ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_042

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

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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
The package was revised to add the original extraction for SW8015B DRO samples 1202006-01, -03, -05, -07, -09, and -11 at the request of the client.

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

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

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

SW8260B:
The following batch spike exceeded criteria:
2A31015-BS1 with a positive bias for Acetone
2B02005-BS1 with a positive bias for Acetone
2B03411-BS1 with a positive bias for Acetone
2B06017-BS1 with a positive bias for Acetone

The following continuing calibration verifications exceeded criteria:
2B03201-CCV1 with a positive bias for Acetone
2B03304-CCV1 with a negative bias for Chloromethane, Hexachlorobutadiene, and 1,2,3-Trichlorobenzene
2B03401-CCV1 with a positive bias for Acetone and a negative bias for 1,2,3-Trichlorobenzene
2B03703-CCV1 with a positive bias for Acetone
2B03804-CCV1 with a positive bias for Acetone and a negative bias for Chloromethane, Hexachlorobutadiene, and 1,2,3-Trichlorobenzene

The following blanks have positive results:
2B01012-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene
2B02005-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene
2B03411-BLK1 for Naphthalene, 1,2,3-Trichlorobenzene, and 1,2,4-Trichlorobenzene
2B06017-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene

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

SW8270C BNA:
The following surrogates exceeded criteria:
2-Fluorobiphenyl with a negative bias in 1202028-01
2-Fluorophenol with a negative bias in 1202028-01 and -09

The following batch spikes exceeded criteria:
2A30004-BS1/BSD1 with a negative bias for Caprolactam, a positive bias for 3,3'-Dichlorobenzidine, and exceeded relative percent difference criteria for 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, Pentachlorophenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol
2B02003-BS1 with a negative bias for Caprolactam and a positive bias for Acenaphthylene, Acetophenone, Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, 1,1'-Biphenyl, 4-Bromophenyl-phenylether, Butylbenzylphthalate, Bis(2-chloroethoxy)methane, 2-Chloronaphthalene, 4-Chlorophenyl phenyl ether, Chrysene, Dibenzofuran, Di-n-butylphthalate, 3,3'-Dichlorobenzidine, Fluorene, and Hexachlorobenzene
2B03405-BS1 with a positive bias for Benzo(a)anthracene, Butylbenzylphthalate, Chrysene, 2,4-Dinitrotoluene, and Hexachlorobenzene and with a negative bias for Caprolactam, Hexachloroethane, and 2-Methylphenol

The following matrix spikes exceeded criteria:
2B02003-MS1/MSD1 (1202006-01) with a negative bias for Caprolactam and a positive bias for Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Butylbenzylphthalate, Chrysene, Dibenz(a,h)anthracene, Di-n-butylphthalate, 3,3'-Dichlorobenzidine, Hexachlorobenzene, and Indeno(1,2,3-cd)pyrene

The following continuing calibration verifications exceeded criteria:
2B03312-CCV1 with a negative bias for Benzaldehyde and with a positive bias for Benzo(b)fluoranthene, Dibenz(a,h)anthracene, 3,3'-Dichlorobenzidine, Di-n-octylphthalate, Bis(2-ethylhexyl)phthalate, Hexachlorocyclopentadiene, Indeno(1,2,3-cd)pyrene, and 2,4,5-Trichlorophenol
2B03501-CCV1 with a negative bias for Benzaldehdye and a positive bias for Benzo(b)fluoranthene, Dibenz(a,h)anthracene, 3,3'-Dichlorobenzidine, Di-n-octylphthalate, Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, 2,4,5-Trichlorophenol, and 2,4,6-Tribromophenol
2B03701-CCV1 with a negative bias for Benzaldehyde and a positive bias for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and Pyrene

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

SW8015B DRO:
Note: Due to a batch spike with a low bias, samples 1202006-01, -03, -05, -07, -09, and -11 were re-extracted within holding time, however, due to lack of sample volume, the samples were only able to be re-extracted at half the normal volume. Detection limits increased accordingly.

The following batch spike exceeded criteria:
2B02002-BS1 with a negative bias for Diesel Range Organics; note – the samples were re-extracted within holding time and both are included at the request of the client

The following matrix spikes exceeded criteria:
2B02002-MS1/MSD1 (1202006-01) with a negative bias for Diesel Range Organics; note – the matrix spikes were re-extracted within holding time and both are included at the request of the client

The following surrogate exceeded the retention time window:

o-Terphenyl in 1202022-05, 2B03806-CCV2, 1202028-01, and 2B03806-CCV3;

note-the retention time shift was determined to be negligible for all affected samples and QC.

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

SW8015B GRO:
No anomalies or deviations are noted.

SW8011:
No anomalies or deviations are noted.

SW6010B:
The following compound is qualified with an M to indicate that the LOD and/or DL were raised due to interference:
Lead in 1202006-07

The following continuing calibration verifications exceeded criteria:
2B04601-CCV7 with a positive bias for Iron
2B04601-CCV8 with a positive bias for Iron
2B05201-CCV1 with a positive bias for Iron

The following matrix spike exceeded criteria:
2B14019-MS1 (1202006-01) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

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

Wet Chemistry:
No anomalies or deviations are noted.

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

Analytical Report Terms and Qualifiers

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

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.2 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.2 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

*****: An exceeding quality control criteria is associated with the reported result.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero.

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound.

H1: The result was analyzed outside of the EPA recommended holding time.

H2: The result was extracted outside of the EPA recommended holding time.

H3: The sample for this analyte was received outside of the EPA recommended holding time.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL.

M: Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.

N: The MS/MSD accuracy and/or precision are outside criteria. The predigested spike recovery is not within control limits for the associated parameter.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is obvious or for HPLC analysis where the primary column is reported.

Q: The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard failed criteria.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the DL.

X: The parameter shows a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.

Y: The parameter shows a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.

Z: The parameter shows lack of confirmation/detection, which may be due to a negative bias in the ICV or CCV which exceeds the lower control limit.

LIMS Definitions / Naming Conventions:

The following are general naming conventions that are used throughout the laboratory; however, on a method by method basis, there are additional QAQC items that are named in a consistent format.

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally.

BS: LIMS assigns a unique identifier to the Blank Spike by naming it as the letters BS appended to the Batch ID. The Blank Spike or Lab Control Sample is a controlled analyte-free matrix, which is spiked with known and verified concentrations of target analytes. Spiking concentrations can be referenced in the method SOP. The BS is used to evaluate the viability of analytes taken through the entire prep (when applicable) and analytical process. Blank Spikes within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally. A duplicate Blank Spike will be designated as a BSD.

MS: The LIMS assigns each Client sample with a unique identifier. The Matrix Spike is designated with a MS at the end of the sample's unique identifier. The Matrix Spike sample is used to assess the effect of the sample matrix on the precision and accuracy of the results generated using the selected method. A duplicate Matrix Spike will be designated as a MSD.

IDs: The LIMS assigns each Client sample with a unique identifier. The letter "RE" may potentially be appended to the end of the LIMS Sample ID. And "**RE"** implies that the sample was either re-prepped, re-analyzed straight, or re-analyzed at a dilution. Subsequent re-analysis for the sample will be appended with a numerical value beginning with 1 that will increase incrementally. Eg: RE1, RE2, RE3, etc.

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, Ms. Marcia K. McGinnity or an approved technical designee is authorized to sign this Statement of Data Authenticity.

Mr. Rick D. Davis
Laboratory Technical Director / VP Operations

ORGANIC CALCULATIONS

GC/MS Volatiles

$$\text{Final Concentration} = \frac{\text{On-column(ug/L or ug/Kg) * Expected Vol/Weight (mL or g) * Dilution}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

Note - Expected Vol/Weight value is found in "Final Vol" column of Preparation Batch Summary.

GC/MS Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/uL) * Final Vol (ml) * Dilution *(1000uL/mL)}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

$$\text{Final Concentration} = \frac{\text{On-column(ng/mL) * Final Vol (mL) * Dilution}}{\text{Initial Vol/Weight (mL or g) * (Percent Solids/100) (if applicable)}}$$

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW165

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

Samples Shipment Date: 27 JAN 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616652

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 Unknown Radiological

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

1. Relinquished By (Signature/Affiliation) Shaw — Date: 1-27-12 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: 1/28/12 Time: 825

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	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	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-GW165

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	250 mL HDPE	1	HNO3<pH 2	Ammonia by SM4500B Dissolved Iron and Manganese by SW846 6010C			N		
02	GW0411	KAFB-106034-WG-GW0411-REG	27 JAN 2012	13:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0465	KAFB-106082-WG-GW0465-REG	26 JAN 2012	15:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0473	KAFB-106089-WG-GW0473-REG	26 JAN 2012	16:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW165

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0474	KAFB-106089-WG-GW0474-FD	26 JAN 2012	16:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0494	KAFB-106103-WG-GW0494-REG	27 JAN 2012	13:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
11	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
12	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0495	KAFB-106104-WG-GW0495-REG	27 JAN 2012	10:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

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1291196

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW165

	Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW8165-TB	FIELDQC-BW-GW8165-TB-TB	27 JAN 2012	08:00	40 mL VOA VIAL	2 HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 01/28/12 @ 0825

WO# 1201196

1. Tracking # 6652 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.9 *Degrees Celsius + correction factor 0.0* = 2.9

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 # 1

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 01/28/12 @ 0825

WO# R01196

1. Tracking # 6663 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 01/28/12 @ 0825

1. Tracking # 6674 (last 4 digits, FedEx) WO# 1201196

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 01/28/12 @ 0825

1. Tracking # 6685 (last 4 digits, FedEx) WO# 1201196

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.0 *Degrees Celsius + correction factor 0.0* = 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) JD

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

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12Ø2006

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW166

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

Samples Shipment Date: 31 JAN 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616696

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: 1-31-12 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: 2/1/12 Time: 0800

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
Ø1 GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
Ø2 GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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12020006

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW166

DLO

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0409	KAFB-106032-WG-GW0409-REG	30 ~~31~~ JAN 2012	16:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
02 GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0409-MS	KAFB-106032-WG-GW0409-MS-MS	30 JAN 2012	16:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
2 GW0409-MSD	KAFB-106032-WG-GW0409-MSD-MSD	30 JAN 2012	16:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03 GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

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12020006

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW166

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
03 GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04 GW0422	KAFB-106027-WG-GW0422-REG	31 JAN 2012	12:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05 GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06 GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0423	KAFB-106044-WG-GW0423-REG	31 JAN 2012	10:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07 GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08 GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0424	KAFB-106045-WG-GW0424-REG	30 JAN 2012	11:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
10 GW0435	KAFB-106053-WG-GW0435-REG	31 JAN 2012	11:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by			N		

Shaw
Shaw E & I, Inc.

12020006

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW166

	Sample No (DLW)	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								SW846 6010C					
09	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0435	KAFB-106058-WG-GW0435-REG	31 JAN 2012	11:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
11	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
12	GW0437	KAFB-106058-WG-GW0437-REG	30 JAN 2012	12:51	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW8041-AB	FIELDQC-BW-GW8041-AB-AB	31 JAN 2012	12:25	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
14	GW8166-TB	FIELDQC-BW-GW8166-TB-TB	30 JAN 2012	8:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/01/12 @ 0820

1. Tracking # 6696 (last 4 digits, FedEx) WO# 1202006

Courier: ___FED-EX

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

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

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

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

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

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

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

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

JD 2-1-12 Accident

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

JD 2-1-12 Found on + later

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) [illegible]

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

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

Additional Details:

* Sample: GW 8166-TB ~~1 set of VOA trip blanks broke~~ [illegible] 2/1/12

1 VOA BROKEN IN SHIPMENT

Cooler Received/Opened On_ 02/01/12 @ 0820

1. Tracking # 6700 (last 4 digits, FedEx) WO# 12070006

Courier: ___FED-EX

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

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

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

If yes, how many and where: 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) BA

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

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

Additional Details:

Cooler Received/Opened On_ 02/01/12 @ 0820

1. Tracking # 6733 (last 4 digits, FedEx) WO# 1202006

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.5 Degrees Celsius + correction factor 0.0 = 3.5

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

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

If yes, how many and where: 2 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 02/01/12 @ 0820

1. Tracking # 6722 (last 4 digits, FedEx) WO# 1202006

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.3 Degrees Celsius + correction factor 0.0 = 2.3

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 02/01/12 @ 0820

1. Tracking #_6711_____(last 4 digits, FedEx) WO# 1202006

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.3 Degrees Celsius + correction factor 0.0 = 4.3

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Shaw
Shaw E & I, Inc.

1202022

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW167

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

Samples Shipment Date: 01 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
~~Project Contact: Pamela Moss~~
Carrier/Waybill No.: Fed Ex/488306616755

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 ✓ Archive (mos.)

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

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

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
02	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

Shaw
Shaw E & I, Inc.

1202022

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW167

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0382	KAFB-106001-WG-GW0382-REG	01 FEB 2012	13:47	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
03	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
04	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0395	KAFB-106016-WG-GW0395-REG	31 JAN 2012	15:15	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
05	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
06	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0435	KAFB-106055-WG-GW0435-REG	31 JAN 2012	15:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
07	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

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1202022

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW167

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
07	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0497	KAFB-106106-WG-GW0497-REG	01 FEB 2012	11:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW8167-TB	FIELDQC-BW-GW8167-TB-TB	01 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

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

WO# 1202022

1. Tracking # 67466 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.1 *Degrees Celsius + correction factor 0.0* = 4.1

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

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

WO# 120 2022

1. Tracking # 6777 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

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

WO# 120202

1. Tracking # 6755 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

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Shaw E & I, Inc.

1202028

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW168

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

Samples Shipment Date: 02 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616788

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

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

Special Instructions:

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

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

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

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

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

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120 20 28

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW168

	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	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0400	KAFB-106021-WG-GW0400-REG	02 FEB 2012	12:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0401	KAFB-106021-WG-GW0401-FD	02 FEB 2012	12:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
06	GW0420	KAFB-106043-WG-GW0420-REG	02 FEB 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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Shaw E & I, Inc.

12012028

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW168

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0421	KAFB-106043-WG-GW0421-FD	02 FEB 2012	11:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
09	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
10	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0496	KAFB-106105-WG-GW0496-REG	01 FEB 2012	15:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW8168-TB	FIELDQC-BW-GW8168-TB-TB	02 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/03/12 @ 0830

WO# 120202

1. Tracking # 6788 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 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) [illegible]

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

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

Additional Details:

NONE PRESERVED FOR "DRO"

Cooler Received/Opened On_ 02/03/12 @ 0830

1. Tracking #_____6803_____(last 4 digits, FedEx) WO# 1202028

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius* + *correction factor* 0.0 = 0.7

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 02/03/12 @ 0830

WO# 1202028

1. Tracking # 6799 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

WORK ORDER

Printed: 2/20/2012 4:05:06PM

1201196

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

Date Due: 02/20/2012 16:00 (15 day TAT)

Received By: Benjamin C. Wright
Date Received: 01/28/2012 08:25

Logged In By: Benjamin C. Wright
Date Logged In: 01/30/2012 09:20

Samples Received at: **2.9°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 2/20/2012 4:05:06PM

1201196

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
1201196-01 GW0411 [Water] Sampled 01/27/2012 13:01 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	02/15/2012 14:00	15	02/03/2012 14:01	
SW6010B	MET_ICP_6010B_FULL	02/15/2012 14:00	15	07/25/2012 14:01	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	02/15/2012 14:00	15	02/10/2012 14:01	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/15/2012 14:00	15	02/03/2012 14:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GR(	VGC_GRO_8015B	02/15/2012 14:00	15	02/10/2012 14:01	
E353.2	WC_NO3NO2_N_353.2	02/15/2012 14:00	15	02/24/2012 14:01	
E300.0	WC_ANIONS_300.0 (Regular)	02/15/2012 14:00	15	02/24/2012 14:01	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/15/2012 14:00	15	02/24/2012 14:01	
SM2320B	WC_ALKALINITY_2320B	02/15/2012 14:00	15	02/10/2012 14:01	carb/bicarb
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/10/2012 14:01	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/15/2012 14:00	15	02/03/2012 14:01	
1201196-02 GW0411 [Water] Sampled 01/27/2012 13:01 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/15/2012 14:00	15	07/25/2012 14:01	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:05:06PM

1201196

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
1201196-03 GW0465 [Water] Sampled 01/26/2012 15:59 Mountain					
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/15/2012 14:00	15	02/23/2012 16:59	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/15/2012 14:00	15	02/02/2012 16:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	02/15/2012 14:00	15	02/23/2012 16:59	
E300.0	WC_ANIONS_300.0 (Regular)	02/15/2012 14:00	15	02/23/2012 16:59	Cl, SO4
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/09/2012 16:59	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	02/15/2012 14:00	15	07/24/2012 16:59	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/15/2012 14:00	15	02/09/2012 16:59	
SW8011	SGC_EDB_8011	02/15/2012 14:00	15	02/09/2012 16:59	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/15/2012 14:00	15	02/02/2012 16:59	
SM2320B	WC_ALKALINITY_2320B	02/15/2012 14:00	15	02/09/2012 16:59	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	02/15/2012 14:00	15	02/02/2012 16:59	
1201196-04 GW0465 [Water] Sampled 01/26/2012 15:59 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/15/2012 14:00	15	07/24/2012 16:59	Fe & Mn

WORK ORDER

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1201196

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
1201196-05 GW0473 [Water] Sampled 01/26/2012 16:25 Mountain					
SW8015B GR(	VGC_GRO_8015B	02/15/2012 14:00	15	02/09/2012 17:25	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/15/2012 14:00	15	02/02/2012 17:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/15/2012 14:00	15	02/02/2012 17:25	
E353.2	WC_NO3NO2_N_353.2	02/15/2012 14:00	15	02/23/2012 17:25	
E300.0	WC_ANIONS_300.0 (Regular)	02/15/2012 14:00	15	02/23/2012 17:25	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/15/2012 14:00	15	02/23/2012 17:25	
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/09/2012 17:25	naphthalene must be reported
SW8011	SGC_EDB_8011	02/15/2012 14:00	15	02/09/2012 17:25	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/15/2012 14:00	15	02/02/2012 17:25	
SW6010B	MET_ICP_6010B_FULL	02/15/2012 14:00	15	07/24/2012 17:25	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	02/15/2012 14:00	15	02/09/2012 17:25	carb/bicarb
1201196-06 GW0473 [Water] Sampled 01/26/2012 16:25 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/15/2012 14:00	15	07/24/2012 17:25	Fe & Mn

WORK ORDER

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1201196

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
1201196-07 GW0474 [Water] Sampled 01/26/2012 16:25 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/15/2012 14:00	15	02/23/2012 17:25	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/15/2012 14:00	15	07/24/2012 17:25	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/15/2012 14:00	15	02/09/2012 17:25	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/15/2012 14:00	15	02/02/2012 17:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/15/2012 14:00	15	02/02/2012 17:25	
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/09/2012 17:25	naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/15/2012 14:00	15	02/23/2012 17:25	
SW8011	SGC_EDB_8011	02/15/2012 14:00	15	02/09/2012 17:25	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	02/15/2012 14:00	15	02/23/2012 17:25	
SM2320B	WC_ALKALINITY_2320B	02/15/2012 14:00	15	02/09/2012 17:25	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	02/15/2012 14:00	15	02/02/2012 17:25	
1201196-08 GW0474 [Water] Sampled 01/26/2012 16:25 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/15/2012 14:00	15	07/24/2012 17:25	Fe & Mn

WORK ORDER

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1201196

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
1201196-09 GW0494 [Water] Sampled 01/27/2012 13:31 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/15/2012 14:00	15	02/03/2012 14:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/15/2012 14:00	15	02/03/2012 14:31	
E353.2	WC_NO3NO2_N_353.2	02/15/2012 14:00	15	02/24/2012 14:31	
E300.0	WC_ANIONS_300.0 (Regular)	02/15/2012 14:00	15	02/24/2012 14:31	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/15/2012 14:00	15	07/25/2012 14:31	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/15/2012 14:00	15	02/03/2012 14:31	
SM2320B	WC_ALKALINITY_2320B	02/15/2012 14:00	15	02/10/2012 14:31	carb/bicarb
SW8015B GR(	VGC_GRO_8015B	02/15/2012 14:00	15	02/10/2012 14:31	
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/10/2012 14:31	naphthalene must be reported
SW8011	SGC_EDB_8011	02/15/2012 14:00	15	02/10/2012 14:31	Run dilutions based on 8260 results!
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/15/2012 14:00	15	02/24/2012 14:31	
1201196-10 GW0494 [Water] Sampled 01/27/2012 13:31 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/15/2012 14:00	15	07/25/2012 14:31	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:05:06PM

1201196

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
1201196-11 GW0495 [Water] Sampled 01/27/2012 10:56 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/15/2012 14:00	15	02/24/2012 11:56	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/15/2012 14:00	15	02/03/2012 11:56	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	02/15/2012 14:00	15	02/10/2012 11:56	carb/bicarb
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/10/2012 11:56	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/15/2012 14:00	15	02/10/2012 11:56	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/15/2012 14:00	15	02/24/2012 11:56	
E353.2	WC_NO3NO2_N_353.2	02/15/2012 14:00	15	02/24/2012 11:56	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/15/2012 14:00	15	02/03/2012 11:56	
SW8015B DR(	SGC_DRO_8015B_3510	02/15/2012 14:00	15	02/03/2012 11:56	
SW6010B	MET_ICP_6010B_FULL	02/15/2012 14:00	15	07/25/2012 11:56	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	02/15/2012 14:00	15	02/10/2012 11:56	Run dilutions based on 8260 results!
1201196-12 GW0495 [Water] Sampled 01/27/2012 10:56 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/15/2012 14:00	15	07/25/2012 11:56	Fe & Mn
1201196-13 GW8165-TB [Water] Sampled 01/27/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/15/2012 14:00	15	02/10/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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

Date Due: 02/22/2012 16:00 (15 day TAT)

Received By: Benjamin C. Wright
Date Received: 02/01/2012 08:20

Logged In By: Benjamin C. Wright
Date Logged In: 02/01/2012 10:11

Samples Received at: **0.3°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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
1202006-01 GW0409 [Water] Sampled 01/30/2012 16:36 Central					**MS/MSD.**
E353.2	WC_NO3NO2_N_353.2	02/17/2012 14:00	15	02/27/2012 16:36	MS/MSD.
SW6010B	MET_ICP_6010B_FULL	02/17/2012 14:00	15	07/28/2012 16:36	MS/MSD.Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	02/17/2012 14:00	15	02/06/2012 16:36	MS/MSD.
E300.0	WC_ANIONS_300.0 (Regular)	02/17/2012 14:00	15	02/27/2012 16:36	MS/MSD.Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/17/2012 14:00	15	02/27/2012 16:36	MS/MSD.
SM2320B	WC_ALKALINITY_2320B	02/17/2012 14:00	15	02/13/2012 16:36	MS/MSD.carb/bicarb
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/13/2012 16:36	MS/MSD.naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/17/2012 14:00	15	02/13/2012 16:36	MS/MSD.
SW8011	SGC_EDB_8011	02/17/2012 14:00	15	02/13/2012 16:36	MS/MSD.Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/17/2012 14:00	15	02/06/2012 16:36	MS/MSD.
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/17/2012 14:00	15	02/06/2012 16:36	MS/MSD.requires 3-Methlphenol/4-Methylphenol/Naphthal
1202006-02 GW0409 [Water] Sampled 01/30/2012 16:36 Central					**MS/MSD.**
SW6010B	MET_ICP_6010B_FULL_DIS	02/17/2012 14:00	15	07/28/2012 16:36	MS/MSD.Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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
1202006-03 GW0422 [Water] Sampled 01/31/2012 12:25 Central					
SW8015B DR(	SGC_DRO_8015B_3510	02/17/2012 14:00	15	02/07/2012 12:25	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/17/2012 14:00	15	02/07/2012 12:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/17/2012 14:00	15	02/07/2012 12:25	
E353.2	WC_NO3NO2_N_353.2	02/17/2012 14:00	15	02/28/2012 12:25	
E300.0	WC_ANIONS_300.0 (Regular)	02/17/2012 14:00	15	02/28/2012 12:25	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/17/2012 14:00	15	02/28/2012 12:25	
SM2320B	WC_ALKALINITY_2320B	02/17/2012 14:00	15	02/14/2012 12:25	carb/bicarb
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/14/2012 12:25	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/17/2012 14:00	15	02/14/2012 12:25	
SW8011	SGC_EDB_8011	02/17/2012 14:00	15	02/14/2012 12:25	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	02/17/2012 14:00	15	07/29/2012 12:25	Ca, Pb, K, Na, Mg
1202006-04 GW0422 [Water] Sampled 01/31/2012 12:25 Central					
SW6010B	MET_ICP_6010B_FULL_DIS	02/17/2012 14:00	15	07/29/2012 12:25	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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
1202006-05 GW0423 [Water] Sampled 01/31/2012 10:25 Central					
SW8015B GR(	VGC_GRO_8015B	02/17/2012 14:00	15	02/14/2012 10:25	
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/14/2012 10:25	naphthalene must be reported
SW8011	SGC_EDB_8011	02/17/2012 14:00	15	02/14/2012 10:25	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/17/2012 14:00	15	02/07/2012 10:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/17/2012 14:00	15	02/28/2012 10:25	
SM2320B	WC_ALKALINITY_2320B	02/17/2012 14:00	15	02/14/2012 10:25	carb/bicarb
SW8015B DR(	SGC_DRO_8015B_3510	02/17/2012 14:00	15	02/07/2012 10:25	
SW6010B	MET_ICP_6010B_FULL	02/17/2012 14:00	15	07/29/2012 10:25	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	02/17/2012 14:00	15	02/07/2012 10:25	
E300.0	WC_ANIONS_300.0 (Regular)	02/17/2012 14:00	15	02/28/2012 10:25	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/17/2012 14:00	15	02/28/2012 10:25	
1202006-06 GW0423 [Water] Sampled 01/31/2012 10:25 Central					
SW6010B	MET_ICP_6010B_FULL_DIS	02/17/2012 14:00	15	07/29/2012 10:25	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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
1202006-07 GW0424 [Water] Sampled 01/30/2012 11:22 Central					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/17/2012 14:00	15	02/06/2012 11:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/13/2012 11:22	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	02/17/2012 14:00	15	02/27/2012 11:22	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/17/2012 14:00	15	02/27/2012 11:22	
SW6010B	MET_ICP_6010B_FULL	02/17/2012 14:00	15	07/28/2012 11:22	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	02/17/2012 14:00	15	02/13/2012 11:22	carb/bicarb
SW8015B DR(	SGC_DRO_8015B_3510	02/17/2012 14:00	15	02/06/2012 11:22	
SW8011	SGC_EDB_8011	02/17/2012 14:00	15	02/13/2012 11:22	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/17/2012 14:00	15	02/13/2012 11:22	
E353.2	WC_NO3NO2_N_353.2	02/17/2012 14:00	15	02/27/2012 11:22	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/17/2012 14:00	15	02/06/2012 11:22	
1202006-08 GW0424 [Water] Sampled 01/30/2012 11:22 Central					
SW6010B	MET_ICP_6010B_FULL_DIS	02/17/2012 14:00	15	07/28/2012 11:22	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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
1202006-09 GW0436 [Water] Sampled 01/31/2012 11:56 Central					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/17/2012 14:00	15	02/07/2012 11:56	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/17/2012 14:00	15	02/07/2012 11:56	
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/14/2012 11:56	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/17/2012 14:00	15	02/14/2012 11:56	
SW8011	SGC_EDB_8011	02/17/2012 14:00	15	02/14/2012 11:56	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/17/2012 14:00	15	02/07/2012 11:56	
SM2320B	WC_ALKALINITY_2320B	02/17/2012 14:00	15	02/14/2012 11:56	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	02/17/2012 14:00	15	07/29/2012 11:56	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/17/2012 14:00	15	02/28/2012 11:56	
E300.0	WC_ANIONS_300.0 (Regular)	02/17/2012 14:00	15	02/28/2012 11:56	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/17/2012 14:00	15	02/28/2012 11:56	
1202006-10 GW0436 [Water] Sampled 01/31/2012 11:56 Central					
SW6010B	MET_ICP_6010B_FULL_DIS	02/17/2012 14:00	15	07/29/2012 11:56	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:06:31PM

1202006

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
1202006-11 GW0437 [Water] Sampled 01/30/2012 12:51 Central					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/17/2012 14:00	15	02/06/2012 12:51	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/17/2012 14:00	15	02/06/2012 12:51	
SW8011	SGC_EDB_8011	02/17/2012 14:00	15	02/13/2012 12:51	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/17/2012 14:00	15	02/13/2012 12:51	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/17/2012 14:00	15	02/06/2012 12:51	
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/13/2012 12:51	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	02/17/2012 14:00	15	02/27/2012 12:51	
SW6010B	MET_ICP_6010B_FULL	02/17/2012 14:00	15	07/28/2012 12:51	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	02/17/2012 14:00	15	02/13/2012 12:51	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/17/2012 14:00	15	02/27/2012 12:51	
E300.0	WC_ANIONS_300.0 (Regular)	02/17/2012 14:00	15	02/27/2012 12:51	Cl, SO4
1202006-12 GW0437 [Water] Sampled 01/30/2012 12:51 Central					
SW6010B	MET_ICP_6010B_FULL_DIS	02/17/2012 14:00	15	07/28/2012 12:51	Fe & Mn
1202006-13 GW8041-AB [Water] Sampled 01/31/2012 12:25 Central					
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/14/2012 12:25	naphthalene must be reported
1202006-14 GW8166-TB [Water] Sampled 01/30/2012 08:00 Central					
SW8260B	VOC_8260B_REG	02/17/2012 14:00	15	02/13/2012 08:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

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1202022

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

Date Due: 02/23/2012 16:00 (15 day TAT)

Received By: Benjamin C. Wright
Date Received: 02/02/2012 08:30

Logged In By: Benjamin C. Wright
Date Logged In: 02/02/2012 15:10

Samples Received at: **0.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 2/20/2012 4:07:49PM

1202022

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
1202022-01 GW0382 [Water] Sampled 02/01/2012 13:47 Mountain					
SW8260B	VOC_8260B_REG	02/20/2012 14:00	15	02/15/2012 14:47	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/20/2012 14:00	15	02/08/2012 14:47	
SW6010B	MET_ICP_6010B_FULL	02/20/2012 14:00	15	07/30/2012 14:47	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/20/2012 14:00	15	02/15/2012 14:47	
SM2320B	WC_ALKALINITY_2320B	02/20/2012 14:00	15	02/15/2012 14:47	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/20/2012 14:00	15	02/29/2012 14:47	
E300.0	WC_ANIONS_300.0 (Regular)	02/20/2012 14:00	15	02/29/2012 14:47	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/20/2012 14:00	15	02/29/2012 14:47	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/20/2012 14:00	15	02/08/2012 14:47	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/20/2012 14:00	15	02/08/2012 14:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	02/20/2012 14:00	15	02/15/2012 14:47	Run dilutions based on 8260 results!
1202022-02 GW0382 [Water] Sampled 02/01/2012 13:47 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/20/2012 14:00	15	07/30/2012 14:47	Fe & Mn

WORK ORDER

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1202022

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
1202022-03 GW0395 [Water] Sampled 01/31/2012 15:15 Mountain					
SW8015B GR(	VGC_GRO_8015B	02/20/2012 14:00	15	02/14/2012 16:15	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/20/2012 14:00	15	02/28/2012 16:15	
SM2320B	WC_ALKALINITY_2320B	02/20/2012 14:00	15	02/14/2012 16:15	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	02/20/2012 14:00	15	02/07/2012 16:15	
SW8260B	VOC_8260B_REG	02/20/2012 14:00	15	02/14/2012 16:15	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/20/2012 14:00	15	02/07/2012 16:15	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	02/20/2012 14:00	15	07/29/2012 16:15	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/20/2012 14:00	15	02/07/2012 16:15	
SW8011	SGC_EDB_8011	02/20/2012 14:00	15	02/14/2012 16:15	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	02/20/2012 14:00	15	02/28/2012 16:15	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/20/2012 14:00	15	02/28/2012 16:15	
1202022-04 GW0395 [Water] Sampled 01/31/2012 15:15 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/20/2012 14:00	15	07/29/2012 16:15	Fe & Mn

WORK ORDER

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1202022

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
1202022-05 GW0435 [Water] Sampled 01/31/2012 15:13 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	02/20/2012 14:00	15	02/07/2012 16:13	
E353.2	WC_NO3NO2_N_353.2	02/20/2012 14:00	15	02/28/2012 16:13	
E300.0	WC_ANIONS_300.0 (Regular)	02/20/2012 14:00	15	02/28/2012 16:13	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/20/2012 14:00	15	02/28/2012 16:13	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/20/2012 14:00	15	02/07/2012 16:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	02/20/2012 14:00	15	02/14/2012 16:13	carb/bicarb
SW8260B	VOC_8260B_REG	02/20/2012 14:00	15	02/14/2012 16:13	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/20/2012 14:00	15	02/07/2012 16:13	
SW8011	SGC_EDB_8011	02/20/2012 14:00	15	02/14/2012 16:13	Run dilutions based on 8260 results!; OLR, RR
SW8015B GR(	VGC_GRO_8015B	02/20/2012 14:00	15	02/14/2012 16:13	
SW6010B	MET_ICP_6010B_FULL	02/20/2012 14:00	15	07/29/2012 16:13	Ca, Pb, K, Na, Mg
1202022-06 GW0435 [Water] Sampled 01/31/2012 15:13 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/20/2012 14:00	15	07/29/2012 16:13	Fe & Mn

WORK ORDER

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1202022

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
1202022-07 GW0497 [Water] Sampled 02/01/2012 11:05 Mountain					
SW6010B	MET_ICP_6010B_FULL	02/20/2012 14:00	15	07/30/2012 12:05	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/20/2012 14:00	15	02/08/2012 12:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/20/2012 14:00	15	02/08/2012 12:05	
SW8011	SGC_EDB_8011	02/20/2012 14:00	15	02/15/2012 12:05	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/20/2012 14:00	15	02/15/2012 12:05	
SW8260B	VOC_8260B_REG	02/20/2012 14:00	15	02/15/2012 12:05	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/20/2012 14:00	15	02/15/2012 12:05	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/20/2012 14:00	15	02/29/2012 12:05	
E300.0	WC_ANIONS_300.0 (Regular)	02/20/2012 14:00	15	02/29/2012 12:05	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	02/20/2012 14:00	15	02/08/2012 12:05	
E353.2	WC_NO3NO2_N_353.2	02/20/2012 14:00	15	02/29/2012 12:05	
1202022-08 GW0497 [Water] Sampled 02/01/2012 11:05 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/20/2012 14:00	15	07/30/2012 12:05	Fe & Mn
1202022-09 GW8167-TB [Water] Sampled 02/01/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/20/2012 14:00	15	02/15/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER **Printed: 2/20/2012 4:09:33PM**

1202028

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

Date Due: 02/24/2012 16:00 (15 day TAT)

Received By: Benjamin C. Wright
Date Received: 02/03/2012 08:30

Logged In By: Benjamin C. Wright
Date Logged In: 02/03/2012 10:30

Samples Received at: **2.8°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 2/20/2012 4:09:33PM

1202028

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
1202028-01 GW0400 [Water] Sampled 02/02/2012 12:27 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/21/2012 14:00	15	02/09/2012 13:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/21/2012 14:00	15	02/09/2012 13:27	
SW8011	SGC_EDB_8011	02/21/2012 14:00	15	02/16/2012 13:27	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/21/2012 14:00	15	02/16/2012 13:27	
SW8260B	VOC_8260B_REG	02/21/2012 14:00	15	02/16/2012 13:27	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/21/2012 14:00	15	02/16/2012 13:27	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/21/2012 14:00	15	03/01/2012 13:27	
E300.0	WC_ANIONS_300.0 (Regular)	02/21/2012 14:00	15	03/01/2012 13:27	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/21/2012 14:00	15	07/31/2012 13:27	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	02/21/2012 14:00	15	02/09/2012 13:27	
E353.2	WC_NO3NO2_N_353.2	02/21/2012 14:00	15	03/01/2012 13:27	
1202028-02 GW0400 [Water] Sampled 02/02/2012 12:27 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/21/2012 14:00	15	07/31/2012 13:27	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:09:33PM

1202028

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
1202028-03 GW0401 [Water] Sampled 02/02/2012 12:27 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/21/2012 14:00	15	02/09/2012 13:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/21/2012 14:00	15	02/16/2012 13:27	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/21/2012 14:00	15	02/16/2012 13:27	
SW6010B	MET_ICP_6010B_FULL	02/21/2012 14:00	15	07/31/2012 13:27	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/21/2012 14:00	15	02/09/2012 13:27	
SM2320B	WC_ALKALINITY_2320B	02/21/2012 14:00	15	02/16/2012 13:27	carb/bicarb
SW8011	SGC_EDB_8011	02/21/2012 14:00	15	02/16/2012 13:27	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	02/21/2012 14:00	15	03/01/2012 13:27	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/21/2012 14:00	15	03/01/2012 13:27	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/21/2012 14:00	15	03/01/2012 13:27	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/21/2012 14:00	15	02/09/2012 13:27	
1202028-04 GW0401 [Water] Sampled 02/02/2012 12:27 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/21/2012 14:00	15	07/31/2012 13:27	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:09:33PM

1202028

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
1202028-05 GW0420 [Water] Sampled 02/02/2012 11:55 Mountain					
SW8011	SGC_EDB_8011	02/21/2012 14:00	15	02/16/2012 12:55	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/21/2012 14:00	15	02/09/2012 12:55	
E300.0	WC_ANIONS_300.0 (Regular)	02/21/2012 14:00	15	03/01/2012 12:55	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	02/21/2012 14:00	15	02/09/2012 12:55	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/21/2012 14:00	15	02/09/2012 12:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	02/21/2012 14:00	15	07/31/2012 12:55	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/21/2012 14:00	15	02/16/2012 12:55	
SW8260B	VOC_8260B_REG	02/21/2012 14:00	15	02/16/2012 12:55	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/21/2012 14:00	15	02/16/2012 12:55	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/21/2012 14:00	15	03/01/2012 12:55	
E353.2	WC_NO3NO2_N_353.2	02/21/2012 14:00	15	03/01/2012 12:55	
1202028-06 GW0420 [Water] Sampled 02/02/2012 11:55 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/21/2012 14:00	15	07/31/2012 12:55	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:09:33PM

1202028

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
1202028-07 GW0421 [Water] Sampled 02/02/2012 11:55 Mountain					
SW8260B	VOC_8260B_REG	02/21/2012 14:00	15	02/16/2012 12:55	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/21/2012 14:00	15	02/09/2012 12:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/21/2012 14:00	15	02/09/2012 12:55	
SW8015B GR(	VGC_GRO_8015B	02/21/2012 14:00	15	02/16/2012 12:55	
E353.2	WC_NO3NO2_N_353.2	02/21/2012 14:00	15	03/01/2012 12:55	
E300.0	WC_ANIONS_300.0 (Regular)	02/21/2012 14:00	15	03/01/2012 12:55	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	02/21/2012 14:00	15	02/16/2012 12:55	carb/bicarb
SW8011	SGC_EDB_8011	02/21/2012 14:00	15	02/16/2012 12:55	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/21/2012 14:00	15	02/09/2012 12:55	
SW6010B	MET_ICP_6010B_FULL	02/21/2012 14:00	15	07/31/2012 12:55	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/21/2012 14:00	15	03/01/2012 12:55	
1202028-08 GW0421 [Water] Sampled 02/02/2012 11:55 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/21/2012 14:00	15	07/31/2012 12:55	Fe & Mn

WORK ORDER

Printed: 2/20/2012 4:09:33PM

1202028

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
1202028-09 GW0496 [Water] Sampled 02/01/2012 15:25 Mountain					
SW6010B	MET_ICP_6010B_FULL	02/21/2012 14:00	15	07/30/2012 16:25	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/21/2012 14:00	15	02/29/2012 16:25	
SW8015B DR(	SGC_DRO_8015B_3510	02/21/2012 14:00	15	02/08/2012 16:25	
SW8011	SGC_EDB_8011	02/21/2012 14:00	15	02/15/2012 16:25	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/21/2012 14:00	15	02/15/2012 16:25	
SM2320B	WC_ALKALINITY_2320B	02/21/2012 14:00	15	02/15/2012 16:25	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	02/21/2012 14:00	15	02/29/2012 16:25	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/21/2012 14:00	15	02/29/2012 16:25	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/21/2012 14:00	15	02/08/2012 16:25	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/21/2012 14:00	15	02/08/2012 16:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/21/2012 14:00	15	02/15/2012 16:25	naphthalene must be reported
1202028-10 GW0496 [Water] Sampled 02/01/2012 15:25 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/21/2012 14:00	15	07/30/2012 16:25	Fe & Mn
1202028-11 GW8168-TB [Water] Sampled 02/02/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/21/2012 14:00	15	02/16/2012 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_042
MATRIX: Water

QC LEVEL: Level IV
Report Due: 2/24/2012
Client Sample Count: 42

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	1/27/2012	1/28/2012	1201196-01	GW0411	X	X	X	X	X	X
Client Sample	1/27/2012	1/28/2012	1201196-02	GW0411						X
Client Sample	1/26/2012	1/28/2012	1201196-03	GW0465	X	X	X	X	X	X
Client Sample	1/26/2012	1/28/2012	1201196-04	GW0465						X
Client Sample	1/26/2012	1/28/2012	1201196-05	GW0473	X	X	X	X	X	X
Client Sample	1/26/2012	1/28/2012	1201196-06	GW0473						X
Client Sample	1/26/2012	1/28/2012	1201196-07	GW0474	X	X	X	X	X	X
Client Sample	1/26/2012	1/28/2012	1201196-08	GW0474						X
Client Sample	1/27/2012	1/28/2012	1201196-09	GW0494	X	X	X	X	X	X
Client Sample	1/27/2012	1/28/2012	1201196-10	GW0494						X
Client Sample	1/27/2012	1/28/2012	1201196-11	GW0495	X	X	X	X	X	X
Client Sample	1/27/2012	1/28/2012	1201196-12	GW0495						X
Trip Blank	1/27/2012	1/28/2012	1201196-13	GW8165-TB						
Client Sample	1/30/2012	2/1/2012	1202006-01	GW0409	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	1/30/2012	2/1/2012	1202006-02	GW0409						MS/MSD.
Client Sample	1/31/2012	2/1/2012	1202006-03	GW0422	X	X	X	X	X	X
Client Sample	1/31/2012	2/1/2012	1202006-04	GW0422						X
Client Sample	1/31/2012	2/1/2012	1202006-05	GW0423	X	X	X	X	X	X
Client Sample	1/31/2012	2/1/2012	1202006-06	GW0423						X
Client Sample	1/30/2012	2/1/2012	1202006-07	GW0424	X	X	X	X	X	X
Client Sample	1/30/2012	2/1/2012	1202006-08	GW0424						X
Client Sample	1/31/2012	2/1/2012	1202006-09	GW0436	X	X	X	X	X	X
Client Sample	1/31/2012	2/1/2012	1202006-10	GW0436						X
Client Sample	1/30/2012	2/1/2012	1202006-11	GW0437	X	X	X	X	X	X
Client Sample	1/30/2012	2/1/2012	1202006-12	GW0437						X
Trip Blank	1/31/2012	2/1/2012	1202006-13	GW8041-AB						
Trip Blank	1/30/2012	2/1/2012	1202006-14	GW8166-TB						
Client Sample	2/1/2012	2/2/2012	1202022-01	GW0382	X	X	X	X	X	X
Client Sample	2/1/2012	2/2/2012	1202022-02	GW0382						X
Client Sample	1/31/2012	2/2/2012	1202022-03	GW0395	X	X	X	X	X	X
Client Sample	1/31/2012	2/2/2012	1202022-04	GW0395						X
Client Sample	1/31/2012	2/2/2012	1202022-05	GW0435	X	X	X	X	X	X
Client Sample	1/31/2012	2/2/2012	1202022-06	GW0435						X
Client Sample	2/1/2012	2/2/2012	1202022-07	GW0497	X	X	X	X	X	X
Client Sample	2/1/2012	2/2/2012	1202022-08	GW0497						X
Trip Blank	2/1/2012	2/2/2012	1202022-09	GW8167-TB						
Client Sample	2/2/2012	2/3/2012	1202028-01	GW0400	X	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-02	GW0400						X
Client Sample	2/2/2012	2/3/2012	1202028-03	GW0401	X	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-04	GW0401						X
Client Sample	2/2/2012	2/3/2012	1202028-05	GW0420	X	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-06	GW0420						X
Client Sample	2/2/2012	2/3/2012	1202028-07	GW0421	X	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-08	GW0421						X
Client Sample	2/1/2012	2/3/2012	1202028-09	GW0496	X	X	X	X	X	X
Client Sample	2/1/2012	2/3/2012	1202028-10	GW0496						X
Trip Blank	2/2/2012	2/3/2012	1202028-11	GW8168-TB						

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	1/27/2012	1/28/2012	1201196-01	GW0411	X	X	X	X	X
Client Sample	1/27/2012	1/28/2012	1201196-02	GW0411					
Client Sample	1/26/2012	1/28/2012	1201196-03	GW0465	X	X	X	X	X
Client Sample	1/26/2012	1/28/2012	1201196-04	GW0465					
Client Sample	1/26/2012	1/28/2012	1201196-05	GW0473	X	X	X	X	X
Client Sample	1/26/2012	1/28/2012	1201196-06	GW0473					
Client Sample	1/26/2012	1/28/2012	1201196-07	GW0474	X	X	X	X	X
Client Sample	1/26/2012	1/28/2012	1201196-08	GW0474					
Client Sample	1/27/2012	1/28/2012	1201196-09	GW0494	X	X	X	X	X
Client Sample	1/27/2012	1/28/2012	1201196-10	GW0494					
Client Sample	1/27/2012	1/28/2012	1201196-11	GW0495	X	X	X	X	X
Client Sample	1/27/2012	1/28/2012	1201196-12	GW0495					
Trip Blank	1/27/2012	1/28/2012	1201196-13	GW8165-TB				X	
Client Sample	1/30/2012	2/1/2012	1202006-01	GW0409	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	1/30/2012	2/1/2012	1202006-02	GW0409					
Client Sample	1/31/2012	2/1/2012	1202006-03	GW0422	X	X	X	X	X
Client Sample	1/31/2012	2/1/2012	1202006-04	GW0422					
Client Sample	1/31/2012	2/1/2012	1202006-05	GW0423	X	X	X	X	X
Client Sample	1/31/2012	2/1/2012	1202006-06	GW0423					
Client Sample	1/30/2012	2/1/2012	1202006-07	GW0424	X	X	X	X	X
Client Sample	1/30/2012	2/1/2012	1202006-08	GW0424					
Client Sample	1/31/2012	2/1/2012	1202006-09	GW0436	X	X	X	X	X
Client Sample	1/31/2012	2/1/2012	1202006-10	GW0436					
Client Sample	1/30/2012	2/1/2012	1202006-11	GW0437	X	X	X	X	X
Client Sample	1/30/2012	2/1/2012	1202006-12	GW0437					
Trip Blank	1/31/2012	2/1/2012	1202006-13	GW8041-AB				X	
Trip Blank	1/30/2012	2/1/2012	1202006-14	GW8166-TB				X	
Client Sample	2/1/2012	2/2/2012	1202022-01	GW0382	X	X	X	X	X
Client Sample	2/1/2012	2/2/2012	1202022-02	GW0382					
Client Sample	1/31/2012	2/2/2012	1202022-03	GW0395	X	X	X	X	X
Client Sample	1/31/2012	2/2/2012	1202022-04	GW0395					
Client Sample	1/31/2012	2/2/2012	1202022-05	GW0435	X	X	X	X	X
Client Sample	1/31/2012	2/2/2012	1202022-06	GW0435					
Client Sample	2/1/2012	2/2/2012	1202022-07	GW0497	X	X	X	X	X
Client Sample	2/1/2012	2/2/2012	1202022-08	GW0497					
Trip Blank	2/1/2012	2/2/2012	1202022-09	GW8167-TB				X	
Client Sample	2/2/2012	2/3/2012	1202028-01	GW0400	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-02	GW0400					
Client Sample	2/2/2012	2/3/2012	1202028-03	GW0401	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-04	GW0401					
Client Sample	2/2/2012	2/3/2012	1202028-05	GW0420	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-06	GW0420					
Client Sample	2/2/2012	2/3/2012	1202028-07	GW0421	X	X	X	X	X
Client Sample	2/2/2012	2/3/2012	1202028-08	GW0421					
Client Sample	2/1/2012	2/3/2012	1202028-09	GW0496	X	X	X	X	X
Client Sample	2/1/2012	2/3/2012	1202028-10	GW0496					
Trip Blank	2/2/2012	2/3/2012	1202028-11	GW8168-TB				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	0119601.D
Sampled:	01/27/12 13:01	Prepared:	02/01/12 00:00	Analyzed:	02/01/12 11:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	6.35	2.50	5.00	10.0	J
71-43-2	Benzene	0.275	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.696	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	0119601.D
Sampled:	01/27/12 13:01	Prepared:	02/01/12 00:00	Analyzed:	02/01/12 11:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.254	0.250	0.500	1.00	J, B
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	4.47	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	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	0.276	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	0.643	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	3.97	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.03	107	75 - 120	
Dibromofluoromethane	30.00	31.62	105	85 - 115	
1,2-Dichloroethane-d4	30.00	32.12	107	70 - 120	
Toluene-d8	30.00	31.31	104	85 - 120	

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	0119603D.D
Sampled:	01/26/12 15:59	Prepared:	02/02/12 00:00	Analyzed:	02/02/12 17:03
Solids:		Preparation:	5030B	Dilution:	2.5

Batch: 2B02005 Sequence: 2B03401 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	25.7	6.25	12.5	25.0	Q, X, D
71-43-2	Benzene	2.50	0.625	1.25	2.50	D
108-86-1	Bromobenzene		0.625	1.25	2.50	U
74-97-5	Bromochloromethane		0.625	1.25	2.50	U
75-27-4	Bromodichloromethane		0.625	1.25	2.50	U
75-25-2	Bromoform		0.625	1.25	2.50	U
74-83-9	Bromomethane		1.25	2.50	5.00	U
104-51-8	n-Butylbenzene		0.625	1.25	2.50	U
78-93-3	2-Butanone		6.25	12.5	25.0	U
135-98-8	sec-Butylbenzene	0.884	0.625	1.25	2.50	J, D
98-06-6	tert-Butylbenzene		0.625	1.25	2.50	U
75-15-0	Carbon disulfide	2.49	0.625	1.25	2.50	J, D
56-23-5	Carbon tetrachloride		0.625	1.25	2.50	U
108-90-7	Chlorobenzene		0.625	1.25	2.50	U
75-00-3	Chloroethane		1.25	2.50	5.00	U
67-66-3	Chloroform		0.625	1.25	2.50	U
74-87-3	Chloromethane		0.625	1.25	2.50	U
95-49-8	2-Chlorotoluene		0.625	1.25	2.50	U
106-43-4	4-Chlorotoluene		0.625	1.25	2.50	U
124-48-1	Dibromochloromethane		0.625	1.25	2.50	U
96-12-8	1,2-Dibromo-3-chloropropane		1.25	2.50	5.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.625	1.25	2.50	U
74-95-3	Dibromomethane		0.625	1.25	2.50	U
95-50-1	1,2-Dichlorobenzene		0.625	1.25	2.50	U
541-73-1	1,3-Dichlorobenzene		0.625	1.25	2.50	U
106-46-7	1,4-Dichlorobenzene		0.625	1.25	2.50	U
75-71-8	Dichlorodifluoromethane		1.25	2.50	5.00	U
75-34-3	1,1-Dichloroethane		0.625	1.25	2.50	U
107-06-2	1,2-Dichloroethane	2.41	0.625	1.25	2.50	J, D
75-35-4	1,1-Dichloroethene		0.625	1.25	2.50	U
156-59-2	cis-1,2-Dichloroethene		0.625	1.25	2.50	U
156-60-5	trans-1,2-Dichloroethene		0.625	1.25	2.50	U
78-87-5	1,2-Dichloropropane		0.625	1.25	2.50	U
142-28-9	1,3-Dichloropropane		0.625	1.25	2.50	U
594-20-7	2,2-Dichloropropane		0.625	1.25	2.50	U
563-58-6	1,1-Dichloropropene		0.625	1.25	2.50	U
10061-01-5	cis-1,3-Dichloropropene		0.625	1.25	2.50	U
10061-02-6	trans-1,3-Dichloropropene		0.625	1.25	2.50	U
100-41-4	Ethylbenzene	3.03	0.625	1.25	2.50	D
87-68-3	Hexachlorobutadiene		0.625	1.25	2.50	U

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	0119603D.D
Sampled:	01/26/12 15:59	Prepared:	02/02/12 00:00	Analyzed:	02/02/12 17:03
Solids:		Preparation:	5030B	Dilution:	2.5

Batch: 2B02005 Sequence: 2B03401 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		3.12	6.25	12.5	U
98-82-8	Isopropylbenzene	9.85	0.625	1.25	2.50	D
99-87-6	p-Isopropyltoluene	1.72	0.625	1.25	2.50	J, D
75-09-2	Methylene chloride		1.25	2.50	5.00	U
91-20-3	Naphthalene		0.625	1.25	2.50	U
108-10-1	4-Methyl-2-pentanone		3.12	6.25	12.5	U
1634-04-4	Methyl t-Butyl Ether		0.625	1.25	2.50	U
103-65-1	n-Propylbenzene	2.33	0.625	1.25	2.50	J, D
100-42-5	Styrene		0.625	1.25	2.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.625	1.25	2.50	U
630-20-6	1,1,1,2-Tetrachloroethane		0.625	1.25	2.50	U
127-18-4	Tetrachloroethene		0.625	1.25	2.50	U
108-88-3	Toluene		0.625	1.25	2.50	U
87-61-6	1,2,3-Trichlorobenzene		0.625	1.25	2.50	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.625	1.25	2.50	U
79-00-5	1,1,2-Trichloroethane		0.625	1.25	2.50	U
71-55-6	1,1,1-Trichloroethane		0.625	1.25	2.50	U
79-01-6	Trichloroethene		0.625	1.25	2.50	U
75-69-4	Trichlorofluoromethane		1.25	2.50	5.00	U
96-18-4	1,2,3-Trichloropropane		1.25	2.50	5.00	U
108-67-8	1,3,5-Trimethylbenzene	10.5	0.625	1.25	2.50	D
95-63-6	1,2,4-Trimethylbenzene	36.0	0.625	1.25	2.50	D
75-01-4	Vinyl chloride		0.625	1.25	2.50	U
1330-20-7	Xylenes (total)	108	1.88	3.75	7.50	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.65	102	75 - 120	
Dibromofluoromethane	30.00	32.77	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.87	103	70 - 120	
Toluene-d8	30.00	31.50	105	85 - 120	

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	0119605.D
Sampled:	01/26/12 16:25	Prepared:	02/01/12 00:00	Analyzed:	02/01/12 14:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	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)	0.466	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	0119605.D
Sampled:	01/26/12 16:25	Prepared:	02/01/12 00:00	Analyzed:	02/01/12 14:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.26	101	75 - 120	
Dibromofluoromethane	30.00	32.56	109	85 - 115	
1,2-Dichloroethane-d4	30.00	33.77	113	70 - 120	
Toluene-d8	30.00	31.13	104	85 - 120	

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	0119607.D
Sampled:	01/26/12 16:25	Prepared:	01/31/12 00:00	Analyzed:	01/31/12 18:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, X, 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)	0.456	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	0119607.D
Sampled:	01/26/12 16:25	Prepared:	01/31/12 00:00	Analyzed:	01/31/12 18:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.58	102	75 - 120	
Dibromofluoromethane	30.00	32.10	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.77	106	70 - 120	
Toluene-d8	30.00	30.49	102	85 - 120	

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	0119609.D
Sampled:	01/27/12 13:31	Prepared:	01/31/12 00:00	Analyzed:	01/31/12 19:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	0119609.D
Sampled:	01/27/12 13:31	Prepared:	01/31/12 00:00	Analyzed:	01/31/12 19:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.96	99.9	75 - 120	
Dibromofluoromethane	30.00	31.75	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.46	105	70 - 120	
Toluene-d8	30.00	30.43	101	85 - 120	

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	0119611.D
Sampled:	01/27/12 10:56	Prepared:	02/01/12 00:00	Analyzed:	02/01/12 14:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	0119611.D
Sampled:	01/27/12 10:56	Prepared:	02/01/12 00:00	Analyzed:	02/01/12 14:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.70	102	75 - 120	
Dibromofluoromethane	30.00	32.60	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.18	107	70 - 120	
Toluene-d8	30.00	30.92	103	85 - 120	

ANALYSIS DATA SHEET

GW8165-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-13	File ID:	0119613.D
Sampled:	01/27/12 08:00	Prepared:	01/31/12 00:00	Analyzed:	01/31/12 17:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8165-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-13	File ID:	0119613.D
Sampled:	01/27/12 08:00	Prepared:	01/31/12 00:00	Analyzed:	01/31/12 17:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.33	101	75 - 120	
Dibromofluoromethane	30.00	31.84	106	85 - 115	
1,2-Dichloroethane-d4	30.00	32.42	108	70 - 120	
Toluene-d8	30.00	30.92	103	85 - 120	

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	0200601.D
Sampled:	01/30/12 16:36	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 12:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, X, U
71-43-2	Benzene	0.267	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	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	0.937	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	0200601.D
Sampled:	01/30/12 16:36	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 12:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.300	0.250	0.500	1.00	J, B
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	4.24	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.357	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	0.908	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	4.93	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.10	104	75 - 120	
Dibromofluoromethane	30.00	32.85	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.73	109	70 - 120	
Toluene-d8	30.00	30.94	103	85 - 120	

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	0200603.D
Sampled:	01/31/12 12:25	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 12:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	0200603.D
Sampled:	01/31/12 12:25	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 12:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.00	103	75 - 120	
Dibromofluoromethane	30.00	32.93	110	85 - 115	
1,2-Dichloroethane-d4	30.00	33.84	113	70 - 120	
Toluene-d8	30.00	31.32	104	85 - 120	

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	0200605.D
Sampled:	01/31/12 10:25	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 13:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	0200605.D
Sampled:	01/31/12 10:25	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 13:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.46	102	75 - 120	
Dibromofluoromethane	30.00	32.06	107	85 - 115	
1,2-Dichloroethane-d4	30.00	33.63	112	70 - 120	
Toluene-d8	30.00	29.83	99.4	85 - 120	

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	0200607.D
Sampled:	01/30/12 11:22	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 13:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	0200607.D
Sampled:	01/30/12 11:22	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 13:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.58	105	75 - 120	
Dibromofluoromethane	30.00	32.20	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.87	110	70 - 120	
Toluene-d8	30.00	31.49	105	85 - 120	

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	0200609.D
Sampled:	01/31/12 11:56	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 14:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Q, X, 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	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.402	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	0200609.D
Sampled:	01/31/12 11:56	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 14:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.394	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.99	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.371	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	0.404	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.11	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.94	103	75 - 120	
Dibromofluoromethane	30.00	32.76	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.92	110	70 - 120	
Toluene-d8	30.00	29.90	99.7	85 - 120	

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	0200611.D
Sampled:	01/30/12 12:51	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 14:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene	0.290	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	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)	0.591	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.902	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	0200611.D
Sampled:	01/30/12 12:51	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 14:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	5.09	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.346	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	0.842	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	5.15	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.87	99.6	75 - 120	
Dibromofluoromethane	30.00	33.73	112	85 - 115	
1,2-Dichloroethane-d4	30.00	34.13	114	70 - 120	
Toluene-d8	30.00	29.45	98.2	85 - 120	

ANALYSIS DATA SHEET

GW8041-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-13	File ID:	0200613.D
Sampled:	01/31/12 12:25	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 10:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8041-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-13	File ID:	0200613.D
Sampled:	01/31/12 12:25	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 10:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.18	101	75 - 120	
Dibromofluoromethane	30.00	30.85	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.52	105	70 - 120	
Toluene-d8	30.00	29.58	98.6	85 - 120	

ANALYSIS DATA SHEET

GW8166-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-14	File ID:	0200614.D
Sampled:	01/30/12 08:00	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 11:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8166-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-14	File ID:	0200614.D
Sampled:	01/30/12 08:00	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 11:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.57	102	75 - 120	
Dibromofluoromethane	30.00	32.36	108	85 - 115	
1,2-Dichloroethane-d4	30.00	32.75	109	70 - 120	
Toluene-d8	30.00	30.26	101	85 - 120	

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	0202201.D
Sampled:	02/01/12 13:47	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 15:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene	28.3	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		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)	0.997	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.610	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	0202201.D
Sampled:	02/01/12 13:47	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 15:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	8.02	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	4.13	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.11	104	75 - 120	
Dibromofluoromethane	30.00	32.48	108	85 - 115	
1,2-Dichloroethane-d4	30.00	32.02	107	70 - 120	
Toluene-d8	30.00	30.62	102	85 - 120	

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	0202203.D
Sampled:	01/31/12 15:15	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 15:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	0202203.D
Sampled:	01/31/12 15:15	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 15:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.03	103	75 - 120	
Dibromofluoromethane	30.00	32.68	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.89	106	70 - 120	
Toluene-d8	30.00	30.79	103	85 - 120	

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05	File ID:	0202205.D
Sampled:	01/31/12 15:13	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 16:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene	0.498	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)	2.33	0.250	0.500	1.00	
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.323	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05	File ID:	0202205.D
Sampled:	01/31/12 15:13	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 16:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.282	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.51	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	0.352	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.06	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.87	103	75 - 120	
Dibromofluoromethane	30.00	32.90	110	85 - 115	
1,2-Dichloroethane-d4	30.00	33.85	113	70 - 120	
Toluene-d8	30.00	31.02	103	85 - 120	

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	0202207.D
Sampled:	02/01/12 11:05	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 16:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.568	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	0202207.D
Sampled:	02/01/12 11:05	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 16:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	2.95	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	0.420	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	3.13	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.20	104	75 - 120	
Dibromofluoromethane	30.00	31.93	106	85 - 115	
1,2-Dichloroethane-d4	30.00	32.32	108	70 - 120	
Toluene-d8	30.00	30.88	103	85 - 120	

ANALYSIS DATA SHEET

GW8167-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-09	File ID:	0202209.D
Sampled:	02/01/12 08:00	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 11:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8167-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-09	File ID:	0202209.D
Sampled:	02/01/12 08:00	Prepared:	02/03/12 00:00	Analyzed:	02/03/12 11:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.18	107	75 - 120	
Dibromofluoromethane	30.00	32.01	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.99	110	70 - 120	
Toluene-d8	30.00	31.42	105	85 - 120	

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	0202801.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 10:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene	0.880	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	0.258	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.351	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	0202801.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 10:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	2.37	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.39	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	1.54	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.06	104	75 - 120	
Dibromofluoromethane	30.00	32.12	107	85 - 115	
1,2-Dichloroethane-d4	30.00	33.19	111	70 - 120	
Toluene-d8	30.00	30.10	100	85 - 120	

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	0202803.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 11:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene	1.03	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.262	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.336	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	0202803.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 11:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	2.40	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.40	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	1.44	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.20	104	75 - 120	
Dibromofluoromethane	30.00	32.67	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.89	110	70 - 120	
Toluene-d8	30.00	31.43	105	85 - 120	

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	0202805.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 11:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, 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	0.334	0.250	0.500	1.00	J
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	0202805.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 11:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	32.32	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.87	103	70 - 120	
Toluene-d8	30.00	30.28	101	85 - 120	

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	0202807.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 11:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, 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	0.326	0.250	0.500	1.00	J
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	0202807.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 11:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.96	103	75 - 120	
Dibromofluoromethane	30.00	31.34	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.87	106	70 - 120	
Toluene-d8	30.00	30.62	102	85 - 120	

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	0202809.D
Sampled:	02/01/12 15:25	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 12:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	X, Q, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.388	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	0202809.D
Sampled:	02/01/12 15:25	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 12:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	2.27	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	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	0.293	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.10	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.20	104	75 - 120	
Dibromofluoromethane	30.00	31.56	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.72	106	70 - 120	
Toluene-d8	30.00	32.31	108	85 - 120	

ANALYSIS DATA SHEET

GW8168-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-11	File ID:	0202811.D
Sampled:	02/02/12 08:00	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 09:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8168-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-11	File ID:	0202811.D
Sampled:	02/02/12 08:00	Prepared:	02/06/12 00:00	Analyzed:	02/06/12 09:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.70	99.0	75 - 120	
Dibromofluoromethane	30.00	32.50	108	85 - 115	
1,2-Dichloroethane-d4	30.00	32.67	109	70 - 120	
Toluene-d8	30.00	31.70	106	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03201	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03201-CCV1) ug/L				Lab File ID: 0131CCV1.D		Analyzed: 01/31/12 11:15		
Bromofluorobenzene	30.00	108	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	80 - 120	6.938	6.938	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.429	7.429	0.0000	+/-1.000	
Toluene-d8	30.00	109	80 - 120	9.633	9.633	0.0000	+/-1.000	
LCS (2A31015-BS1) ug/L				Lab File ID: 0131LCS1.D		Analyzed: 01/31/12 11:53		
Bromofluorobenzene	30.00	107	75 - 120	12.253	12.25	0.0030	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.931	6.938	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.423	7.429	-0.0060	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.636	9.633	0.0030	+/-1.000	
Blank (2A31015-BLK1) ug/L				Lab File ID: 0131BLK1.D		Analyzed: 01/31/12 15:24		
Bromofluorobenzene	30.00	102	75 - 120	12.252	12.25	0.0020	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.938	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.431	7.429	0.0020	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.635	9.633	0.0020	+/-1.000	
GW8165-TB (1201196-13) ug/L				Lab File ID: 0119613.D		Analyzed: 01/31/12 17:17		
Bromofluorobenzene	30.00	101	75 - 120	12.248	12.25	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.936	6.938	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.427	7.429	-0.0020	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.631	9.633	-0.0020	+/-1.000	
GW0474 (1201196-07) ug/L				Lab File ID: 0119607.D		Analyzed: 01/31/12 18:42		
Bromofluorobenzene	30.00	102	75 - 120	12.255	12.25	0.0050	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.933	6.938	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.425	7.429	-0.0040	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.639	9.633	0.0060	+/-1.000	
GW0494 (1201196-09) ug/L				Lab File ID: 0119609.D		Analyzed: 01/31/12 19:10		
Bromofluorobenzene	30.00	99.9	75 - 120	12.252	12.25	0.0020	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.93	6.938	-0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.431	7.429	0.0020	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.635	9.633	0.0020	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03304	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03304-CCV1) ug/L				Lab File ID: 0201CCV1.D		Analyzed: 02/01/12 08:10		
Bromofluorobenzene	30.00	115	80 - 120	12.253	12.253	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	80 - 120	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	80 - 120	7.432	7.432	0.0000	+/-1.000	
Toluene-d8	30.00	111	80 - 120	9.636	9.636	0.0000	+/-1.000	
LCS (2B01012-BS1) ug/L				Lab File ID: 0201LCS1.D		Analyzed: 02/01/12 08:39		
Bromofluorobenzene	30.00	110	75 - 120	12.248	12.253	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.935	6.94	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.427	7.432	-0.0050	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.631	9.636	-0.0050	+/-1.000	
Blank (2B01012-BLK1) ug/L				Lab File ID: 0201BLK1.D		Analyzed: 02/01/12 10:03		
Bromofluorobenzene	30.00	104	75 - 120	12.253	12.253	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.931	6.94	-0.0090	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.433	7.432	0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.636	9.636	0.0000	+/-1.000	
GW0411 (1201196-01) ug/L				Lab File ID: 0119601.D		Analyzed: 02/01/12 11:28		
Bromofluorobenzene	30.00	107	75 - 120	12.248	12.253	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.936	6.94	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.428	7.432	-0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.641	9.636	0.0050	+/-1.000	
GW0473 (1201196-05) ug/L				Lab File ID: 0119605.D		Analyzed: 02/01/12 14:09		
Bromofluorobenzene	30.00	101	75 - 120	12.257	12.253	0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.935	6.94	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	113	70 - 120	7.437	7.432	0.0050	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.636	0.0040	+/-1.000	
GW0495 (1201196-11) ug/L				Lab File ID: 0119611.D		Analyzed: 02/01/12 14:37		
Bromofluorobenzene	30.00	102	75 - 120	12.252	12.253	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.939	6.94	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.431	7.432	-0.0010	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.635	9.636	-0.0010	+/-1.000	
LCS Dup (2B01012-BSD1) ug/L				Lab File ID: 0201LCD1.D		Analyzed: 02/01/12 19:20		
Bromofluorobenzene	30.00	105	75 - 120	12.255	12.253	0.0020	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.933	6.94	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.425	7.432	-0.0070	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.639	9.636	0.0030	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03401	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03401-CCV1) ug/L				Lab File ID: 0202CCV1.D		Analyzed: 02/02/12 07:38		
Bromofluorobenzene	30.00	108	80 - 120	12.243	12.243	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	80 - 120	7.422	7.422	0.0000	+/-1.000	
Toluene-d8	30.00	105	80 - 120	9.626	9.626	0.0000	+/-1.000	
LCS (2B02005-BS1) ug/L				Lab File ID: 0202LCS1.D		Analyzed: 02/02/12 08:07		
Bromofluorobenzene	30.00	107	75 - 120	12.241	12.243	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.919	6.93	-0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.421	7.422	-0.0010	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.625	9.626	-0.0010	+/-1.000	
Blank (2B02005-BLK1) ug/L				Lab File ID: 0202BLK1.D		Analyzed: 02/02/12 09:31		
Bromofluorobenzene	30.00	101	75 - 120	12.243	12.243	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.921	6.93	-0.0090	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.413	7.422	-0.0090	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.627	9.626	0.0010	+/-1.000	
GW0465 (1201196-03) ug/L				Lab File ID: 0119603D.D		Analyzed: 02/02/12 17:03		
Bromofluorobenzene	30.00	102	75 - 120	12.242	12.243	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.421	7.422	-0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.625	9.626	-0.0010	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03703	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03703-CCV1) ug/L				Lab File ID: 0203CCV1.D		Analyzed: 02/03/12 07:18		
Bromofluorobenzene	30.00	110	80 - 120	12.247	12.247	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.925	6.925	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.417	7.417	0.0000	+/-1.000	
Toluene-d8	30.00	104	80 - 120	9.63	9.63	0.0000	+/-1.000	
LCS (2B03411-BS1) ug/L				Lab File ID: 0203LCS1.D		Analyzed: 02/03/12 08:15		
Bromofluorobenzene	30.00	104	75 - 120	12.245	12.247	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.923	6.925	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.415	7.417	-0.0020	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.628	9.63	-0.0020	+/-1.000	
Blank (2B03411-BLK1) ug/L				Lab File ID: 0203BLK1.D		Analyzed: 02/03/12 10:08		
Bromofluorobenzene	30.00	103	75 - 120	12.246	12.247	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.924	6.925	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.416	7.417	-0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.629	9.63	-0.0010	+/-1.000	
GW8041-AB (1202006-13) ug/L				Lab File ID: 0200613.D		Analyzed: 02/03/12 10:36		
Bromofluorobenzene	30.00	101	75 - 120	12.246	12.247	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.924	6.925	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.416	7.417	-0.0010	+/-1.000	
Toluene-d8	30.00	98.6	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW8166-TB (1202006-14) ug/L				Lab File ID: 0200614.D		Analyzed: 02/03/12 11:04		
Bromofluorobenzene	30.00	102	75 - 120	12.238	12.247	-0.0090	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.926	6.925	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.418	7.417	0.0010	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.621	9.63	-0.0090	+/-1.000	
GW8167-TB (1202022-09) ug/L				Lab File ID: 0202209.D		Analyzed: 02/03/12 11:32		
Bromofluorobenzene	30.00	107	75 - 120	12.247	12.247	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.925	6.925	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.417	7.417	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0409 (1202006-01) ug/L				Lab File ID: 0200601.D		Analyzed: 02/03/12 12:29		
Bromofluorobenzene	30.00	104	75 - 120	12.249	12.247	0.0020	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.926	6.925	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.418	7.417	0.0010	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.632	9.63	0.0020	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03703	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0422 (1202006-03) ug/L				Lab File ID: 0200603.D		Analyzed: 02/03/12 12:57		
Bromofluorobenzene	30.00	103	75 - 120	12.246	12.247	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.924	6.925	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	113	70 - 120	7.416	7.417	-0.0010	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.629	9.63	-0.0010	+/-1.000	
GW0423 (1202006-05) ug/L				Lab File ID: 0200605.D		Analyzed: 02/03/12 13:25		
Bromofluorobenzene	30.00	102	75 - 120	12.245	12.247	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.923	6.925	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	112	70 - 120	7.415	7.417	-0.0020	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.629	9.63	-0.0010	+/-1.000	
GW0424 (1202006-07) ug/L				Lab File ID: 0200607.D		Analyzed: 02/03/12 13:53		
Bromofluorobenzene	30.00	105	75 - 120	12.243	12.247	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.93	6.925	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.422	7.417	0.0050	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.626	9.63	-0.0040	+/-1.000	
GW0436 (1202006-09) ug/L				Lab File ID: 0200609.D		Analyzed: 02/03/12 14:21		
Bromofluorobenzene	30.00	103	75 - 120	12.247	12.247	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.925	6.925	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.417	7.417	0.0000	+/-1.000	
Toluene-d8	30.00	99.7	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0437 (1202006-11) ug/L				Lab File ID: 0200611.D		Analyzed: 02/03/12 14:50		
Bromofluorobenzene	30.00	99.6	75 - 120	12.249	12.247	0.0020	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.927	6.925	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	114	70 - 120	7.419	7.417	0.0020	+/-1.000	
Toluene-d8	30.00	98.2	85 - 120	9.632	9.63	0.0020	+/-1.000	
GW0382 (1202022-01) ug/L				Lab File ID: 0202201.D		Analyzed: 02/03/12 15:18		
Bromofluorobenzene	30.00	104	75 - 120	12.248	12.247	0.0010	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.926	6.925	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.418	7.417	0.0010	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.631	9.63	0.0010	+/-1.000	
GW0395 (1202022-03) ug/L				Lab File ID: 0202203.D		Analyzed: 02/03/12 15:46		
Bromofluorobenzene	30.00	103	75 - 120	12.243	12.247	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.931	6.925	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.422	7.417	0.0050	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.626	9.63	-0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03703	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0435 (1202022-05) ug/L				Lab File ID: 0202205.D		Analyzed: 02/03/12 16:14		
Bromofluorobenzene	30.00	103	75 - 120	12.246	12.247	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.924	6.925	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	113	70 - 120	7.426	7.417	0.0090	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.629	9.63	-0.0010	+/-1.000	
GW0497 (1202022-07) ug/L				Lab File ID: 0202207.D		Analyzed: 02/03/12 16:43		
Bromofluorobenzene	30.00	104	75 - 120	12.247	12.247	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.925	6.925	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.427	7.417	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.63	9.63	0.0000	+/-1.000	
Matrix Spike (2B03411-MS1) ug/L				Lab File ID: 0200601M.D		Analyzed: 02/03/12 17:39		
Bromofluorobenzene	30.00	107	75 - 120	12.248	12.247	0.0010	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.926	6.925	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.418	7.417	0.0010	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.631	9.63	0.0010	+/-1.000	
Matrix Spike Dup (2B03411-MSD1) ug/L				Lab File ID: 0200601S.D		Analyzed: 02/03/12 18:07		
Bromofluorobenzene	30.00	109	75 - 120	12.242	12.247	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.929	6.925	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.421	7.417	0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.625	9.63	-0.0050	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03804	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03804-CCV1) ug/L				Lab File ID: 0206CCV1.D		Analyzed: 02/06/12 07:13		
Bromofluorobenzene	30.00	111	80 - 120	12.248	12.248	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	80 - 120	6.935	6.935	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	80 - 120	7.427	7.427	0.0000	+/-1.000	
Toluene-d8	30.00	110	80 - 120	9.631	9.631	0.0000	+/-1.000	
LCS (2B06017-BS1) ug/L				Lab File ID: 0206LCS1.D		Analyzed: 02/06/12 07:41		
Bromofluorobenzene	30.00	108	75 - 120	12.252	12.248	0.0040	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.935	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.422	7.427	-0.0050	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.635	9.631	0.0040	+/-1.000	
Blank (2B06017-BLK1) ug/L				Lab File ID: 0206BLK1.D		Analyzed: 02/06/12 09:06		
Bromofluorobenzene	30.00	101	75 - 120	12.242	12.248	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.935	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.422	7.427	-0.0050	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.626	9.631	-0.0050	+/-1.000	
GW8168-TB (1202028-11) ug/L				Lab File ID: 0202811.D		Analyzed: 02/06/12 09:35		
Bromofluorobenzene	30.00	99.0	75 - 120	12.246	12.248	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.924	6.935	-0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.416	7.427	-0.0110	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.629	9.631	-0.0020	+/-1.000	
GW0400 (1202028-01) ug/L				Lab File ID: 0202801.D		Analyzed: 02/06/12 10:31		
Bromofluorobenzene	30.00	104	75 - 120	12.249	12.248	0.0010	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.927	6.935	-0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.418	7.427	-0.0090	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.632	9.631	0.0010	+/-1.000	
GW0401 (1202028-03) ug/L				Lab File ID: 0202803.D		Analyzed: 02/06/12 11:00		
Bromofluorobenzene	30.00	104	75 - 120	12.244	12.248	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.931	6.935	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.423	7.427	-0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.627	9.631	-0.0040	+/-1.000	
GW0420 (1202028-05) ug/L				Lab File ID: 0202805.D		Analyzed: 02/06/12 11:28		
Bromofluorobenzene	30.00	102	75 - 120	12.242	12.248	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.93	6.935	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.422	7.427	-0.0050	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.625	9.631	-0.0060	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03804	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0421 (1202028-07) ug/L				Lab File ID: 0202807.D		Analyzed: 02/06/12 11:56		
Bromofluorobenzene	30.00	103	75 - 120	12.243	12.248	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.931	6.935	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.422	7.427	-0.0050	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.626	9.631	-0.0050	+/-1.000	
GW0496 (1202028-09) ug/L				Lab File ID: 0202809.D		Analyzed: 02/06/12 12:24		
Bromofluorobenzene	30.00	104	75 - 120	12.247	12.248	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.925	6.935	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.427	7.427	0.0000	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.63	9.631	-0.0010	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A31015	Laboratory ID:	2A31015-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**	**163**	**163**	**40 - 140**
Benzene	50.00	52.9	106	80 - 120
Bromobenzene	50.00	53.8	108	75 - 125
Bromochloromethane	50.00	54.7	109	65 - 130
Bromodichloromethane	50.00	50.0	100	75 - 120
Bromoform	50.00	56.4	113	70 - 130
Bromomethane	50.00	47.6	95.1	30 - 145
n-Butylbenzene	50.00	51.5	103	70 - 135
2-Butanone	100.0	106	106	30 - 150
sec-Butylbenzene	50.00	51.1	102	70 - 125
tert-Butylbenzene	50.00	50.6	101	70 - 130
Carbon disulfide	50.00	44.5	88.9	35 - 160
Carbon tetrachloride	50.00	53.2	106	65 - 140
Chlorobenzene	50.00	52.6	105	80 - 120
Chloroethane	50.00	57.9	116	60 - 135
Chloroform	50.00	48.2	96.5	65 - 135
Chloromethane	50.00	39.1	78.3	40 - 125
2-Chlorotoluene	50.00	50.2	100	75 - 125
4-Chlorotoluene	50.00	50.0	100	75 - 130
Dibromochloromethane	50.00	52.5	105	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.3	103	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.8	104	80 - 120
Dibromomethane	50.00	51.0	102	75 - 125
1,2-Dichlorobenzene	50.00	52.3	105	70 - 120
1,3-Dichlorobenzene	50.00	50.9	102	75 - 125
1,4-Dichlorobenzene	50.00	51.7	103	75 - 125
Dichlorodifluoromethane	50.00	48.7	97.3	30 - 155
1,1-Dichloroethane	50.00	51.1	102	70 - 135
1,2-Dichloroethane	50.00	47.4	94.7	70 - 130
1,1-Dichloroethene	50.00	49.6	99.1	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A31015	Laboratory ID:	2A31015-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	52.5	105	70 - 125
trans-1,2-Dichloroethene	50.00	55.2	110	60 - 140
1,2-Dichloropropane	50.00	51.0	102	75 - 125
1,3-Dichloropropane	50.00	51.3	103	75 - 125
2,2-Dichloropropane	50.00	50.0	100	70 - 135
1,1-Dichloropropene	50.00	51.3	103	75 - 130
cis-1,3-Dichloropropene	50.00	53.5	107	70 - 130
trans-1,3-Dichloropropene	50.00	44.3	88.6	55 - 140
Ethylbenzene	50.00	53.3	107	75 - 125
Hexachlorobutadiene	50.00	45.3	90.7	50 - 140
2-Hexanone	100.0	103	103	55 - 130
Isopropylbenzene	50.00	49.4	98.8	75 - 125
p-Isopropyltoluene	50.00	48.6	97.2	75 - 130
Methylene chloride	50.00	50.5	101	55 - 140
Naphthalene	50.00	52.4	105	55 - 140
4-Methyl-2-pentanone	100.0	91.6	91.6	60 - 135
Methyl t-Butyl Ether	50.00	48.6	97.2	65 - 125
n-Propylbenzene	50.00	51.6	103	70 - 130
Styrene	50.00	53.8	108	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.7	99.5	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.0	110	80 - 130
Tetrachloroethene	50.00	54.5	109	45 - 150
Toluene	50.00	52.0	104	75 - 120
1,2,3-Trichlorobenzene	50.00	47.2	94.3	55 - 140
1,2,4-Trichlorobenzene	50.00	49.9	99.8	65 - 135
1,1,2-Trichloroethane	50.00	53.2	106	75 - 125
1,1,1-Trichloroethane	50.00	50.1	100	65 - 130
Trichloroethene	50.00	53.2	106	70 - 125
Trichlorofluoromethane	50.00	51.9	104	60 - 145
1,2,3-Trichloropropane	50.00	49.4	98.8	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A31015	Laboratory ID:	2A31015-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	52.2	104	75 - 130
1,2,4-Trimethylbenzene	50.00	51.3	103	75 - 130
Vinyl chloride	50.00	62.4	125	50 - 145
Xylenes (total)	150.0	155	103	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B01012	Laboratory ID:	2B01012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	96.5	96.5	40 - 140
Benzene	50.00	52.1	104	80 - 120
Bromobenzene	50.00	50.5	101	75 - 125
Bromochloromethane	50.00	51.8	104	65 - 130
Bromodichloromethane	50.00	47.2	94.4	75 - 120
Bromoform	50.00	57.2	114	70 - 130
Bromomethane	50.00	42.7	85.4	30 - 145
n-Butylbenzene	50.00	49.0	97.9	70 - 135
2-Butanone	100.0	84.9	84.9	30 - 150
sec-Butylbenzene	50.00	49.2	98.4	70 - 125
tert-Butylbenzene	50.00	46.9	93.8	70 - 130
Carbon disulfide	50.00	54.2	108	35 - 160
Carbon tetrachloride	50.00	52.6	105	65 - 140
Chlorobenzene	50.00	50.9	102	80 - 120
Chloroethane	50.00	54.3	109	60 - 135
Chloroform	50.00	45.7	91.4	65 - 135
Chloromethane	50.00	35.2	70.3	40 - 125
2-Chlorotoluene	50.00	49.4	98.8	75 - 125
4-Chlorotoluene	50.00	48.0	96.0	75 - 130
Dibromochloromethane	50.00	51.4	103	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.7	101	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.5	101	80 - 120
Dibromomethane	50.00	50.6	101	75 - 125
1,2-Dichlorobenzene	50.00	50.4	101	70 - 120
1,3-Dichlorobenzene	50.00	47.8	95.7	75 - 125
1,4-Dichlorobenzene	50.00	50.4	101	75 - 125
Dichlorodifluoromethane	50.00	43.4	86.8	30 - 155
1,1-Dichloroethane	50.00	48.8	97.6	70 - 135
1,2-Dichloroethane	50.00	46.0	92.0	70 - 130
1,1-Dichloroethene	50.00	48.2	96.5	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B01012	Laboratory ID:	2B01012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.7	99.5	70 - 125
trans-1,2-Dichloroethene	50.00	52.0	104	60 - 140
1,2-Dichloropropane	50.00	49.2	98.4	75 - 125
1,3-Dichloropropane	50.00	51.7	103	75 - 125
2,2-Dichloropropane	50.00	48.4	96.8	70 - 135
1,1-Dichloropropene	50.00	51.1	102	75 - 130
cis-1,3-Dichloropropene	50.00	51.5	103	70 - 130
trans-1,3-Dichloropropene	50.00	43.8	87.7	55 - 140
Ethylbenzene	50.00	52.4	105	75 - 125
Hexachlorobutadiene	50.00	44.1	88.2	50 - 140
2-Hexanone	100.0	91.2	91.2	55 - 130
Isopropylbenzene	50.00	48.0	96.0	75 - 125
p-Isopropyltoluene	50.00	45.9	91.7	75 - 130
Methylene chloride	50.00	48.5	97.0	55 - 140
Naphthalene	50.00	48.2	96.4	55 - 140
4-Methyl-2-pentanone	100.0	90.7	90.7	60 - 135
Methyl t-Butyl Ether	50.00	47.7	95.5	65 - 125
n-Propylbenzene	50.00	49.4	98.8	70 - 130
Styrene	50.00	50.9	102	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.5	99.0	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.8	108	80 - 130
Tetrachloroethene	50.00	54.1	108	45 - 150
Toluene	50.00	51.5	103	75 - 120
1,2,3-Trichlorobenzene	50.00	45.4	90.8	55 - 140
1,2,4-Trichlorobenzene	50.00	49.8	99.6	65 - 135
1,1,2-Trichloroethane	50.00	51.7	103	75 - 125
1,1,1-Trichloroethane	50.00	49.4	98.9	65 - 130
Trichloroethene	50.00	52.2	104	70 - 125
Trichlorofluoromethane	50.00	52.2	104	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B01012	Laboratory ID:	2B01012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	51.2	102	75 - 130
1,2,4-Trimethylbenzene	50.00	48.8	97.6	75 - 130
Vinyl chloride	50.00	57.4	115	50 - 145
Xylenes (total)	150.0	150	99.9	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	117	117	19.2	30	40 - 140
Benzene	50.00	52.1	104	0.00940	30	80 - 120
Bromobenzene	50.00	52.8	106	4.42	30	75 - 125
Bromochloromethane	50.00	54.4	109	4.86	30	65 - 130
Bromodichloromethane	50.00	48.9	97.8	3.51	30	75 - 120
Bromoform	50.00	56.5	113	1.30	30	70 - 130
Bromomethane	50.00	41.8	83.5	2.21	30	30 - 145
n-Butylbenzene	50.00	49.1	98.3	0.357	30	70 - 135
2-Butanone	100.0	91.4	91.4	7.32	30	30 - 150
sec-Butylbenzene	50.00	49.6	99.2	0.743	30	70 - 125
tert-Butylbenzene	50.00	50.5	101	7.40	30	70 - 130
Carbon disulfide	50.00	54.8	110	1.26	30	35 - 160
Carbon tetrachloride	50.00	53.5	107	1.78	30	65 - 140
Chlorobenzene	50.00	52.2	104	2.59	30	80 - 120
Chloroethane	50.00	58.0	116	6.57	30	60 - 135
Chloroform	50.00	48.3	96.6	5.48	30	65 - 135
Chloromethane	50.00	41.8	83.6	17.2	30	40 - 125
2-Chlorotoluene	50.00	48.9	97.8	1.04	30	75 - 125
4-Chlorotoluene	50.00	48.1	96.2	0.262	30	75 - 130
Dibromochloromethane	50.00	51.2	102	0.471	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	52.3	105	3.11	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.4	101	0.152	30	80 - 120
Dibromomethane	50.00	50.9	102	0.588	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B01012	Laboratory ID:	2B01012-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	51.1	102	1.46	30	70 - 120
1,3-Dichlorobenzene	50.00	50.1	100	4.70	30	75 - 125
1,4-Dichlorobenzene	50.00	50.9	102	0.992	30	75 - 125
Dichlorodifluoromethane	50.00	45.5	91.0	4.78	30	30 - 155
1,1-Dichloroethane	50.00	51.4	103	5.19	30	70 - 135
1,2-Dichloroethane	50.00	48.1	96.2	4.47	30	70 - 130
1,1-Dichloroethene	50.00	47.8	95.7	0.861	30	70 - 130
cis-1,2-Dichloroethene	50.00	51.9	104	4.33	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.5	107	2.75	30	60 - 140
1,2-Dichloropropane	50.00	50.9	102	3.29	30	75 - 125
1,3-Dichloropropane	50.00	52.0	104	0.624	30	75 - 125
2,2-Dichloropropane	50.00	44.5	89.1	8.32	30	70 - 135
1,1-Dichloropropene	50.00	52.3	105	2.44	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.7	105	2.23	30	70 - 130
trans-1,3-Dichloropropene	50.00	42.6	85.1	2.95	30	55 - 140
Ethylbenzene	50.00	50.0	100	4.60	30	75 - 125
Hexachlorobutadiene	50.00	37.0	74.0	17.5	30	50 - 140
2-Hexanone	100.0	95.5	95.5	4.69	30	55 - 130
Isopropylbenzene	50.00	47.3	94.6	1.41	30	75 - 125
p-Isopropyltoluene	50.00	46.5	93.1	1.49	30	75 - 130
Methylene chloride	50.00	50.1	100	3.21	30	55 - 140
Naphthalene	50.00	43.4	86.9	10.4	30	55 - 140
4-Methyl-2-pentanone	100.0	97.3	97.3	6.99	30	60 - 135
Methyl t-Butyl Ether	50.00	48.1	96.2	0.774	30	65 - 125
n-Propylbenzene	50.00	49.8	99.5	0.800	30	70 - 130
Styrene	50.00	50.1	100	1.59	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.1	104	5.06	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.3	107	1.01	30	80 - 130
Tetrachloroethene	50.00	53.7	107	0.639	30	45 - 150
Toluene	50.00	51.3	103	0.289	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B01012	Laboratory ID:	2B01012-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	38.1	76.2	17.4	30	55 - 140
1,2,4-Trichlorobenzene	50.00	44.4	88.8	11.4	30	65 - 135
1,1,2-Trichloroethane	50.00	52.6	105	1.73	30	75 - 125
1,1,1-Trichloroethane	50.00	50.6	101	2.34	30	65 - 130
Trichloroethene	50.00	53.6	107	2.58	30	70 - 125
Trichlorofluoromethane	50.00	52.7	105	0.975	30	60 - 145
1,2,3-Trichloropropane	50.00	52.5	105	2.05	30	75 - 125
1,3,5-Trimethylbenzene	50.00	51.2	102	0.0418	30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.2	102	4.78	30	75 - 130
Vinyl chloride	50.00	60.7	121	5.66	30	50 - 145
Xylenes (total)	150.0	147	98.2	1.67	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02005	Laboratory ID:	2B02005-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**	**157**	**157**	**40 - 140**
Benzene	50.00	50.2	100	80 - 120
Bromobenzene	50.00	51.0	102	75 - 125
Bromochloromethane	50.00	52.3	105	65 - 130
Bromodichloromethane	50.00	48.8	97.7	75 - 120
Bromoform	50.00	57.1	114	70 - 130
Bromomethane	50.00	46.1	92.1	30 - 145
n-Butylbenzene	50.00	49.3	98.5	70 - 135
2-Butanone	100.0	101	101	30 - 150
sec-Butylbenzene	50.00	47.9	95.9	70 - 125
tert-Butylbenzene	50.00	47.0	94.0	70 - 130
Carbon disulfide	50.00	54.0	108	35 - 160
Carbon tetrachloride	50.00	52.5	105	65 - 140
Chlorobenzene	50.00	50.5	101	80 - 120
Chloroethane	50.00	48.4	96.8	60 - 135
Chloroform	50.00	46.8	93.6	65 - 135
Chloromethane	50.00	39.8	79.5	40 - 125
2-Chlorotoluene	50.00	46.3	92.7	75 - 125
4-Chlorotoluene	50.00	48.1	96.2	75 - 130
Dibromochloromethane	50.00	51.7	103	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.9	97.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.8	91.7	80 - 120
Dibromomethane	50.00	50.6	101	75 - 125
1,2-Dichlorobenzene	50.00	49.8	99.6	70 - 120
1,3-Dichlorobenzene	50.00	49.4	98.7	75 - 125
1,4-Dichlorobenzene	50.00	49.6	99.2	75 - 125
Dichlorodifluoromethane	50.00	45.1	90.2	30 - 155
1,1-Dichloroethane	50.00	49.1	98.3	70 - 135
1,2-Dichloroethane	50.00	46.3	92.7	70 - 130
1,1-Dichloroethene	50.00	48.6	97.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02005	Laboratory ID:	2B02005-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.4	98.8	70 - 125
trans-1,2-Dichloroethene	50.00	51.0	102	60 - 140
1,2-Dichloropropane	50.00	49.4	98.7	75 - 125
1,3-Dichloropropane	50.00	49.9	99.8	75 - 125
2,2-Dichloropropane	50.00	49.5	99.1	70 - 135
1,1-Dichloropropene	50.00	50.8	102	75 - 130
cis-1,3-Dichloropropene	50.00	52.3	105	70 - 130
trans-1,3-Dichloropropene	50.00	43.0	86.1	55 - 140
Ethylbenzene	50.00	50.5	101	75 - 125
Hexachlorobutadiene	50.00	44.7	89.4	50 - 140
2-Hexanone	100.0	103	103	55 - 130
Isopropylbenzene	50.00	49.4	98.8	75 - 125
p-Isopropyltoluene	50.00	46.6	93.2	75 - 130
Methylene chloride	50.00	48.9	97.8	55 - 140
Naphthalene	50.00	47.4	94.7	55 - 140
4-Methyl-2-pentanone	100.0	96.2	96.2	60 - 135
Methyl t-Butyl Ether	50.00	46.9	93.8	65 - 125
n-Propylbenzene	50.00	48.1	96.2	70 - 130
Styrene	50.00	51.4	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.3	98.6	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.7	107	80 - 130
Tetrachloroethene	50.00	53.7	107	45 - 150
Toluene	50.00	49.8	99.6	75 - 120
1,2,3-Trichlorobenzene	50.00	45.0	89.9	55 - 140
1,2,4-Trichlorobenzene	50.00	48.8	97.5	65 - 135
1,1,2-Trichloroethane	50.00	51.0	102	75 - 125
1,1,1-Trichloroethane	50.00	49.5	99.0	65 - 130
Trichloroethene	50.00	52.1	104	70 - 125
Trichlorofluoromethane	50.00	52.5	105	60 - 145
1,2,3-Trichloropropane	50.00	51.2	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02005	Laboratory ID:	2B02005-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	49.5	99.0	75 - 130
1,2,4-Trimethylbenzene	50.00	48.9	97.7	75 - 130
Vinyl chloride	50.00	59.5	119	50 - 145
Xylenes (total)	150.0	149	99.6	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03411	Laboratory ID:	2B03411-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**	**179**	**179**	**40 - 140**
Benzene	50.00	50.9	102	80 - 120
Bromobenzene	50.00	50.2	100	75 - 125
Bromochloromethane	50.00	52.7	105	65 - 130
Bromodichloromethane	50.00	48.7	97.4	75 - 120
Bromoform	50.00	55.6	111	70 - 130
Bromomethane	50.00	48.5	97.0	30 - 145
n-Butylbenzene	50.00	49.1	98.2	70 - 135
2-Butanone	100.0	112	112	30 - 150
sec-Butylbenzene	50.00	50.0	100	70 - 125
tert-Butylbenzene	50.00	47.5	95.0	70 - 130
Carbon disulfide	50.00	43.8	87.7	35 - 160
Carbon tetrachloride	50.00	53.3	107	65 - 140
Chlorobenzene	50.00	49.1	98.2	80 - 120
Chloroethane	50.00	56.4	113	60 - 135
Chloroform	50.00	46.8	93.6	65 - 135
Chloromethane	50.00	39.5	79.0	40 - 125
2-Chlorotoluene	50.00	46.3	92.5	75 - 125
4-Chlorotoluene	50.00	46.6	93.2	75 - 130
Dibromochloromethane	50.00	51.2	102	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.4	101	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.9	102	80 - 120
Dibromomethane	50.00	50.8	102	75 - 125
1,2-Dichlorobenzene	50.00	49.5	99.0	70 - 120
1,3-Dichlorobenzene	50.00	50.1	100	75 - 125
1,4-Dichlorobenzene	50.00	50.1	100	75 - 125
Dichlorodifluoromethane	50.00	47.6	95.1	30 - 155
1,1-Dichloroethane	50.00	49.4	98.9	70 - 135
1,2-Dichloroethane	50.00	45.4	90.8	70 - 130
1,1-Dichloroethene	50.00	48.9	97.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03411	Laboratory ID:	2B03411-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	51.9	104	70 - 125
trans-1,2-Dichloroethene	50.00	50.9	102	60 - 140
1,2-Dichloropropane	50.00	49.0	98.0	75 - 125
1,3-Dichloropropane	50.00	48.3	96.6	75 - 125
2,2-Dichloropropane	50.00	48.8	97.6	70 - 135
1,1-Dichloropropene	50.00	49.1	98.2	75 - 130
cis-1,3-Dichloropropene	50.00	51.7	103	70 - 130
trans-1,3-Dichloropropene	50.00	42.4	84.8	55 - 140
Ethylbenzene	50.00	49.3	98.5	75 - 125
Hexachlorobutadiene	50.00	50.0	100	50 - 140
2-Hexanone	100.0	110	110	55 - 130
Isopropylbenzene	50.00	45.3	90.6	75 - 125
p-Isopropyltoluene	50.00	47.0	94.0	75 - 130
Methylene chloride	50.00	48.7	97.5	55 - 140
Naphthalene	50.00	47.9	95.9	55 - 140
4-Methyl-2-pentanone	100.0	98.6	98.6	60 - 135
Methyl t-Butyl Ether	50.00	47.4	94.7	65 - 125
n-Propylbenzene	50.00	49.0	98.0	70 - 130
Styrene	50.00	49.1	98.3	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.4	94.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.2	104	80 - 130
Tetrachloroethene	50.00	51.0	102	45 - 150
Toluene	50.00	48.7	97.4	75 - 120
1,2,3-Trichlorobenzene	50.00	47.8	95.5	55 - 140
1,2,4-Trichlorobenzene	50.00	49.7	99.4	65 - 135
1,1,2-Trichloroethane	50.00	50.6	101	75 - 125
1,1,1-Trichloroethane	50.00	50.6	101	65 - 130
Trichloroethene	50.00	53.1	106	70 - 125
Trichlorofluoromethane	50.00	51.7	103	60 - 145
1,2,3-Trichloropropane	50.00	48.8	97.5	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03411	Laboratory ID:	2B03411-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	48.9	97.7	75 - 130
1,2,4-Trimethylbenzene	50.00	47.9	95.9	75 - 130
Vinyl chloride	50.00	58.8	118	50 - 145
Xylenes (total)	150.0	143	95.3	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06017	Laboratory ID:	2B06017-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**	**164**	**164**	**40 - 140**
Benzene	50.00	49.8	99.6	80 - 120
Bromobenzene	50.00	51.4	103	75 - 125
Bromochloromethane	50.00	51.7	103	65 - 130
Bromodichloromethane	50.00	47.1	94.3	75 - 120
Bromoform	50.00	55.8	112	70 - 130
Bromomethane	50.00	51.7	103	30 - 145
n-Butylbenzene	50.00	50.1	100	70 - 135
2-Butanone	100.0	103	103	30 - 150
sec-Butylbenzene	50.00	50.8	102	70 - 125
tert-Butylbenzene	50.00	48.8	97.6	70 - 130
Carbon disulfide	50.00	42.2	84.4	35 - 160
Carbon tetrachloride	50.00	52.5	105	65 - 140
Chlorobenzene	50.00	50.3	101	80 - 120
Chloroethane	50.00	56.3	113	60 - 135
Chloroform	50.00	45.2	90.5	65 - 135
Chloromethane	50.00	45.4	90.8	40 - 125
2-Chlorotoluene	50.00	48.9	97.8	75 - 125
4-Chlorotoluene	50.00	48.1	96.1	75 - 130
Dibromochloromethane	50.00	51.0	102	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.4	96.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.5	97.0	80 - 120
Dibromomethane	50.00	49.0	98.0	75 - 125
1,2-Dichlorobenzene	50.00	49.6	99.3	70 - 120
1,3-Dichlorobenzene	50.00	49.0	98.0	75 - 125
1,4-Dichlorobenzene	50.00	48.9	97.9	75 - 125
Dichlorodifluoromethane	50.00	48.8	97.6	30 - 155
1,1-Dichloroethane	50.00	49.5	99.1	70 - 135
1,2-Dichloroethane	50.00	45.6	91.2	70 - 130
1,1-Dichloroethene	50.00	46.2	92.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06017	Laboratory ID:	2B06017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.0	97.9	70 - 125
trans-1,2-Dichloroethene	50.00	51.3	103	60 - 140
1,2-Dichloropropane	50.00	48.6	97.2	75 - 125
1,3-Dichloropropane	50.00	49.4	98.7	75 - 125
2,2-Dichloropropane	50.00	49.4	98.7	70 - 135
1,1-Dichloropropene	50.00	48.8	97.5	75 - 130
cis-1,3-Dichloropropene	50.00	51.9	104	70 - 130
trans-1,3-Dichloropropene	50.00	42.5	85.1	55 - 140
Ethylbenzene	50.00	51.6	103	75 - 125
Hexachlorobutadiene	50.00	46.7	93.4	50 - 140
2-Hexanone	100.0	104	104	55 - 130
Isopropylbenzene	50.00	48.6	97.3	75 - 125
p-Isopropyltoluene	50.00	45.7	91.4	75 - 130
Methylene chloride	50.00	47.4	94.8	55 - 140
Naphthalene	50.00	44.5	89.0	55 - 140
4-Methyl-2-pentanone	100.0	88.5	88.5	60 - 135
Methyl t-Butyl Ether	50.00	45.7	91.4	65 - 125
n-Propylbenzene	50.00	49.1	98.3	70 - 130
Styrene	50.00	50.5	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.5	97.1	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.8	106	80 - 130
Tetrachloroethene	50.00	52.6	105	45 - 150
Toluene	50.00	49.3	98.6	75 - 120
1,2,3-Trichlorobenzene	50.00	43.4	86.9	55 - 140
1,2,4-Trichlorobenzene	50.00	45.7	91.4	65 - 135
1,1,2-Trichloroethane	50.00	50.7	101	75 - 125
1,1,1-Trichloroethane	50.00	48.3	96.5	65 - 130
Trichloroethene	50.00	50.8	102	70 - 125
Trichlorofluoromethane	50.00	52.5	105	60 - 145
1,2,3-Trichloropropane	50.00	49.0	98.0	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06017	Laboratory ID:	2B06017-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	50.5	101	75 - 130
1,2,4-Trimethylbenzene	50.00	50.4	101	75 - 130
Vinyl chloride	50.00	57.8	116	50 - 145
Xylenes (total)	150.0	145	96.8	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B03411

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	99.5	99.5		40 - 140
Benzene	50.00	0.267	55.0	109		80 - 120
Bromobenzene	50.00	ND	52.0	104		75 - 125
Bromochloromethane	50.00	ND	57.5	115		65 - 130
Bromodichloromethane	50.00	ND	52.4	105		75 - 120
Bromoform	50.00	ND	57.5	115		70 - 130
Bromomethane	50.00	ND	45.7	91.4		30 - 145
n-Butylbenzene	50.00	ND	50.3	101		70 - 135
2-Butanone	100.0	ND	89.6	89.6		30 - 150
sec-Butylbenzene	50.00	ND	51.0	102		70 - 125
tert-Butylbenzene	50.00	ND	51.5	103		70 - 130
Carbon disulfide	50.00	ND	46.8	93.7		35 - 160
Carbon tetrachloride	50.00	ND	57.9	116		65 - 140
Chlorobenzene	50.00	ND	53.6	107		80 - 120
Chloroethane	50.00	ND	60.3	121		60 - 135
Chloroform	50.00	ND	52.1	104		65 - 135
Chloromethane	50.00	ND	43.4	86.8		40 - 125
2-Chlorotoluene	50.00	ND	48.2	96.4		75 - 125
4-Chlorotoluene	50.00	ND	49.0	98.1		75 - 130
Dibromochloromethane	50.00	ND	53.7	107		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	49.6	99.3		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	51.9	104		80 - 120
Dibromomethane	50.00	ND	53.6	107		75 - 125
1,2-Dichlorobenzene	50.00	ND	51.9	104		70 - 120
1,3-Dichlorobenzene	50.00	ND	49.7	99.4		75 - 125
1,4-Dichlorobenzene	50.00	ND	52.1	104		75 - 125
Dichlorodifluoromethane	50.00	ND	52.1	104		30 - 155
1,1-Dichloroethane	50.00	ND	54.0	108		70 - 135
1,2-Dichloroethane	50.00	ND	52.2	104		70 - 130
1,1-Dichloroethene	50.00	ND	51.2	102		70 - 130
cis-1,2-Dichloroethene	50.00	ND	54.1	108		70 - 125
trans-1,2-Dichloroethene	50.00	ND	54.1	108		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B03411

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	52.9	106		75 - 125
1,3-Dichloropropane	50.00	ND	52.9	106		75 - 125
2,2-Dichloropropane	50.00	ND	47.3	94.5		70 - 135
1,1-Dichloropropene	50.00	ND	54.2	108		75 - 130
cis-1,3-Dichloropropene	50.00	ND	55.6	111		70 - 130
trans-1,3-Dichloropropene	50.00	ND	45.0	89.9		55 - 140
Ethylbenzene	50.00	0.937	52.8	104		75 - 125
Hexachlorobutadiene	50.00	ND	42.2	84.4		50 - 140
2-Hexanone	100.0	ND	94.2	94.2		55 - 130
Isopropylbenzene	50.00	ND	49.1	98.2		75 - 125
p-Isopropyltoluene	50.00	ND	47.3	94.6		75 - 130
Methylene chloride	50.00	ND	51.4	103		55 - 140
Naphthalene	50.00	0.300	44.7	88.8		55 - 140
4-Methyl-2-pentanone	100.0	ND	99.1	99.1		60 - 135
Methyl t-Butyl Ether	50.00	ND	49.6	99.1		65 - 125
n-Propylbenzene	50.00	ND	50.6	101		70 - 130
Styrene	50.00	ND	51.1	102		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	48.4	96.8		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	55.7	111		80 - 130
Tetrachloroethene	50.00	ND	53.8	108		45 - 150
Toluene	50.00	4.24	55.7	103		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	42.4	84.9		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	47.2	94.4		65 - 135
1,1,2-Trichloroethane	50.00	ND	54.9	110		75 - 125
1,1,1-Trichloroethane	50.00	ND	54.0	108		65 - 130
Trichloroethene	50.00	ND	55.8	112		70 - 125
Trichlorofluoromethane	50.00	ND	57.4	115		60 - 145
1,2,3-Trichloropropane	50.00	ND	51.3	103		75 - 125
1,3,5-Trimethylbenzene	50.00	0.357	50.9	101		75 - 130
1,2,4-Trimethylbenzene	50.00	0.908	51.8	102		75 - 130
Vinyl chloride	50.00	ND	65.0	130		50 - 145
Xylenes (total)	150.0	4.93	155	100		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B03411

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	101	101	1.59		30	40 - 140
Benzene	50.00	54.5	108	1.01		30	80 - 120
Bromobenzene	50.00	52.1	104	0.267		30	75 - 125
Bromochloromethane	50.00	57.7	115	0.313		30	65 - 130
Bromodichloromethane	50.00	52.2	104	0.563		30	75 - 120
Bromoform	50.00	58.8	118	2.24		30	70 - 130
Bromomethane	50.00	49.4	98.7	7.67		30	30 - 145
n-Butylbenzene	50.00	48.8	97.5	3.05		30	70 - 135
2-Butanone	100.0	88.7	88.7	1.02		30	30 - 150
sec-Butylbenzene	50.00	49.5	99.1	2.97		30	70 - 125
tert-Butylbenzene	50.00	48.6	97.3	5.79		30	70 - 130
Carbon disulfide	50.00	45.3	90.6	3.27		30	35 - 160
Carbon tetrachloride	50.00	56.5	113	2.35		30	65 - 140
Chlorobenzene	50.00	52.3	105	2.60		30	80 - 120
Chloroethane	50.00	58.6	117	2.85		30	60 - 135
Chloroform	50.00	51.1	102	1.92		30	65 - 135
Chloromethane	50.00	42.6	85.2	1.84		30	40 - 125
2-Chlorotoluene	50.00	48.0	96.1	0.348		30	75 - 125
4-Chlorotoluene	50.00	48.0	96.0	2.14		30	75 - 130
Dibromochloromethane	50.00	55.3	111	2.89		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.7	97.4	1.94		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	55.9	112	7.55		30	80 - 120
Dibromomethane	50.00	54.7	109	2.03		30	75 - 125
1,2-Dichlorobenzene	50.00	49.1	98.2	5.54		30	70 - 120
1,3-Dichlorobenzene	50.00	50.0	100	0.613		30	75 - 125
1,4-Dichlorobenzene	50.00	50.4	101	3.39		30	75 - 125
Dichlorodifluoromethane	50.00	50.5	101	3.28		30	30 - 155
1,1-Dichloroethane	50.00	52.7	105	2.46		30	70 - 135
1,2-Dichloroethane	50.00	50.9	102	2.42		30	70 - 130
1,1-Dichloroethene	50.00	50.8	102	0.814		30	70 - 130
cis-1,2-Dichloroethene	50.00	54.5	109	0.773		30	70 - 125
trans-1,2-Dichloroethene	50.00	54.3	109	0.332		30	60 - 140
1,2-Dichloropropane	50.00	52.4	105	0.930		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B03411

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	53.3	107	0.765		30	75 - 125
2,2-Dichloropropane	50.00	46.6	93.2	1.43		30	70 - 135
1,1-Dichloropropene	50.00	52.6	105	3.05		30	75 - 130
cis-1,3-Dichloropropene	50.00	54.5	109	1.97		30	70 - 130
trans-1,3-Dichloropropene	50.00	44.5	88.9	1.15		30	55 - 140
Ethylbenzene	50.00	53.0	104	0.315		30	75 - 125
Hexachlorobutadiene	50.00	44.5	89.1	5.39		30	50 - 140
2-Hexanone	100.0	92.9	92.9	1.30		30	55 - 130
Isopropylbenzene	50.00	48.0	96.1	2.17		30	75 - 125
p-Isopropyltoluene	50.00	46.5	93.0	1.68		30	75 - 130
Methylene chloride	50.00	52.1	104	1.36		30	55 - 140
Naphthalene	50.00	45.8	91.0	2.38		30	55 - 140
4-Methyl-2-pentanone	100.0	98.0	98.0	1.04		30	60 - 135
Methyl t-Butyl Ether	50.00	49.9	99.9	0.758		30	65 - 125
n-Propylbenzene	50.00	47.9	95.7	5.63		30	70 - 130
Styrene	50.00	52.8	106	3.35		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.1	98.3	1.51		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.5	111	0.281		30	80 - 130
Tetrachloroethene	50.00	53.7	107	0.129		30	45 - 150
Toluene	50.00	54.8	101	1.71		30	75 - 120
1,2,3-Trichlorobenzene	50.00	44.9	89.8	5.69		30	55 - 140
1,2,4-Trichlorobenzene	50.00	48.1	96.2	1.93		30	65 - 135
1,1,2-Trichloroethane	50.00	54.5	109	0.705		30	75 - 125
1,1,1-Trichloroethane	50.00	52.7	105	2.51		30	65 - 130
Trichloroethene	50.00	54.6	109	2.24		30	70 - 125
Trichlorofluoromethane	50.00	54.5	109	5.10		30	60 - 145
1,2,3-Trichloropropane	50.00	50.8	102	0.992		30	75 - 125
1,3,5-Trimethylbenzene	50.00	50.1	99.4	1.60		30	75 - 130
1,2,4-Trimethylbenzene	50.00	50.0	98.3	3.45		30	75 - 130
Vinyl chloride	50.00	61.7	123	5.22		30	50 - 145
Xylenes (total)	150.0	159	102	2.16		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2A31015 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0474	1201196-07	01/31/12 00:00	5.00	5.00
GW0494	1201196-09	01/31/12 00:00	5.00	5.00
GW8165-TB	1201196-13	01/31/12 00:00	5.00	5.00
Blank	2A31015-BLK1	01/31/12 00:00	5.00	5.00
LCS	2A31015-BS1	01/31/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B01012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	02/01/12 00:00	5.00	5.00
GW0473	1201196-05	02/01/12 00:00	5.00	5.00
GW0495	1201196-11	02/01/12 00:00	5.00	5.00
Blank	2B01012-BLK1	02/01/12 00:00	5.00	5.00
LCS	2B01012-BS1	02/01/12 00:00	5.00	5.00
LCS Dup	2B01012-BSD1	02/01/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B02005 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0465	1201196-03	02/02/12 00:00	5.00	5.00
Blank	2B02005-BLK1	02/02/12 00:00	5.00	5.00
LCS	2B02005-BS1	02/02/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B03411 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/03/12 00:00	5.00	5.00
GW0422	1202006-03	02/03/12 00:00	5.00	5.00
GW0423	1202006-05	02/03/12 00:00	5.00	5.00
GW0424	1202006-07	02/03/12 00:00	5.00	5.00
GW0436	1202006-09	02/03/12 00:00	5.00	5.00
GW0437	1202006-11	02/03/12 00:00	5.00	5.00
GW8041-AB	1202006-13	02/03/12 00:00	5.00	5.00
GW8166-TB	1202006-14	02/03/12 00:00	5.00	5.00
GW0382	1202022-01	02/03/12 00:00	5.00	5.00
GW0395	1202022-03	02/03/12 00:00	5.00	5.00
GW0435	1202022-05	02/03/12 00:00	5.00	5.00
GW0497	1202022-07	02/03/12 00:00	5.00	5.00
GW8167-TB	1202022-09	02/03/12 00:00	5.00	5.00
Blank	2B03411-BLK1	02/03/12 00:00	5.00	5.00
LCS	2B03411-BS1	02/03/12 00:00	5.00	5.00
GW0409	2B03411-MS1	02/03/12 00:00	5.00	5.00
GW0409	2B03411-MSD1	02/03/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B06017 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0400	1202028-01	02/06/12 00:00	5.00	5.00
GW0401	1202028-03	02/06/12 00:00	5.00	5.00
GW0420	1202028-05	02/06/12 00:00	5.00	5.00
GW0421	1202028-07	02/06/12 00:00	5.00	5.00
GW0496	1202028-09	02/06/12 00:00	5.00	5.00
GW8168-TB	1202028-11	02/06/12 00:00	5.00	5.00
Blank	2B06017-BLK1	02/06/12 00:00	5.00	5.00
LCS	2B06017-BS1	02/06/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0106TU1.D	Injection Date:	01/06/12
Instrument ID:	MS-VOA4	Injection Time:	07:52
Sequence:	2A00902	Lab Sample ID:	2A00902-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0131TU1.D	Injection Date:	01/31/12
Instrument ID:	MS-VOA4	Injection Time:	10:47
Sequence:	2B03201	Lab Sample ID:	2B03201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.4	PASS
75	30 - 60% of 95	42.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.14	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	71.3	PASS
175	5 - 9% of 174	7.65	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	7.09	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0201TU1.D	Injection Date:	02/01/12
Instrument ID:	MS-VOA4	Injection Time:	07:42
Sequence:	2B03304	Lab Sample ID:	2B03304-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.8	PASS
75	30 - 60% of 95	39.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.58	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	95.5	PASS
175	5 - 9% of 174	7.66	PASS
176	95 - 101% of 174	96.1	PASS
177	5 - 9% of 176	6.81	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0202TU1.D	Injection Date:	02/02/12
Instrument ID:	MS-VOA4	Injection Time:	07:10
Sequence:	2B03401	Lab Sample ID:	2B03401-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.8	PASS
75	30 - 60% of 95	44.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.02	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	60	PASS
175	5 - 9% of 174	7.98	PASS
176	95 - 101% of 174	95.4	PASS
177	5 - 9% of 176	7.85	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0203TU1.D	Injection Date:	02/03/12
Instrument ID:	MS-VOA4	Injection Time:	06:50
Sequence:	2B03703	Lab Sample ID:	2B03703-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19	PASS
75	30 - 60% of 95	43	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.18	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	65.2	PASS
175	5 - 9% of 174	8.31	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.36	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0206TU1.D	Injection Date:	02/06/12
Instrument ID:	MS-VOA4	Injection Time:	06:45
Sequence:	2B03804	Lab Sample ID:	2B03804-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.6	PASS
75	30 - 60% of 95	39.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.49	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	92.5	PASS
175	5 - 9% of 174	7.57	PASS
176	95 - 101% of 174	98.9	PASS
177	5 - 9% of 176	6.7	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00902	Instrument:	MS-VOA4
Calibration:	2011004		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03201	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03201-TUN1	0131TU1.D	01/31/12 10:47
Calibration Check	2B03201-CCV1	0131CCV1.D	01/31/12 11:15
LCS	2A31015-BS1	0131LCS1.D	01/31/12 11:53
Blank	2A31015-BLK1	0131BLK1.D	01/31/12 15:24
GW8165-TB	1201196-13	0119613.D	01/31/12 17:17
GW0474	1201196-07	0119607.D	01/31/12 18:42
GW0494	1201196-09	0119609.D	01/31/12 19:10

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03304	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03304-TUN1	0201TU1.D	02/01/12 07:42
Calibration Check	2B03304-CCV1	0201CCV1.D	02/01/12 08:10
LCS	2B01012-BS1	0201LCS1.D	02/01/12 08:39
Blank	2B01012-BLK1	0201BLK1.D	02/01/12 10:03
GW0411	1201196-01	0119601.D	02/01/12 11:28
GW0473	1201196-05	0119605.D	02/01/12 14:09
GW0495	1201196-11	0119611.D	02/01/12 14:37
LCS Dup	2B01012-BSD1	0201LCD1.D	02/01/12 19:20

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03401	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03401-TUN1	0202TU1.D	02/02/12 07:10
Calibration Check	2B03401-CCV1	0202CCV1.D	02/02/12 07:38
LCS	2B02005-BS1	0202LCS1.D	02/02/12 08:07
Blank	2B02005-BLK1	0202BLK1.D	02/02/12 09:31
GW0465	1201196-03	0119603D.D	02/02/12 17:03

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03703	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03703-TUN1	0203TU1.D	02/03/12 06:50
Calibration Check	2B03703-CCV1	0203CCV1.D	02/03/12 07:18
LCS	2B03411-BS1	0203LCS1.D	02/03/12 08:15
Blank	2B03411-BLK1	0203BLK1.D	02/03/12 10:08
GW8041-AB	1202006-13	0200613.D	02/03/12 10:36
GW8166-TB	1202006-14	0200614.D	02/03/12 11:04
GW8167-TB	1202022-09	0202209.D	02/03/12 11:32
GW0409	1202006-01	0200601.D	02/03/12 12:29
GW0422	1202006-03	0200603.D	02/03/12 12:57
GW0423	1202006-05	0200605.D	02/03/12 13:25
GW0424	1202006-07	0200607.D	02/03/12 13:53
GW0436	1202006-09	0200609.D	02/03/12 14:21
GW0437	1202006-11	0200611.D	02/03/12 14:50
GW0382	1202022-01	0202201.D	02/03/12 15:18
GW0395	1202022-03	0202203.D	02/03/12 15:46
GW0435	1202022-05	0202205.D	02/03/12 16:14
GW0497	1202022-07	0202207.D	02/03/12 16:43
GW0409	2B03411-MS1	0200601M.D	02/03/12 17:39
GW0409	2B03411-MSD1	0200601S.D	02/03/12 18:07

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03804	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03804-TUN1	0206TU1.D	02/06/12 06:45
Calibration Check	2B03804-CCV1	0206CCV1.D	02/06/12 07:13
LCS	2B06017-BS1	0206LCS1.D	02/06/12 07:41
Blank	2B06017-BLK1	0206BLK1.D	02/06/12 09:06
GW8168-TB	1202028-11	0202811.D	02/06/12 09:35
GW0400	1202028-01	0202801.D	02/06/12 10:31
GW0401	1202028-03	0202803.D	02/06/12 11:00
GW0420	1202028-05	0202805.D	02/06/12 11:28
GW0421	1202028-07	0202807.D	02/06/12 11:56
GW0496	1202028-09	0202809.D	02/06/12 12:24

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03201	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03201-CCV1)			Lab File ID: 0131CCV1.D			Analyzed: 01/31/12 11:15			
Fluorobenzene	1065621	7.951	983262	7.953	108	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	394382	11.06	383879	11.06	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	411908	13.45	399760	13.457	103	50 - 200	-0.0070	+/-0.50	
LCS (2A31015-BS1)			Lab File ID: 0131LCS1.D			Analyzed: 01/31/12 11:53			
Fluorobenzene	1045010	7.944	1065621	7.951	98	50 - 200	-0.0070	+/-0.50	
Chlorobenzene-d5	393481	11.053	394382	11.06	100	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	428929	13.453	411908	13.45	104	50 - 200	0.0030	+/-0.50	
Blank (2A31015-BLK1)			Lab File ID: 0131BLK1.D			Analyzed: 01/31/12 15:24			
Fluorobenzene	1016334	7.953	1065621	7.951	95	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	390270	11.061	394382	11.06	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	426542	13.452	411908	13.45	104	50 - 200	0.0020	+/-0.50	
GW8165-TB (1201196-13)			Lab File ID: 0119613.D			Analyzed: 01/31/12 17:17			
Fluorobenzene	990435	7.949	1065621	7.951	93	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	387951	11.057	394382	11.06	98	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	414176	13.458	411908	13.45	101	50 - 200	0.0080	+/-0.50	
GW0474 (1201196-07)			Lab File ID: 0119607.D			Analyzed: 01/31/12 18:42			
Fluorobenzene	984435	7.947	1065621	7.951	92	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	379496	11.055	394382	11.06	96	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	411710	13.456	411908	13.45	100	50 - 200	0.0060	+/-0.50	
GW0494 (1201196-09)			Lab File ID: 0119609.D			Analyzed: 01/31/12 19:10			
Fluorobenzene	975235	7.953	1065621	7.951	92	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	383956	11.061	394382	11.06	97	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	415022	13.452	411908	13.45	101	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03304	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03304-CCV1)			Lab File ID: 0201CCV1.D			Analyzed: 02/01/12 08:10			
Fluorobenzene	1009074	7.954	983262	7.953	103	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	368794	11.062	383879	11.06	96	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	429085	13.453	399760	13.457	107	50 - 200	-0.0040	+/-0.50	
LCS (2B01012-BS1)			Lab File ID: 0201LCS1.D			Analyzed: 02/01/12 08:39			
Fluorobenzene	1042340	7.949	1009074	7.954	103	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	386377	11.057	368794	11.062	105	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	420833	13.458	429085	13.453	98	50 - 200	0.0050	+/-0.50	
Blank (2B01012-BLK1)			Lab File ID: 0201BLK1.D			Analyzed: 02/01/12 10:03			
Fluorobenzene	1009251	7.954	1009074	7.954	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	385386	11.063	368794	11.062	104	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	423206	13.453	429085	13.453	99	50 - 200	0.0000	+/-0.50	
GW0411 (1201196-01)			Lab File ID: 0119601.D			Analyzed: 02/01/12 11:28			
Fluorobenzene	996415	7.949	1009074	7.954	99	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	389327	11.058	368794	11.062	106	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	433621	13.458	429085	13.453	101	50 - 200	0.0050	+/-0.50	
GW0473 (1201196-05)			Lab File ID: 0119605.D			Analyzed: 02/01/12 14:09			
Fluorobenzene	969513	7.958	1009074	7.954	96	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	380837	11.067	368794	11.062	103	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	424633	13.457	429085	13.453	99	50 - 200	0.0040	+/-0.50	
GW0495 (1201196-11)			Lab File ID: 0119611.D			Analyzed: 02/01/12 14:37			
Fluorobenzene	976401	7.953	1009074	7.954	97	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	384241	11.061	368794	11.062	104	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	407775	13.462	429085	13.453	95	50 - 200	0.0090	+/-0.50	
LCS Dup (2B01012-BSD1)			Lab File ID: 0201LCD1.D			Analyzed: 02/01/12 19:20			
Fluorobenzene	1020210	7.956	1009074	7.954	101	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	390288	11.065	368794	11.062	106	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	405871	13.456	429085	13.453	95	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03401	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03401-CCV1)			Lab File ID: 0202CCV1.D			Analyzed: 02/02/12 07:38			
Fluorobenzene	992921	7.944	983262	7.953	101	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	378344	11.052	383879	11.06	99	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	403355	13.453	399760	13.457	101	50 - 200	-0.0040	+/-0.50	
LCS (2B02005-BS1)			Lab File ID: 0202LCS1.D			Analyzed: 02/02/12 08:07			
Fluorobenzene	974524	7.942	992921	7.944	98	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	370128	11.051	378344	11.052	98	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	411456	13.451	403355	13.453	102	50 - 200	-0.0020	+/-0.50	
Blank (2B02005-BLK1)			Lab File ID: 0202BLK1.D			Analyzed: 02/02/12 09:31			
Fluorobenzene	995516	7.944	992921	7.944	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	388161	11.053	378344	11.052	103	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	418285	13.444	403355	13.453	104	50 - 200	-0.0090	+/-0.50	
GW0465 (1201196-03)			Lab File ID: 0119603D.D			Analyzed: 02/02/12 17:03			
Fluorobenzene	893197	7.943	992921	7.944	90	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	345500	11.051	378344	11.052	91	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	379052	13.442	403355	13.453	94	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03703	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03703-CCV1)			Lab File ID: 0203CCV1.D			Analyzed: 02/03/12 07:18			
Fluorobenzene	997519	7.948	983262	7.953	101	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	383181	11.057	383879	11.06	100	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	423763	13.447	399760	13.457	106	50 - 200	-0.0100	+/-0.50	
LCS (2B03411-BS1)			Lab File ID: 0203LCS1.D			Analyzed: 02/03/12 08:15			
Fluorobenzene	1018905	7.936	997519	7.948	102	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	401861	11.055	383181	11.057	105	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	428315	13.445	423763	13.447	101	50 - 200	-0.0020	+/-0.50	
Blank (2B03411-BLK1)			Lab File ID: 0203BLK1.D			Analyzed: 02/03/12 10:08			
Fluorobenzene	984218	7.937	997519	7.948	99	50 - 200	-0.0110	+/-0.50	
Chlorobenzene-d5	387809	11.056	383181	11.057	101	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	433572	13.446	423763	13.447	102	50 - 200	-0.0010	+/-0.50	
GW8041-AB (1202006-13)			Lab File ID: 0200613.D			Analyzed: 02/03/12 10:36			
Fluorobenzene	1012053	7.937	997519	7.948	101	50 - 200	-0.0110	+/-0.50	
Chlorobenzene-d5	397733	11.046	383181	11.057	104	50 - 200	-0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	414329	13.446	423763	13.447	98	50 - 200	-0.0010	+/-0.50	
GW8166-TB (1202006-14)			Lab File ID: 0200614.D			Analyzed: 02/03/12 11:04			
Fluorobenzene	945567	7.939	997519	7.948	95	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	383935	11.048	383181	11.057	100	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	403905	13.448	423763	13.447	95	50 - 200	0.0010	+/-0.50	
GW8167-TB (1202022-09)			Lab File ID: 0202209.D			Analyzed: 02/03/12 11:32			
Fluorobenzene	967391	7.938	997519	7.948	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	363278	11.047	383181	11.057	95	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	417286	13.447	423763	13.447	98	50 - 200	0.0000	+/-0.50	
GW0409 (1202006-01)			Lab File ID: 0200601.D			Analyzed: 02/03/12 12:29			
Fluorobenzene	921312	7.94	997519	7.948	92	50 - 200	-0.0080	+/-0.50	
Chlorobenzene-d5	374835	11.048	383181	11.057	98	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	415593	13.449	423763	13.447	98	50 - 200	0.0020	+/-0.50	
GW0422 (1202006-03)			Lab File ID: 0200603.D			Analyzed: 02/03/12 12:57			
Fluorobenzene	946403	7.947	997519	7.948	95	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	363922	11.056	383181	11.057	95	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	398959	13.446	423763	13.447	94	50 - 200	-0.0010	+/-0.50	
GW0423 (1202006-05)			Lab File ID: 0200605.D			Analyzed: 02/03/12 13:25			
Fluorobenzene	926976	7.946	997519	7.948	93	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	378521	11.055	383181	11.057	99	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	411243	13.446	423763	13.447	97	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03703	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0424 (1202006-07)			Lab File ID: 0200607.D			Analyzed: 02/03/12 13:53			
Fluorobenzene	936193	7.944	997519	7.948	94	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	359348	11.052	383181	11.057	94	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	392444	13.453	423763	13.447	93	50 - 200	0.0060	+/-0.50	
GW0436 (1202006-09)			Lab File ID: 0200609.D			Analyzed: 02/03/12 14:21			
Fluorobenzene	924510	7.938	997519	7.948	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	369842	11.057	383181	11.057	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	399772	13.447	423763	13.447	94	50 - 200	0.0000	+/-0.50	
GW0437 (1202006-11)			Lab File ID: 0200611.D			Analyzed: 02/03/12 14:50			
Fluorobenzene	904976	7.94	997519	7.948	91	50 - 200	-0.0080	+/-0.50	
Chlorobenzene-d5	374631	11.049	383181	11.057	98	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	397842	13.449	423763	13.447	94	50 - 200	0.0020	+/-0.50	
GW0382 (1202022-01)			Lab File ID: 0202201.D			Analyzed: 02/03/12 15:18			
Fluorobenzene	907945	7.949	997519	7.948	91	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	360873	11.057	383181	11.057	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	397877	13.448	423763	13.447	94	50 - 200	0.0010	+/-0.50	
GW0395 (1202022-03)			Lab File ID: 0202203.D			Analyzed: 02/03/12 15:46			
Fluorobenzene	914332	7.944	997519	7.948	92	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	357081	11.052	383181	11.057	93	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	400572	13.453	423763	13.447	95	50 - 200	0.0060	+/-0.50	
GW0435 (1202022-05)			Lab File ID: 0202205.D			Analyzed: 02/03/12 16:14			
Fluorobenzene	930102	7.947	997519	7.948	93	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	368188	11.056	383181	11.057	96	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	408924	13.446	423763	13.447	96	50 - 200	-0.0010	+/-0.50	
GW0497 (1202022-07)			Lab File ID: 0202207.D			Analyzed: 02/03/12 16:43			
Fluorobenzene	940324	7.948	997519	7.948	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	360824	11.057	383181	11.057	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	401312	13.447	423763	13.447	95	50 - 200	0.0000	+/-0.50	
Matrix Spike (2B03411-MS1)			Lab File ID: 0200601M.D			Analyzed: 02/03/12 17:39			
Fluorobenzene	936859	7.949	997519	7.948	94	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	370529	11.057	383181	11.057	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	410021	13.448	423763	13.447	97	50 - 200	0.0010	+/-0.50	
Matrix Spike Dup (2B03411-MSD1)			Lab File ID: 0200601S.D			Analyzed: 02/03/12 18:07			
Fluorobenzene	952938	7.943	997519	7.948	96	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	367361	11.051	383181	11.057	96	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	410102	13.452	423763	13.447	97	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03804	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03804-CCV1)			Lab File ID: 0206CCV1.D			Analyzed: 02/06/12 07:13			
Fluorobenzene	998457	7.949	983262	7.953	102	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	377646	11.057	383879	11.06	98	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	414547	13.448	399760	13.457	104	50 - 200	-0.0090	+/-0.50	
LCS (2B06017-BS1)			Lab File ID: 0206LCS1.D			Analyzed: 02/06/12 07:41			
Fluorobenzene	1043798	7.943	998457	7.949	105	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	396595	11.052	377646	11.057	105	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	426655	13.452	414547	13.448	103	50 - 200	0.0040	+/-0.50	
Blank (2B06017-BLK1)			Lab File ID: 0206BLK1.D			Analyzed: 02/06/12 09:06			
Fluorobenzene	1005852	7.943	998457	7.949	101	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	383678	11.052	377646	11.057	102	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	403126	13.452	414547	13.448	97	50 - 200	0.0040	+/-0.50	
GW8168-TB (1202028-11)			Lab File ID: 0202811.D			Analyzed: 02/06/12 09:35			
Fluorobenzene	992743	7.947	998457	7.949	99	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	381516	11.056	377646	11.057	101	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	405669	13.446	414547	13.448	98	50 - 200	-0.0020	+/-0.50	
GW0400 (1202028-01)			Lab File ID: 0202801.D			Analyzed: 02/06/12 10:31			
Fluorobenzene	965961	7.94	998457	7.949	97	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	371963	11.058	377646	11.057	98	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	407987	13.449	414547	13.448	98	50 - 200	0.0010	+/-0.50	
GW0401 (1202028-03)			Lab File ID: 0202803.D			Analyzed: 02/06/12 11:00			
Fluorobenzene	978220	7.945	998457	7.949	98	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	373176	11.053	377646	11.057	99	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	409707	13.454	414547	13.448	99	50 - 200	0.0060	+/-0.50	
GW0420 (1202028-05)			Lab File ID: 0202805.D			Analyzed: 02/06/12 11:28			
Fluorobenzene	975700	7.943	998457	7.949	98	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	374716	11.052	377646	11.057	99	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	407361	13.452	414547	13.448	98	50 - 200	0.0040	+/-0.50	
GW0421 (1202028-07)			Lab File ID: 0202807.D			Analyzed: 02/06/12 11:56			
Fluorobenzene	978943	7.944	998457	7.949	98	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	373555	11.052	377646	11.057	99	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	392707	13.453	414547	13.448	95	50 - 200	0.0050	+/-0.50	
GW0496 (1202028-09)			Lab File ID: 0202809.D			Analyzed: 02/06/12 12:24			
Fluorobenzene	980069	7.948	998457	7.949	98	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	366077	11.057	377646	11.057	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	404050	13.447	414547	13.448	97	50 - 200	-0.0010	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 2011004

Instrument: MS-VOA4

Matrix: Water

Calibration Dates: 1/6/12 8:49 1/6/12 12:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	9.381877E-02	2	0.102278	4	8.767798E-02	10	7.415318E-02	20	7.114093E-02	100	6.120788E-02
Acrolein	2.502	5.229756E-02	5.005	4.028654E-02	10.01	4.190665E-02	25.02	4.123089E-02	50.05	0.0230089	250.2	2.281535E-02
Acrylonitrile	2.498	7.961083E-02	4.997	7.836325E-02	9.994	8.376711E-02	24.98	8.360881E-02	49.97	7.773431E-02	249.8	7.718366E-02
Benzene	0.5	0.8659493	1	0.877736	2	0.877177	5	0.8557211	10	0.8068226	50	0.7915002
Bromobenzene	0.5	0.6704029	1	0.6307899	2	0.6861217	5	0.6504002	10	0.6463347	50	0.6342971
Bromochloromethane	0.5	0.1379813	1	0.120716	2	0.1396707	5	0.1406665	10	0.1357205	50	0.1289797
Tert-Amyl Methyl Ether	0.5	0.6474739	1	0.6270465	2	0.6588948	5	0.6481996	10	0.6277878	50	0.5928271
Bromodichloromethane	0.5	0.2942953	1	0.2980532	2	0.3222217	5	0.302965	10	0.2895951	50	0.2852179
Bromoform	0.5	0.4132312	1	0.4194731	2	0.4288657	5	0.4204919	10	0.4170685	50	0.4648139
Bromomethane	0.5	~~0.27833~~	1	0.2107993	2	0.2166476	5	0.1955186	10	0.1750855	50	0.16324
Bromofluorobenzene	30	0.9298439	35	0.9002505	40	0.910851	50	0.8220762	60	0.8685338	70	0.8358502
n-Butylbenzene	0.5	1.348218	1	1.275935	2	1.346341	5	1.279428	10	1.228666	50	1.229195
2-Butanone	1	0.139165	2	0.1359554	4	0.1343393	10	0.1260152	20	0.112409	100	0.1063829
sec-Butylbenzene	0.5	1.743622	1	1.644123	2	1.842209	5	1.70771	10	1.638106	50	1.664286
tert-Butylbenzene	0.5	1.402824	1	1.336683	2	1.462715	5	1.396918	10	1.368962	50	1.348517
Carbon disulfide	0.5	0.7314889	1	0.6938786	2	0.7631246	5	0.7269538	10	0.7239692	50	0.7084408
Carbon tetrachloride	0.5	0.2362618	1	0.2334663	2	0.255266	5	0.2408453	10	0.2322999	50	0.2349772
Chlorobenzene	0.5	1.509865	1	1.446717	2	1.614753	5	1.449472	10	1.42403	50	1.442146
Chloroethane	0.5	0.1705189	1	0.1638047	2	0.1746838	5	0.1529196	10	0.1593694	50	0.1548301
Chloroform	0.5	0.4965019	1	0.4377146	2	0.4488159	5	0.397298	10	0.3876951	50	0.3625836
2-Chloroethyl vinyl ether	0.9975	0.1458429	1.995	0.1472264	3.99	0.1592328	9.975	0.148259	19.95	0.1481127	99.75	0.1402443
Chloromethane	0.5	0.3545141	1	0.3025127	2	0.3083051	5	0.2658091	10	0.2645749	50	0.2471158
1-Chlorohexane	0.5	0.8964132	1	0.7316316	2	0.7155059	5	0.6523462	10	0.5952247	50	0.6070666
2-Chlorotoluene	0.5	1.537903	1	1.488294	2	1.552511	5	1.447063	10	1.425774	50	1.382797
4-Chlorotoluene	0.5	1.731067	1	1.690295	2	1.808498	5	1.683845	10	1.632089	50	1.618613
Cyclohexane	0.5	0.3281077	1	0.3000215	2	0.3185096	5	0.3126979	10	0.2819641	50	0.2830945
Dibromochloromethane	0.5	0.6417163	1	0.6059409	2	0.6598401	5	0.6371383	10	0.6240749	50	0.6499053
1,2-Dibromo-3-chloropropane	0.5	0.1188937	1	0.1114334	2	0.1241829	5	0.1237643	10	0.127064	50	0.1328724
1,2-Dibromoethane (EDB)	0.5	0.588661	1	0.5585284	2	0.6300814	5	0.5861066	10	0.5859926	50	0.5805325
Dibromomethane	0.5	0.1751324	1	0.1563311	2	0.1750657	5	0.173679	10	0.1626532	50	0.1568931
1,2-Dichlorobenzene	0.5	1.027538	1	1.010226	2	1.113704	5	1.045242	10	1.025395	50	1.026858

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.153238	1	1.071788	2	1.146514	5	1.112392	10	1.065198	50	1.022892
1,4-Dichlorobenzene	0.5	1.095153	1	1.063723	2	1.172117	5	1.072213	10	1.065337	50	1.063538
Dichlorodifluoromethane	0.5	0.2258814	1	0.2296526	2	0.2117745	5	0.2070516	10	0.219852	50	0.2224737
1,1-Dichloroethane	0.5	0.4014994	1	0.4243052	2	0.4371296	5	0.4125289	10	0.4098296	50	0.4017474
1,2-Dichloroethane	0.5	0.3010335	1	0.2829521	2	0.3110854	5	0.2960147	10	0.2805772	50	0.2730936
1,1-Dichloroethene	0.5	0.2457317	1	0.2166122	2	0.2366901	5	0.216693	10	0.2083183	50	0.2086674
cis-1,2-Dichloroethene	0.5	0.2356548	1	0.248475	2	0.263729	5	0.2497117	10	0.2385969	50	0.227138
trans-1,2-Dichloroethene	0.5	0.2468851	1	0.239925	2	0.2459627	5	0.2305449	10	0.2291592	50	0.2229139
1,2-Dichloroethene (total)	1	0.2412699	2	0.2442	4	0.2548459	10	0.2401283	20	0.233878	100	0.2250259
1,2-Dichloropropane	0.5	0.2513772	1	0.2475831	2	0.2534634	5	0.2442136	10	0.2388799	50	0.2252443
1,3-Dichloropropane	0.5	0.7944081	1	0.8323434	2	0.9197218	5	0.8716809	10	0.8548685	50	0.8580708
2,2-Dichloropropane	0.5	0.2899246	1	0.3105092	2	0.3055248	5	0.2849393	10	0.2780739	50	0.2637238
1,1-Dichloropropene	0.5	0.2992731	1	0.2900874	2	0.3271407	5	0.301049	10	0.2880838	50	0.2825747
cis-1,3-Dichloropropene	0.5	0.3358172	1	0.3565504	2	0.3857251	5	0.3614479	10	0.3470396	50	0.336022
trans-1,3-Dichloropropene	0.5	0.9401523	1	0.8511174	2	0.9438045	5	0.8871702	10	0.8772335	50	0.8576712
Diisopropyl Ether	0.5	0.9352739	1	0.8562685	2	0.9298647	5	0.8701526	10	0.8680981	50	0.8337026
Ethylbenzene	0.5	2.267008	1	2.478176	2	2.528961	5	2.272122	10	2.24054	50	2.273311
Ethyl tert-Butyl Ether	0.5	0.6726056	1	0.7062424	2	0.7194498	5	0.6965895	10	0.6807109	50	0.6392152
Ethyl Methacrylate	0.5	0.7053511	1	0.6972656	2	0.7845103	5	0.7215242	10	0.6991505	50	0.7224117
Hexachlorobutadiene	0.5	0.2801413	1	0.2598633	2	0.2761079	5	0.2504403	10	0.2497174	50	0.2493844
2-Hexanone	1	0.4044676	2	0.4146602	4	0.432251	10	0.405198	20	0.3931269	100	0.3925799
Iodomethane	0.5	0.1795638	1	0.210092	2	0.237683	5	0.2668282	10	0.2956776	50	0.3488043
Isopropylbenzene	0.5	1.825986	1	1.841927	2	2.001292	5	1.830686	10	1.801343	50	1.792526
p-Isopropyltoluene	0.5	1.487683	1	1.413191	2	1.532052	5	1.456519	10	1.387423	50	1.37815
Methylene chloride	0.5	0.3181522	1	0.29304	2	0.2688618	5	0.2527078	10	0.2421513	50	0.2367567
Methyl Acetate	0.5	0.2270954	1	0.1895164	2	0.2359874	5	0.1841076	10	0.1812675	50	0.1659459
Methylcyclohexane	0.5	0.2502846	1	0.222548	2	0.235468	5	0.2274633	10	0.2074632	50	0.2146291
Naphthalene	0.5	1.28393	1	1.213484	2	1.30407	5	1.301191	10	1.23965	50	1.276068
Methyl Methacrylate	0.5	0.2020245	1	0.1965595	2	0.2208333	5	0.2072225	10	0.1968935	50	0.1905085
4-Methyl-2-pentanone	1	0.2377491	2	0.2298679	4	0.2386454	10	0.2254618	20	0.2208875	100	0.20822
Methyl t-Butyl Ether	0.5	0.5774817	1	0.5665194	2	0.5785876	5	0.5801729	10	0.5536569	50	0.5311237

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.311014	1	2.119158	2	2.309471	5	2.221438	10	2.12356	50	2.17659
Styrene	0.5	1.567815	1	1.517915	2	1.668433	5	1.565587	10	1.509273	50	1.603069
1,1,2,2-Tetrachloroethane	0.5	0.6542176	1	0.5887619	2	0.6496326	5	0.6389634	10	0.6186124	50	0.6115664
1,1,1,2-Tetrachloroethane	0.5	0.480024	1	0.4893985	2	0.5552793	5	0.5271817	10	0.5046919	50	0.5314135
tert-Butyl alcohol	2.5	1.505471E-02	5	1.619593E-02	10	1.866451E-02	25	1.825271E-02	50	0.0169003	250	1.516307E-02
Tetrachloroethene	0.5	0.6196099	1	0.5681541	2	0.6580967	5	0.5845123	10	0.5757528	50	0.5936625
Toluene	0.5	1.358752	1	1.373291	2	1.386617	5	1.312367	10	1.278747	50	1.267786
1,2,3-Trichlorobenzene	0.5	0.5778292	1	0.5115133	2	0.5502262	5	0.5281669	10	0.5108822	50	0.5300002
1,2,4-Trichlorobenzene	0.5	0.6652599	1	0.5647882	2	0.6373945	5	0.589974	10	0.5565634	50	0.5797486
1,1,2-Trichloroethane	0.5	0.4077046	1	0.4490661	2	0.4533132	5	0.4591447	10	0.4536798	50	0.4502663
1,1,1-Trichloroethane	0.5	0.2970877	1	0.2883651	2	0.307358	5	0.302428	10	0.2780521	50	0.2738227
Tetrahydrofuran	0.5		1	8.694627E-02	2	9.011454E-02	5	6.741642E-02	10	0.0634119	50	6.212034E-02
Trichloroethene	0.5	0.2530163	1	0.2316824	2	0.2466043	5	0.2328515	10	0.2243174	50	0.2144664
Trichlorofluoromethane	0.5	0.3106855	1	0.2965461	2	0.3382465	5	0.3158527	10	0.297503	50	0.2981497
1,2,3-Trichloropropane	0.5	0.1375332	1	0.1484424	2	0.1715382	5	0.1603318	10	0.1611793	50	0.1617741
1,3,5-Trimethylbenzene	0.5	1.557567	1	1.530026	2	1.597672	5	1.540824	10	1.514749	50	1.488827
1,2,4-Trimethylbenzene	0.5	1.614291	1	1.514562	2	1.627028	5	1.672709	10	1.556236	50	1.496979
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2113123	1	0.1982203	2	0.2267605	5	0.2190789	10	0.204055	50	0.2082972
Vinyl chloride	0.5	0.2207822	1	0.2008037	2	0.2226512	5	0.1782495	10	0.191464	50	0.1720476
m,p-Xylene	1	1.90778	2	1.800361	4	1.96529	10	1.802451	20	1.747328	100	1.67976
o-Xylene	0.5	1.991468	1	1.915273	2	2.004049	5	1.884844	10	1.755247	50	1.808514
Vinyl acetate	0.996	0.4697588	1.992	0.5129341	3.984	0.5572453	9.96	0.5395889	19.92	0.5142655	99.62	0.4952973
Xylenes (total)	1.5	1.935676	3	1.838665	6	1.978209	15	1.829915	30	1.749967	150	1.722678
Dibromofluoromethane	30	0.300478	35	0.2962983	40	0.2901867	50	0.2786321	60	0.2805554	70	0.2654734
1,2-Dichloroethane-d4	30	6.007517E-02	35	6.069411E-02	40	5.627614E-02	50	0.0568408	60	5.688372E-02	70	5.376075E-02
Toluene-d8	30	2.35476	35	2.234245	40	2.280675	50	2.112041	60	2.169492	70	2.088149
tert-Amyl alcohol	2.5	0.0130029	5	1.288047E-02	10	0.0134492	25	1.308298E-02	50	1.229865E-02	250	1.206255E-02
tert-Amyl ethyl ether	0.5	0.5468259	1	0.5815281	2	0.60167	5	0.5791722	10	0.5562442	50	0.5435141

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	6.840238E-02	300	6.327703E-02	400	6.539198E-02						
Acrolein	500.5	2.525839E-02	750.8	2.379317E-02	1001	2.420215E-02						
Acrylonitrile	499.7	8.421197E-02	749.6	8.061115E-02	999.4	8.265219E-02						
Benzene	100	0.8238047	150	0.7807284	200	0.759281						
Bromobenzene	100	0.6623068	150	0.6610546	200	0.6507036						
Bromochloromethane	100	0.1412531	150	0.1336871	200	0.1312866						
Tert-Amyl Methyl Ether	100	0.6363808	150	0.5800117	200	0.5843138						
Bromodichloromethane	100	0.2963187	150	0.2845465	200	0.2799448						
Bromoform	100	0.5213094	150	0.5115891	200	0.5171277						
Bromomethane	100	0.1812619	150	0.1805642	200	0.1830554						
Bromofluorobenzene	30	1.020289	30	0.9718459	30	0.9911713						
n-Butylbenzene	100	1.261692	150	1.218387	200	1.170125						
2-Butanone	200	0.1212751	300	0.117579	400	0.1171103						
sec-Butylbenzene	100	1.645047	150	1.662902	200	1.547214						
tert-Butylbenzene	100	1.367332	150	1.345331	200	1.309463						
Carbon disulfide	100	0.7514947	150	0.724944	200	0.7284933						
Carbon tetrachloride	100	0.2530443	150	0.243776	200	0.2424461						
Chlorobenzene	100	1.48609	150	1.39112	200	1.394199						
Chloroethane	100	0.1651746	150	0.1557637	200	0.1595611						
Chloroform	100	0.3836072	150	0.3587965	200	0.3509863						
2-Chloroethyl vinyl ether	199.5	0.1552751	299.2	0.1454333	399	0.1452536						
Chloromethane	100	0.2739588	150	0.2684152	200	0.2622653						
1-Chlorohexane	100	0.6350822	150	0.6270059	200	0.6322465						
2-Chlorotoluene	100	1.349691	150	1.384648	200	1.304885						
4-Chlorotoluene	100	1.611909	150	1.600739	200	1.51511						
Cyclohexane	100	0.3006848	150	0.2858816	200	0.2862235						
Dibromochloromethane	100	0.6945121	150	0.6735623	200	0.6940503						
1,2-Dibromo-3-chloropropane	100	0.1468029	150	0.1517534	200	0.1560608						
1,2-Dibromoethane (EDB)	100	0.6299025	150	0.5943547	200	0.6186179						
Dibromomethane	100	0.1674192	150	0.1592365	200	0.1575043						
1,2-Dichlorobenzene	100	1.06236	150	1.024679	200	1.001634						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.054281	150	1.055899	200	1.007597						
1,4-Dichlorobenzene	100	1.070809	150	1.068599	200	1.030568						
Dichlorodifluoromethane	100	0.238552	150	0.2289638	200	0.2275247						
1,1-Dichloroethane	100	0.4246041	150	0.4046457	200	0.390202						
1,2-Dichloroethane	100	0.284239	150	0.2616644	200	0.2569983						
1,1-Dichloroethene	100	0.2141902	150	0.2057988	200	0.2145801						
cis-1,2-Dichloroethene	100	0.2457092	150	0.2343075	200	0.2368486						
trans-1,2-Dichloroethene	100	0.2300958	150	0.2204311	200	0.2225448						
1,2-Dichloroethene (total)	200	0.2379025	300	0.2273693	400	0.2296967						
1,2-Dichloropropane	100	0.2443097	150	0.2296434	200	0.2286445						
1,3-Dichloropropane	100	0.8924075	150	0.8422525	200	0.8547604						
2,2-Dichloropropane	100	0.2664378	150	0.2522102	200	0.2519803						
1,1-Dichloropropene	100	0.298074	150	0.2820662	200	0.2807297						
cis-1,3-Dichloropropene	100	0.3624957	150	0.3372328	200	0.3396853						
trans-1,3-Dichloropropene	100	0.8870757	150	0.8029358	200	0.7913708						
Diisopropyl Ether	100	0.8524936	150	0.81107	200	0.7806082						
Ethylbenzene	100	2.354578	150	2.120514	200	2.064044						
Ethyl tert-Butyl Ether	100	0.6685004	150	0.6223114	200	0.6199278						
Ethyl Methacrylate	100	0.7710764	150	0.7462247	200	0.7449815						
Hexachlorobutadiene	100	0.2627541	150	0.276623	200	0.2717933						
2-Hexanone	200	0.4342725	300	0.3983831	400	0.4138226						
Iodomethane	100	0.3924044	150	0.3808489	200	0.3798566						
Isopropylbenzene	100	1.874681	150	1.733129	200	1.698429						
p-Isopropyltoluene	100	1.391224	150	1.362157	200	1.324643						
Methylene chloride	100	0.2578361	150	0.2451741	200	0.2468627						
Methyl Acetate	100	0.1832243	150	0.1748652	200	0.1796074						
Methylcyclohexane	100	0.2301063	150	0.2346923	200	0.229254						
Naphthalene	100	1.331745	150	1.384501	200	1.336922						
Methyl Methacrylate	100	0.1965885	150	0.1908664	200	0.186286						
4-Methyl-2-pentanone	200	0.2240031	300	0.2113823	400	0.2131554						
Methyl t-Butyl Ether	100	0.5680552	150	0.5368452	200	0.5373366						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2011004	Instrument:	MS-VOA4	
Matrix:	Water	Calibration Dates:	1/6/12 8:49	1/6/12 12:34

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2011004	Instrument:	MS-VOA4		
Matrix:	Water	Calibration Dates:	1/6/12 8:49	1/6/12 12:34	

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV1	Injection Time:	13:31

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

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV2.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV2	Injection Time:	13:59

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV2.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV2	Injection Time:	13:59

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV2.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV2	Injection Time:	13:59

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

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0131CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03201	Injection Date:	01/31/12
Lab Sample ID:	2B03201-CCV1	Injection Time:	11:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	316.4	7.637201E-02	0.1029293		58.2	20 *
Benzene	A	100.0	103.9	0.8265245	0.8585104		3.9	20
Bromobenzene	A	100.0	109.2	0.6547124	0.7150101		9.2	20
Bromochloromethane	A	100.0	110.2	0.1344402	0.148213		10.2	20
Bromodichloromethane	A	100.0	104.2	0.2947954	0.3070559		4.2	20
Bromoform	A	100.0	118.1	0.4571078	0.5397904	0.1	18.1	20
Bromomethane	A	100.0	90.91	0.1882716	0.1711526		-9.1	20
n-Butylbenzene	A	100.0	100.4	1.261999	1.267759		0.5	20
2-Butanone	A	200.0	217.9	0.123359	0.1344167		9.0	20
sec-Butylbenzene	A	100.0	103.8	1.677247	1.740176		3.8	20
tert-Butylbenzene	A	100.0	103.8	1.370972	1.423517		3.8	20
Carbon disulfide	A	100.0	111.6	0.7280875	0.812926		11.7	20
Carbon tetrachloride	A	100.0	111.2	0.2413759	0.268515		11.2	20
Chlorobenzene	A	100.0	104.6	1.462044	1.529149	0.3	4.6	20
Chloroethane	A	100.0	109.0	0.1618473	0.1764658		9.0	20
Chloroform	A	100.0	97.78	0.4026666	0.3937214		-2.2	20
Chloromethane	A	100.0	83.11	0.2830523	0.2352561	0.1	-16.9	20
2-Chlorotoluene	A	100.0	100.7	1.430396	1.440622		0.7	20
4-Chlorotoluene	A	100.0	105.2	1.654685	1.741368		5.2	20
Dibromochloromethane	A	100.0	111.2	0.6534156	0.7268174		11.2	20
1,2-Dibromo-3-chloropropane	A	100.0	114.6	0.1325364	0.1519541		14.7	20
1,2-Dibromoethane (EDB)	A	100.0	107.9	0.5969753	0.6439196		7.9	20
Dibromomethane	A	100.0	105.3	0.1648794	0.1736801		5.3	20
1,2-Dichlorobenzene	A	100.0	108.2	1.037515	1.123063		8.2	20
1,3-Dichlorobenzene	A	100.0	104.7	1.076644	1.126887		4.7	20
1,4-Dichlorobenzene	A	100.0	102.4	1.078006	1.104318		2.4	20
Dichlorodifluoromethane	A	100.0	104.0	0.2235251	0.232416		4.0	20
1,1-Dichloroethane	A	100.0	103.4	0.4118324	0.4258179	0.1	3.4	20
1,2-Dichloroethane	A	100.0	97.18	0.2830731	0.2750934		-2.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0131CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03201	Injection Date:	01/31/12
Lab Sample ID:	2B03201-CCV1	Injection Time:	11:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	110.6	0.2185869	0.2417486		10.6	20
cis-1,2-Dichloroethene	A	100.0	105.8	0.2422412	0.2562531		5.8	20
trans-1,2-Dichloroethene	A	100.0	105.0	0.2320514	0.243607		5.0	20
1,2-Dichloropropane	A	100.0	102.5	0.2403732	0.2463701		2.5	20
1,3-Dichloropropane	A	100.0	101.8	0.8578349	0.8736849		1.8	20
2,2-Dichloropropane	A	100.0	100.4	0.2781471	0.2792774		0.4	20
1,1-Dichloropropene	A	100.0	103.3	0.2943421	0.3040875		3.3	20
cis-1,3-Dichloropropene	A	100.0	102.0	0.3513351	0.3583192		2.0	20
trans-1,3-Dichloropropene	A	100.0	96.94	0.8709479	0.84434		-3.1	20
Ethylbenzene	A	100.0	103.8	2.288806	2.37525		3.8	20
Hexachlorobutadiene	A	100.0	86.37	0.2640917	0.2280917		-13.6	20
2-Hexanone	A	200.0	208.8	0.4098624	0.4280102		4.4	20
Isopropylbenzene	A	100.0	103.2	1.822222	1.881167		3.2	20
p-Isopropyltoluene	A	100.0	101.9	1.414782	1.441704		1.9	20
Methylene chloride	A	100.0	103.2	0.2623936	0.2707278		3.2	20
Naphthalene	A	100.0	102.4	1.29684	1.327439		2.4	20
4-Methyl-2-pentanone	A	200.0	184.9	0.2232636	0.2064075		-7.5	20
Methyl t-Butyl Ether	A	100.0	95.77	0.5588643	0.5352397		-4.2	20
n-Propylbenzene	A	100.0	104.3	2.14911	2.24117		4.3	20
Styrene	A	100.0	104.4	1.566659	1.636015		4.4	20
1,1,2,2-Tetrachloroethane	A	100.0	109.9	0.6360206	0.699001	0.3	9.9	20
1,1,1,2-Tetrachloroethane	A	100.0	108.4	0.5250825	0.5692935		8.4	20
Tetrachloroethene	A	100.0	111.3	0.6010461	0.6690534		11.3	20
Toluene	A	100.0	100.9	1.295232	1.306598		0.9	20
1,2,3-Trichlorobenzene	A	100.0	91.46	0.5415514	0.4952941		-8.5	20
1,2,4-Trichlorobenzene	A	100.0	102.9	0.5991079	0.6166122		2.9	20
1,1,2-Trichloroethane	A	100.0	109.1	0.4520895	0.4933514		9.1	20
1,1,1-Trichloroethane	A	100.0	104.6	0.2879639	0.3012795		4.6	20
Trichloroethene	A	100.0	107.2	0.2300998	0.2467468		7.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0131CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03201	Injection Date:	01/31/12
Lab Sample ID:	2B03201-CCV1	Injection Time:	11:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	106.2	0.3114376	0.3308792		6.2	20
1,2,3-Trichloropropane	A	100.0	103.8	0.1622454	0.1684139		3.8	20
1,3,5-Trimethylbenzene	A	100.0	103.8	1.496877	1.553567		3.8	20
1,2,4-Trimethylbenzene	A	100.0	102.1	1.545838	1.578016		2.1	20
Vinyl chloride	A	100.0	106.0	0.1897108	0.2011427		6.0	20
Xylenes (total)	A	300.0	298.8	1.751605	1.744355		-0.4	20
Bromofluorobenzene	A	30.00	32.32	0.9167457	0.9875603		7.7	20
Dibromofluoromethane	A	30.00	31.19	0.2896803	0.3011549		4.0	20
1,2-Dichloroethane-d4	A	30.00	30.04	5.843723E-02	5.851799E-02		0.1	20
Toluene-d8	A	30.00	32.84	2.297298	2.514887		9.5	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0201CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03304	Injection Date:	02/01/12
Lab Sample ID:	2B03304-CCV1	Injection Time:	08:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	225.4	7.637201E-02	7.341805E-02		12.7	20
Benzene	A	100.0	98.32	0.8265245	0.8126672		-1.7	20
Bromobenzene	A	100.0	95.51	0.6547124	0.6253432		-4.5	20
Bromochloromethane	A	100.0	103.3	0.1344402	0.1389404		3.3	20
Bromodichloromethane	A	100.0	98.28	0.2947954	0.2897386		-1.7	20
Bromoform	A	100.0	114.6	0.4571078	0.5236769	0.1	14.6	20
Bromomethane	A	100.0	81.10	0.1882716	0.1526829		-18.9	20
n-Butylbenzene	A	100.0	90.13	1.261999	1.137405		-9.9	20
2-Butanone	A	200.0	173.4	0.123359	0.1069868		-13.3	20
sec-Butylbenzene	A	100.0	88.79	1.677247	1.489216		-11.2	20
tert-Butylbenzene	A	100.0	93.28	1.370972	1.278829		-6.7	20
Carbon disulfide	A	100.0	95.94	0.7280875	0.6984915		-4.1	20
Carbon tetrachloride	A	100.0	103.5	0.2413759	0.2498983		3.5	20
Chlorobenzene	A	100.0	100.9	1.462044	1.47508	0.3	0.9	20
Chloroethane	A	100.0	106.6	0.1618473	0.1725605		6.6	20
Chloroform	A	100.0	92.12	0.4026666	0.3709393		-7.9	20
Chloromethane	A	100.0	75.52	0.2830523	0.2137565	0.1	-24.5	20 *
2-Chlorotoluene	A	100.0	84.55	1.430396	1.209364		-15.5	20
4-Chlorotoluene	A	100.0	89.99	1.654685	1.489055		-10.0	20
Dibromochloromethane	A	100.0	106.8	0.6534156	0.6980531		6.8	20
1,2-Dibromo-3-chloropropane	A	100.0	96.29	0.1325364	0.1276223		-3.7	20
1,2-Dibromoethane (EDB)	A	100.0	100.8	0.5969753	0.6016489		0.8	20
Dibromomethane	A	100.0	98.52	0.1648794	0.162443		-1.5	20
1,2-Dichlorobenzene	A	100.0	91.17	1.037515	0.945886		-8.8	20
1,3-Dichlorobenzene	A	100.0	93.67	1.076644	1.008452		-6.3	20
1,4-Dichlorobenzene	A	100.0	94.32	1.078006	1.016803		-5.7	20
Dichlorodifluoromethane	A	100.0	92.82	0.2235251	0.2074858		-7.2	20
1,1-Dichloroethane	A	100.0	96.80	0.4118324	0.3986615	0.1	-3.2	20
1,2-Dichloroethane	A	100.0	92.73	0.2830731	0.2624932		-7.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0201CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03304	Injection Date:	02/01/12
Lab Sample ID:	2B03304-CCV1	Injection Time:	08:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.63	0.2185869	0.2112139		-3.4	20
cis-1,2-Dichloroethene	A	100.0	99.57	0.2422412	0.241196		-0.4	20
trans-1,2-Dichloroethene	A	100.0	98.82	0.2320514	0.2293223		-1.2	20
1,2-Dichloropropane	A	100.0	99.20	0.2403732	0.2384516		-0.8	20
1,3-Dichloropropane	A	100.0	97.36	0.8578349	0.835211		-2.6	20
2,2-Dichloropropane	A	100.0	95.96	0.2781471	0.2669085		-4.0	20
1,1-Dichloropropene	A	100.0	99.19	0.2943421	0.2919633		-0.8	20
cis-1,3-Dichloropropene	A	100.0	98.29	0.3513351	0.3453404		-1.7	20
trans-1,3-Dichloropropene	A	100.0	88.35	0.8709479	0.7694539		-11.7	20
Ethylbenzene	A	100.0	99.78	2.288806	2.283834		-0.2	20
Hexachlorobutadiene	A	100.0	74.62	0.2640917	0.1970631		-25.4	20 *
2-Hexanone	A	200.0	189.3	0.4098624	0.3879125		-5.4	20
Isopropylbenzene	A	100.0	98.04	1.822222	1.786506		-2.0	20
p-Isopropyltoluene	A	100.0	90.87	1.414782	1.285656		-9.1	20
Methylene chloride	A	100.0	96.94	0.2623936	0.2543513		-3.1	20
Naphthalene	A	100.0	84.98	1.29684	1.102121		-15.0	20
4-Methyl-2-pentanone	A	200.0	179.9	0.2232636	0.2008549		-10.0	20
Methyl t-Butyl Ether	A	100.0	90.09	0.5588643	0.5034966		-9.9	20
n-Propylbenzene	A	100.0	90.12	2.14911	1.936862		-9.9	20
Styrene	A	100.0	102.8	1.566659	1.610864		2.8	20
1,1,2,2-Tetrachloroethane	A	100.0	94.31	0.6360206	0.5998546	0.3	-5.7	20
1,1,1,2-Tetrachloroethane	A	100.0	105.8	0.5250825	0.5554288		5.8	20
Tetrachloroethene	A	100.0	107.6	0.6010461	0.6469718		7.6	20
Toluene	A	100.0	96.66	1.295232	1.251942		-3.3	20
1,2,3-Trichlorobenzene	A	100.0	79.80	0.5415514	0.432143		-20.2	20 *
1,2,4-Trichlorobenzene	A	100.0	87.77	0.5991079	0.5258371		-12.2	20
1,1,2-Trichloroethane	A	100.0	104.1	0.4520895	0.470836		4.1	20
1,1,1-Trichloroethane	A	100.0	97.74	0.2879639	0.2814629		-2.3	20
Trichloroethene	A	100.0	101.6	0.2300998	0.2337352		1.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0201CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03304	Injection Date:	02/01/12
Lab Sample ID:	2B03304-CCV1	Injection Time:	08:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	103.4	0.3114376	0.3220369		3.4	20
1,2,3-Trichloropropane	A	100.0	101.8	0.1622454	0.1651125		1.8	20
1,3,5-Trimethylbenzene	A	100.0	92.07	1.496877	1.378191		-7.9	20
1,2,4-Trimethylbenzene	A	100.0	91.72	1.545838	1.417793		-8.3	20
Vinyl chloride	A	100.0	109.9	0.1897108	0.2084312		9.9	20
Xylenes (total)	A	300.0	291.4	1.751605	1.701611		-2.9	20
Bromofluorobenzene	A	30.00	34.59	0.9167457	1.057078		15.3	20
Dibromofluoromethane	A	30.00	32.17	0.2896803	0.3106363		7.2	20
1,2-Dichloroethane-d4	A	30.00	32.67	5.843723E-02	6.363953E-02		8.9	20
Toluene-d8	A	30.00	33.24	2.297298	2.545858		10.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0202CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03401	Injection Date:	02/02/12
Lab Sample ID:	2B03401-CCV1	Injection Time:	07:38

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	310.6	7.637201E-02	0.1010529		55.3	20 *
Benzene	A	100.0	100.7	0.8265245	0.8323976		0.7	20
Bromobenzene	A	100.0	101.6	0.6547124	0.6649289		1.6	20
Bromochloromethane	A	100.0	103.5	0.1344402	0.1391455		3.5	20
Bromodichloromethane	A	100.0	100.8	0.2947954	0.2970986		0.8	20
Bromoform	A	100.0	110.8	0.4571078	0.5066706	0.1	10.8	20
Bromomethane	A	100.0	89.93	0.1882716	0.1693207		-10.1	20
n-Butylbenzene	A	100.0	97.41	1.261999	1.2293		-2.6	20
2-Butanone	A	200.0	190.5	0.123359	0.1175065		-4.7	20
sec-Butylbenzene	A	100.0	97.79	1.677247	1.640221		-2.2	20
tert-Butylbenzene	A	100.0	97.38	1.370972	1.335066		-2.6	20
Carbon disulfide	A	100.0	98.73	0.7280875	0.718849		-1.3	20
Carbon tetrachloride	A	100.0	108.6	0.2413759	0.262236		8.6	20
Chlorobenzene	A	100.0	101.8	1.462044	1.48793	0.3	1.8	20
Chloroethane	A	100.0	106.0	0.1618473	0.1716511		6.1	20
Chloroform	A	100.0	92.57	0.4026666	0.3727369		-7.4	20
Chloromethane	A	100.0	81.77	0.2830523	0.2314462	0.1	-18.2	20
2-Chlorotoluene	A	100.0	97.21	1.430396	1.390445		-2.8	20
4-Chlorotoluene	A	100.0	96.37	1.654685	1.594602		-3.6	20
Dibromochloromethane	A	100.0	102.6	0.6534156	0.6700918		2.6	20
1,2-Dibromo-3-chloropropane	A	100.0	97.02	0.1325364	0.1285875		-3.0	20
1,2-Dibromoethane (EDB)	A	100.0	100.5	0.5969753	0.6000666		0.5	20
Dibromomethane	A	100.0	99.58	0.1648794	0.1641892		-0.4	20
1,2-Dichlorobenzene	A	100.0	100.1	1.037515	1.038892		0.1	20
1,3-Dichlorobenzene	A	100.0	96.59	1.076644	1.039933		-3.4	20
1,4-Dichlorobenzene	A	100.0	98.62	1.078006	1.063169		-1.4	20
Dichlorodifluoromethane	A	100.0	102.1	0.2235251	0.2282514		2.1	20
1,1-Dichloroethane	A	100.0	99.38	0.4118324	0.4092625	0.1	-0.6	20
1,2-Dichloroethane	A	100.0	93.90	0.2830731	0.2658112		-6.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0202CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03401	Injection Date:	02/02/12
Lab Sample ID:	2B03401-CCV1	Injection Time:	07:38

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	101.0	0.2185869	0.2207179		1.0	20
cis-1,2-Dichloroethene	A	100.0	101.4	0.2422412	0.2456658		1.4	20
trans-1,2-Dichloroethene	A	100.0	100.9	0.2320514	0.234057		0.9	20
1,2-Dichloropropane	A	100.0	98.23	0.2403732	0.2361118		-1.8	20
1,3-Dichloropropane	A	100.0	96.25	0.8578349	0.8256581		-3.8	20
2,2-Dichloropropane	A	100.0	100.6	0.2781471	0.2798794		0.6	20
1,1-Dichloropropene	A	100.0	101.5	0.2943421	0.298712		1.5	20
cis-1,3-Dichloropropene	A	100.0	101.2	0.3513351	0.3556189		1.2	20
trans-1,3-Dichloropropene	A	100.0	87.34	0.8709479	0.7606689		-12.7	20
Ethylbenzene	A	100.0	100.0	2.288806	2.289273		0.02	20
Hexachlorobutadiene	A	100.0	82.04	0.2640917	0.216666		-18.0	20
2-Hexanone	A	200.0	187.8	0.4098624	0.3848601		-6.1	20
Isopropylbenzene	A	100.0	104.4	1.822222	1.902871		4.4	20
p-Isopropyltoluene	A	100.0	90.56	1.414782	1.281206		-9.4	20
Methylene chloride	A	100.0	97.69	0.2623936	0.2563376		-2.3	20
Naphthalene	A	100.0	84.50	1.29684	1.095798		-15.5	20
4-Methyl-2-pentanone	A	200.0	169.8	0.2232636	0.1895477		-15.1	20
Methyl t-Butyl Ether	A	100.0	91.70	0.5588643	0.5124725		-8.3	20
n-Propylbenzene	A	100.0	98.23	2.14911	2.111082		-1.8	20
Styrene	A	100.0	99.12	1.566659	1.552942		-0.9	20
1,1,2,2-Tetrachloroethane	A	100.0	95.37	0.6360206	0.6065927	0.3	-4.6	20
1,1,1,2-Tetrachloroethane	A	100.0	104.5	0.5250825	0.5485072		4.5	20
Tetrachloroethene	A	100.0	105.6	0.6010461	0.6346042		5.6	20
Toluene	A	100.0	95.06	1.295232	1.231306		-4.9	20
1,2,3-Trichlorobenzene	A	100.0	78.63	0.5415514	0.425814		-21.4	20 *
1,2,4-Trichlorobenzene	A	100.0	92.71	0.5991079	0.5554546		-7.3	20
1,1,2-Trichloroethane	A	100.0	101.8	0.4520895	0.460117		1.8	20
1,1,1-Trichloroethane	A	100.0	102.3	0.2879639	0.2946174		2.3	20
Trichloroethene	A	100.0	103.8	0.2300998	0.2387498		3.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0202CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03401	Injection Date:	02/02/12
Lab Sample ID:	2B03401-CCV1	Injection Time:	07:38

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	105.9	0.3114376	0.3299667		5.9	20
1,2,3-Trichloropropane	A	100.0	100.5	0.1622454	0.1631333		0.5	20
1,3,5-Trimethylbenzene	A	100.0	99.10	1.496877	1.483355		-0.9	20
1,2,4-Trimethylbenzene	A	100.0	95.97	1.545838	1.483605		-4.0	20
Vinyl chloride	A	100.0	110.1	0.1897108	0.208916		10.1	20
Xylenes (total)	A	300.0	279.8	1.751605	1.633755		-6.7	20
Bromofluorobenzene	A	30.00	32.54	0.9167457	0.9942143		8.5	20
Dibromofluoromethane	A	30.00	31.24	0.2896803	0.3016866		4.1	20
1,2-Dichloroethane-d4	A	30.00	32.70	5.843723E-02	0.0636959		9.0	20
Toluene-d8	A	30.00	31.51	2.297298	2.413069		5.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0203CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03703	Injection Date:	02/03/12
Lab Sample ID:	2B03703-CCV1	Injection Time:	07:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	343.2	7.637201E-02	0.1116338		71.6	20 *
Benzene	A	100.0	104.6	0.8265245	0.8642822		4.6	20
Bromobenzene	A	100.0	103.3	0.6547124	0.6765074		3.3	20
Bromochloromethane	A	100.0	107.8	0.1344402	0.1449876		7.8	20
Bromodichloromethane	A	100.0	105.4	0.2947954	0.3106783		5.4	20
Bromoform	A	100.0	114.4	0.4571078	0.5230554	0.1	14.4	20
Bromomethane	A	100.0	92.39	0.1882716	0.1739531		-7.6	20
n-Butylbenzene	A	100.0	95.96	1.261999	1.210989		-4.0	20
2-Butanone	A	200.0	219.5	0.123359	0.135401		9.8	20
sec-Butylbenzene	A	100.0	96.59	1.677247	1.620135		-3.4	20
tert-Butylbenzene	A	100.0	94.80	1.370972	1.299638		-5.2	20
Carbon disulfide	A	100.0	107.1	0.7280875	0.7800086		7.1	20
Carbon tetrachloride	A	100.0	112.8	0.2413759	0.2722321		12.8	20
Chlorobenzene	A	100.0	100.8	1.462044	1.474554	0.3	0.9	20
Chloroethane	A	100.0	108.6	0.1618473	0.1758027		8.6	20
Chloroform	A	100.0	94.72	0.4026666	0.3813969		-5.3	20
Chloromethane	A	100.0	81.73	0.2830523	0.2313378	0.1	-18.3	20
2-Chlorotoluene	A	100.0	94.67	1.430396	1.354116		-5.3	20
4-Chlorotoluene	A	100.0	96.07	1.654685	1.589715		-3.9	20
Dibromochloromethane	A	100.0	108.7	0.6534156	0.7101427		8.7	20
1,2-Dibromo-3-chloropropane	A	100.0	101.2	0.1325364	0.1341162		1.2	20
1,2-Dibromoethane (EDB)	A	100.0	104.2	0.5969753	0.6220204		4.2	20
Dibromomethane	A	100.0	104.6	0.1648794	0.1725071		4.6	20
1,2-Dichlorobenzene	A	100.0	98.34	1.037515	1.02031		-1.7	20
1,3-Dichlorobenzene	A	100.0	99.79	1.076644	1.074361		-0.2	20
1,4-Dichlorobenzene	A	100.0	97.98	1.078006	1.056245		-2.0	20
Dichlorodifluoromethane	A	100.0	103.2	0.2235251	0.230715		3.2	20
1,1-Dichloroethane	A	100.0	105.3	0.4118324	0.4338444	0.1	5.3	20
1,2-Dichloroethane	A	100.0	98.20	0.2830731	0.2779896		-1.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0203CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03703	Injection Date:	02/03/12
Lab Sample ID:	2B03703-CCV1	Injection Time:	07:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	105.0	0.2185869	0.2294089		5.0	20
cis-1,2-Dichloroethene	A	100.0	102.0	0.2422412	0.2469806		2.0	20
trans-1,2-Dichloroethene	A	100.0	103.8	0.2320514	0.2408435		3.8	20
1,2-Dichloropropane	A	100.0	100.8	0.2403732	0.2422787		0.8	20
1,3-Dichloropropane	A	100.0	102.0	0.8578349	0.8750413		2.0	20
2,2-Dichloropropane	A	100.0	100.0	0.2781471	0.278306		0.06	20
1,1-Dichloropropene	A	100.0	100.5	0.2943421	0.2958268		0.5	20
cis-1,3-Dichloropropene	A	100.0	102.8	0.3513351	0.3613348		2.8	20
trans-1,3-Dichloropropene	A	100.0	95.62	0.8709479	0.8327621		-4.4	20
Ethylbenzene	A	100.0	96.82	2.288806	2.216046		-3.2	20
Hexachlorobutadiene	A	100.0	84.66	0.2640917	0.2235662		-15.3	20
2-Hexanone	A	200.0	210.1	0.4098624	0.4305088		5.0	20
Isopropylbenzene	A	100.0	101.6	1.822222	1.85086		1.6	20
p-Isopropyltoluene	A	100.0	95.14	1.414782	1.346003		-4.9	20
Methylene chloride	A	100.0	101.1	0.2623936	0.2654004		1.1	20
Naphthalene	A	100.0	88.05	1.29684	1.141919		-11.9	20
4-Methyl-2-pentanone	A	200.0	189.1	0.2232636	0.2110909		-5.5	20
Methyl t-Butyl Ether	A	100.0	94.75	0.5588643	0.5295265		-5.2	20
n-Propylbenzene	A	100.0	94.38	2.14911	2.028302		-5.6	20
Styrene	A	100.0	102.9	1.566659	1.612297		2.9	20
1,1,2,2-Tetrachloroethane	A	100.0	99.18	0.6360206	0.6307891	0.3	-0.8	20
1,1,1,2-Tetrachloroethane	A	100.0	107.2	0.5250825	0.5630305		7.2	20
Tetrachloroethene	A	100.0	108.1	0.6010461	0.6495964		8.1	20
Toluene	A	100.0	97.46	1.295232	1.262304		-2.5	20
1,2,3-Trichlorobenzene	A	100.0	83.37	0.5415514	0.4514778		-16.6	20
1,2,4-Trichlorobenzene	A	100.0	93.37	0.5991079	0.5593853		-6.6	20
1,1,2-Trichloroethane	A	100.0	103.4	0.4520895	0.467537		3.4	20
1,1,1-Trichloroethane	A	100.0	101.7	0.2879639	0.2929616		1.7	20
Trichloroethene	A	100.0	106.0	0.2300998	0.244039		6.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0203CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03703	Injection Date:	02/03/12
Lab Sample ID:	2B03703-CCV1	Injection Time:	07:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	107.5	0.3114376	0.3348339		7.5	20
1,2,3-Trichloropropane	A	100.0	104.4	0.1622454	0.1694058		4.4	20
1,3,5-Trimethylbenzene	A	100.0	96.84	1.496877	1.449584		-3.2	20
1,2,4-Trimethylbenzene	A	100.0	95.76	1.545838	1.480225		-4.2	20
Vinyl chloride	A	100.0	97.10	0.1897108	0.1842175		-2.9	20
Xylenes (total)	A	300.0	281.9	1.751605	1.646947		-6.0	20
Bromofluorobenzene	A	30.00	32.90	0.9167457	1.00523		9.7	20
Dibromofluoromethane	A	30.00	31.83	0.2896803	0.3073235		6.1	20
1,2-Dichloroethane-d4	A	30.00	31.84	5.843723E-02	6.201586E-02		6.1	20
Toluene-d8	A	30.00	31.33	2.297298	2.398984		4.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0206CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03804	Injection Date:	02/06/12
Lab Sample ID:	2B03804-CCV1	Injection Time:	07:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	302.3	7.637201E-02	9.836668E-02		51.2	20 *
Benzene	A	100.0	94.25	0.8265245	0.7789766		-5.8	20
Bromobenzene	A	100.0	97.45	0.6547124	0.6380121		-2.6	20
Bromochloromethane	A	100.0	100.0	0.1344402	0.1345179		0.06	20
Bromodichloromethane	A	100.0	99.50	0.2947954	0.2933387		-0.5	20
Bromoform	A	100.0	107.8	0.4571078	0.49274	0.1	7.8	20
Bromomethane	A	100.0	83.14	0.1882716	0.1565316		-16.9	20
n-Butylbenzene	A	100.0	90.53	1.261999	1.142441		-9.5	20
2-Butanone	A	200.0	192.8	0.123359	0.1189062		-3.6	20
sec-Butylbenzene	A	100.0	91.58	1.677247	1.536104		-8.4	20
tert-Butylbenzene	A	100.0	88.50	1.370972	1.213323		-11.5	20
Carbon disulfide	A	100.0	97.26	0.7280875	0.7081113		-2.7	20
Carbon tetrachloride	A	100.0	101.4	0.2413759	0.2446384		1.4	20
Chlorobenzene	A	100.0	98.71	1.462044	1.443242	0.3	-1.3	20
Chloroethane	A	100.0	93.69	0.1618473	0.1516419		-6.3	20
Chloroform	A	100.0	90.36	0.4026666	0.3638374		-9.6	20
Chloromethane	A	100.0	73.55	0.2830523	0.2081807	0.1	-26.5	20 *
2-Chlorotoluene	A	100.0	88.51	1.430396	1.265995		-11.5	20
4-Chlorotoluene	A	100.0	92.55	1.654685	1.531469		-7.4	20
Dibromochloromethane	A	100.0	102.8	0.6534156	0.6720834		2.9	20
1,2-Dibromo-3-chloropropane	A	100.0	96.55	0.1325364	0.1279672		-3.4	20
1,2-Dibromoethane (EDB)	A	100.0	95.46	0.5969753	0.569894		-4.5	20
Dibromomethane	A	100.0	97.73	0.1648794	0.1611419		-2.3	20
1,2-Dichlorobenzene	A	100.0	94.19	1.037515	0.9772052		-5.8	20
1,3-Dichlorobenzene	A	100.0	93.81	1.076644	1.010026		-6.2	20
1,4-Dichlorobenzene	A	100.0	94.83	1.078006	1.022241		-5.2	20
Dichlorodifluoromethane	A	100.0	91.53	0.2235251	0.204592		-8.5	20
1,1-Dichloroethane	A	100.0	94.74	0.4118324	0.3901896	0.1	-5.3	20
1,2-Dichloroethane	A	100.0	92.74	0.2830731	0.2625316		-7.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0206CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03804	Injection Date:	02/06/12
Lab Sample ID:	2B03804-CCV1	Injection Time:	07:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	91.16	0.2185869	0.1992744		-8.8	20
cis-1,2-Dichloroethene	A	100.0	94.90	0.2422412	0.2298757		-5.1	20
trans-1,2-Dichloroethene	A	100.0	94.44	0.2320514	0.2191606		-5.6	20
1,2-Dichloropropane	A	100.0	95.24	0.2403732	0.228944		-4.8	20
1,3-Dichloropropane	A	100.0	93.48	0.8578349	0.8018907		-6.5	20
2,2-Dichloropropane	A	100.0	92.47	0.2781471	0.2572011		-7.5	20
1,1-Dichloropropene	A	100.0	91.13	0.2943421	0.2682227		-8.9	20
cis-1,3-Dichloropropene	A	100.0	96.08	0.3513351	0.3375598		-3.9	20
trans-1,3-Dichloropropene	A	100.0	91.48	0.8709479	0.7967454		-8.5	20
Ethylbenzene	A	100.0	92.33	2.288806	2.113281		-7.7	20
Hexachlorobutadiene	A	100.0	74.60	0.2640917	0.1970114		-25.4	20 *
2-Hexanone	A	200.0	194.6	0.4098624	0.3988835		-2.7	20
Isopropylbenzene	A	100.0	91.02	1.822222	1.658677		-9.0	20
p-Isopropyltoluene	A	100.0	90.44	1.414782	1.279486		-9.6	20
Methylene chloride	A	100.0	93.30	0.2623936	0.2448099		-6.7	20
Naphthalene	A	100.0	81.37	1.29684	1.055248		-18.6	20
4-Methyl-2-pentanone	A	200.0	171.4	0.2232636	0.1913071		-14.3	20
Methyl t-Butyl Ether	A	100.0	89.58	0.5588643	0.500649		-10.4	20
n-Propylbenzene	A	100.0	90.54	2.14911	1.945811		-9.5	20
Styrene	A	100.0	95.92	1.566659	1.502724		-4.1	20
1,1,2,2-Tetrachloroethane	A	100.0	90.62	0.6360206	0.5763537	0.3	-9.4	20
1,1,1,2-Tetrachloroethane	A	100.0	101.5	0.5250825	0.5327926		1.5	20
Tetrachloroethene	A	100.0	99.00	0.6010461	0.5950501		-1.0	20
Toluene	A	100.0	92.02	1.295232	1.191894		-8.0	20
1,2,3-Trichlorobenzene	A	100.0	78.76	0.5415514	0.4265097		-21.2	20 *
1,2,4-Trichlorobenzene	A	100.0	90.68	0.5991079	0.5432677		-9.3	20
1,1,2-Trichloroethane	A	100.0	96.35	0.4520895	0.435573		-3.7	20
1,1,1-Trichloroethane	A	100.0	93.41	0.2879639	0.2689864		-6.6	20
Trichloroethene	A	100.0	99.28	0.2300998	0.2284494		-0.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0206CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B03804	Injection Date:	02/06/12
Lab Sample ID:	2B03804-CCV1	Injection Time:	07:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	95.47	0.3114376	0.2973244		-4.5	20
1,2,3-Trichloropropane	A	100.0	95.33	0.1622454	0.1546663		-4.7	20
1,3,5-Trimethylbenzene	A	100.0	91.80	1.496877	1.374185		-8.2	20
1,2,4-Trimethylbenzene	A	100.0	90.11	1.545838	1.39295		-9.9	20
Vinyl chloride	A	100.0	86.42	0.1897108	0.1639573		-13.6	20
Xylenes (total)	A	300.0	267.2	1.751605	1.560407		-10.9	20
Bromofluorobenzene	A	30.00	33.18	0.9167457	1.014045		10.6	20
Dibromofluoromethane	A	30.00	32.09	0.2896803	0.3098531		7.0	20
1,2-Dichloroethane-d4	A	30.00	32.21	5.843723E-02	6.274982E-02		7.4	20
Toluene-d8	A	30.00	32.90	2.297298	2.519399		9.7	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_042

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

Matrix: Laboratory ID: 2A31015-BLK1 File ID: 0131BLK1.D

Sampled: Prepared: Analyzed: 01/31/12 15:24

Solids: Preparation: 5030B Dilution:

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2A31015-BLK1 File ID: 0131BLK1.D

Sampled: Prepared: Analyzed: 01/31/12 15:24

Solids: Preparation: 5030B Dilution:

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.50	102	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.21	104	70 - 120	
Toluene-d8	30.00	30.25	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2A31015-BS1 File ID: 0131LCS1.D

Sampled: Prepared: Analyzed: 01/31/12 11:53

Solids: Preparation: 5030B Dilution:

Batch: 2A31015 Sequence: 2B03201 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	163	2.50	5.00	10.0	X
71-43-2	Benzene	52.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.0	0.250	0.500	1.00	
75-25-2	Bromoform	56.4	0.250	0.500	1.00	
74-83-9	Bromomethane	47.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.5	0.250	0.500	1.00	
78-93-3	2-Butanone	106	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.6	0.250	0.500	1.00	
75-00-3	Chloroethane	57.9	0.500	1.00	2.00	
67-66-3	Chloroform	48.2	0.250	0.500	1.00	
74-87-3	Chloromethane	39.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	51.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	48.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	55.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	44.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	45.3	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2A31015-BS1
File ID: 0131LCS1.D
Sampled:
Prepared:
Analyzed: 01/31/12 11:53
Solids:
Preparation: 5030B
Dilution:
Batch: 2A31015
Sequence: 2B03201
Calibration: 2011004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	103	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.5	0.500	1.00	2.00	
91-20-3	Naphthalene	52.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	91.6	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.6	0.250	0.500	1.00	
100-42-5	Styrene	53.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.5	0.250	0.500	1.00	
108-88-3	Toluene	52.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	49.9	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	62.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	155	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.97	107	75 - 120	
Dibromofluoromethane	30.00	30.99	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.61	102	70 - 120	
Toluene-d8	30.00	31.84	106	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B01012-BLK1 File ID: 0201BLK1.D

Sampled: Prepared: Analyzed: 02/01/12 10:03

Solids: Preparation: 5030B Dilution:

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B01012-BLK1 File ID: 0201BLK1.D

Sampled: Prepared: Analyzed: 02/01/12 10:03

Solids: Preparation: 5030B Dilution:

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.287	0.250	0.500	1.00	J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene	0.307	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.06	104	75 - 120	
Dibromofluoromethane	30.00	31.34	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.92	106	70 - 120	
Toluene-d8	30.00	31.57	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B01012-BS1 File ID: 0201LCS1.D

Sampled: Prepared: Analyzed: 02/01/12 08:39

Solids: Preparation: 5030B Dilution:

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	96.5	2.50	5.00	10.0	
71-43-2	Benzene	52.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.2	0.250	0.500	1.00	
75-25-2	Bromoform	57.2	0.250	0.500	1.00	
74-83-9	Bromomethane	42.7	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.0	0.250	0.500	1.00	
78-93-3	2-Butanone	84.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	46.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.9	0.250	0.500	1.00	
75-00-3	Chloroethane	54.3	0.500	1.00	2.00	
67-66-3	Chloroform	45.7	0.250	0.500	1.00	
74-87-3	Chloromethane	35.2	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	49.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.7	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.6	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	47.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	43.4	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	48.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	46.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	48.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.1	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B01012-BS1
File ID: 0201LCS1.D
Sampled:
Prepared:
Analyzed: 02/01/12 08:39
Solids:
Preparation: 5030B
Dilution:
Batch: 2B01012
Sequence: 2B03304
Calibration: 2011004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	91.2	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.5	0.500	1.00	2.00	
91-20-3	Naphthalene	48.2	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	90.7	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.4	0.250	0.500	1.00	
100-42-5	Styrene	50.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.1	0.250	0.500	1.00	
108-88-3	Toluene	51.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	45.4	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	49.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	150	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.90	110	75 - 120	
Dibromofluoromethane	30.00	31.17	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.83	106	70 - 120	
Toluene-d8	30.00	32.72	109	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B01012-BSD1 File ID: 0201LCD1.D

Sampled: Prepared: Analyzed: 02/01/12 19:20

Solids: Preparation: 5030B Dilution:

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	117	2.50	5.00	10.0	
71-43-2	Benzene	52.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.9	0.250	0.500	1.00	
75-25-2	Bromoform	56.5	0.250	0.500	1.00	
74-83-9	Bromomethane	41.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.1	0.250	0.500	1.00	
78-93-3	2-Butanone	91.4	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.2	0.250	0.500	1.00	
75-00-3	Chloroethane	58.0	0.500	1.00	2.00	
67-66-3	Chloroform	48.3	0.250	0.500	1.00	
74-87-3	Chloromethane	41.8	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	48.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	52.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	45.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	44.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.3	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	42.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	37.0	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B01012-BSD1 File ID: 0201LCD1.D

Sampled: Prepared: Analyzed: 02/01/12 19:20

Solids: Preparation: 5030B Dilution:

Batch: 2B01012 Sequence: 2B03304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	95.5	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.1	0.500	1.00	2.00	
91-20-3	Naphthalene	43.4	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	97.3	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.8	0.250	0.500	1.00	
100-42-5	Styrene	50.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.3	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.7	0.250	0.500	1.00	
108-88-3	Toluene	51.3	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	38.1	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	44.4	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	52.6	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	53.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.7	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	31.53	105	75 - 120	
Dibromofluoromethane	30.00	30.66	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.04	103	70 - 120	
Toluene-d8	30.00	30.96	103	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02005-BLK1 File ID: 0202BLK1.D

Sampled: Prepared: Analyzed: 02/02/12 09:31

Solids: Preparation: 5030B Dilution:

Batch: 2B02005 Sequence: 2B03401 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02005-BLK1 File ID: 0202BLK1.D

Sampled: Prepared: Analyzed: 02/02/12 09:31

Solids: Preparation: 5030B Dilution:

Batch: 2B02005 Sequence: 2B03401 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.291	0.250	0.500	1.00	J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene	0.270	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.21	101	75 - 120	
Dibromofluoromethane	30.00	31.45	105	85 - 115	
1,2-Dichloroethane-d4	30.00	32.42	108	70 - 120	
Toluene-d8	30.00	30.58	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02005-BS1 File ID: 0202LCS1.D

Sampled: Prepared: Analyzed: 02/02/12 08:07

Solids: Preparation: 5030B Dilution:

Batch: 2B02005 Sequence: 2B03401 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	157	2.50	5.00	10.0	X
71-43-2	Benzene	50.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.8	0.250	0.500	1.00	
75-25-2	Bromoform	57.1	0.250	0.500	1.00	
74-83-9	Bromomethane	46.1	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.3	0.250	0.500	1.00	
78-93-3	2-Butanone	101	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.0	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.5	0.250	0.500	1.00	
75-00-3	Chloroethane	48.4	0.500	1.00	2.00	
67-66-3	Chloroform	46.8	0.250	0.500	1.00	
74-87-3	Chloromethane	39.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	46.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	45.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	45.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	46.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	49.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02005-BS1 File ID: 0202LCS1.D

Sampled: Prepared: Analyzed: 02/02/12 08:07

Solids: Preparation: 5030B Dilution:

Batch: 2B02005 Sequence: 2B03401 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	103	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.9	0.500	1.00	2.00	
91-20-3	Naphthalene	47.4	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	96.2	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	46.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.1	0.250	0.500	1.00	
100-42-5	Styrene	51.4	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.7	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	45.0	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	48.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.5	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	59.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	149	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.96	107	75 - 120	
Dibromofluoromethane	30.00	31.29	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.95	106	70 - 120	
Toluene-d8	30.00	31.25	104	85 - 120	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-BLK1 File ID: 0203BLK1.D

Sampled: Prepared: Analyzed: 02/03/12 10:08

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B03411-BLK1
File ID: 0203BLK1.D
Sampled:
Prepared:
Analyzed: 02/03/12 10:08
Solids:
Preparation: 5030B
Dilution:
Batch: 2B03411
Sequence: 2B03703
Calibration: 2011004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.363	0.250	0.500	1.00	J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene	0.473	0.250	0.500	1.00	J
120-82-1	1,2,4-Trichlorobenzene	0.345	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.93	103	75 - 120	
Dibromofluoromethane	30.00	32.10	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.91	110	70 - 120	
Toluene-d8	30.00	31.59	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-BS1 File ID: 0203LCS1.D

Sampled: Prepared: Analyzed: 02/03/12 08:15

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	179	2.50	5.00	10.0	X
71-43-2	Benzene	50.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.7	0.250	0.500	1.00	
75-25-2	Bromoform	55.6	0.250	0.500	1.00	
74-83-9	Bromomethane	48.5	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.1	0.250	0.500	1.00	
78-93-3	2-Butanone	112	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.1	0.250	0.500	1.00	
75-00-3	Chloroethane	56.4	0.500	1.00	2.00	
67-66-3	Chloroform	46.8	0.250	0.500	1.00	
74-87-3	Chloromethane	39.5	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	46.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	47.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	45.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.3	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	49.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	42.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.0	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-BS1 File ID: 0203LCS1.D

Sampled: Prepared: Analyzed: 02/03/12 08:15

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	110	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	45.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.7	0.500	1.00	2.00	
91-20-3	Naphthalene	47.9	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	98.6	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.0	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	47.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	51.0	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	47.8	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	49.7	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	50.6	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	53.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	48.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	47.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	58.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	143	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.08	104	75 - 120	
Dibromofluoromethane	30.00	31.75	106	85 - 115	
1,2-Dichloroethane-d4	30.00	32.31	108	70 - 120	
Toluene-d8	30.00	31.51	105	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-MS1 File ID: 0200601M.D

Sampled: Prepared: Analyzed: 02/03/12 17:39

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	99.5	2.50	5.00	10.0	Q, X
71-43-2	Benzene	55.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.4	0.250	0.500	1.00	
75-25-2	Bromoform	57.5	0.250	0.500	1.00	
74-83-9	Bromomethane	45.7	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.3	0.250	0.500	1.00	
78-93-3	2-Butanone	89.6	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	46.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	57.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	53.6	0.250	0.500	1.00	
75-00-3	Chloroethane	60.3	0.500	1.00	2.00	
67-66-3	Chloroform	52.1	0.250	0.500	1.00	
74-87-3	Chloromethane	43.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	53.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.6	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	49.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	52.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	51.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	47.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	42.2	0.250	0.500	1.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-MS1 File ID: 0200601M.D

Sampled: Prepared: Analyzed: 02/03/12 17:39

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	94.2	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.4	0.500	1.00	2.00	
91-20-3	Naphthalene	44.7	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	99.1	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.6	0.250	0.500	1.00	
100-42-5	Styrene	51.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.4	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	53.8	0.250	0.500	1.00	
108-88-3	Toluene	55.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	42.4	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	47.2	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	54.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	55.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	57.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	65.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	155	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.23	107	75 - 120	
Dibromofluoromethane	30.00	31.29	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.55	105	70 - 120	
Toluene-d8	30.00	30.97	103	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-MSD1 File ID: 0200601S.D

Sampled: Prepared: Analyzed: 02/03/12 18:07

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	101	2.50	5.00	10.0	Q, X
71-43-2	Benzene	54.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.2	0.250	0.500	1.00	
75-25-2	Bromoform	58.8	0.250	0.500	1.00	
74-83-9	Bromomethane	49.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.8	0.250	0.500	1.00	
78-93-3	2-Butanone	88.7	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.3	0.250	0.500	1.00	
75-00-3	Chloroethane	58.6	0.500	1.00	2.00	
67-66-3	Chloroform	51.1	0.250	0.500	1.00	
74-87-3	Chloromethane	42.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.7	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	55.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	50.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	44.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.5	0.250	0.500	1.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03411-MSD1 File ID: 0200601S.D

Sampled: Prepared: Analyzed: 02/03/12 18:07

Solids: Preparation: 5030B Dilution:

Batch: 2B03411 Sequence: 2B03703 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	92.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.1	0.500	1.00	2.00	
91-20-3	Naphthalene	45.8	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	98.0	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	47.9	0.250	0.500	1.00	
100-42-5	Styrene	52.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.7	0.250	0.500	1.00	
108-88-3	Toluene	54.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	44.9	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	48.1	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	54.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.6	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	50.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	61.7	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	159	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.64	109	75 - 120	
Dibromofluoromethane	30.00	32.06	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.44	108	70 - 120	
Toluene-d8	30.00	31.50	105	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B06017-BLK1 File ID: 0206BLK1.D

Sampled: Prepared: Analyzed: 02/06/12 09:06

Solids: Preparation: 5030B Dilution:

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B06017-BLK1 File ID: 0206BLK1.D

Sampled: Prepared: Analyzed: 02/06/12 09:06

Solids: Preparation: 5030B Dilution:

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.284	0.250	0.500	1.00	J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene	0.258	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.15	101	75 - 120	
Dibromofluoromethane	30.00	31.62	105	85 - 115	
1,2-Dichloroethane-d4	30.00	32.70	109	70 - 120	
Toluene-d8	30.00	31.11	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B06017-BS1 File ID: 0206LCS1.D

Sampled: Prepared: Analyzed: 02/06/12 07:41

Solids: Preparation: 5030B Dilution:

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	164	2.50	5.00	10.0	X
71-43-2	Benzene	49.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.4	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.1	0.250	0.500	1.00	
75-25-2	Bromoform	55.8	0.250	0.500	1.00	
74-83-9	Bromomethane	51.7	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.1	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	42.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.3	0.250	0.500	1.00	
75-00-3	Chloroethane	56.3	0.500	1.00	2.00	
67-66-3	Chloroform	45.2	0.250	0.500	1.00	
74-87-3	Chloromethane	45.4	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	48.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	48.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	45.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	49.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	42.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	46.7	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B06017-BS1 File ID: 0206LCS1.D

Sampled: Prepared: Analyzed: 02/06/12 07:41

Solids: Preparation: 5030B Dilution:

Batch: 2B06017 Sequence: 2B03804 Calibration: 2011004 Instrument: MS-VOA4

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	48.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.4	0.500	1.00	2.00	
91-20-3	Naphthalene	44.5	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	88.5	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	45.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.1	0.250	0.500	1.00	
100-42-5	Styrene	50.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.6	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	43.4	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	45.7	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	50.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	145	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.41	108	75 - 120	
Dibromofluoromethane	30.00	31.29	104	85 - 115	
1,2-Dichloroethane-d4	30.00	33.26	111	70 - 120	
Toluene-d8	30.00	32.24	107	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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
GW0411	01/27/12 13:01	01/28/12 08:25	02/01/12 00:00	N/A	14.00	02/01/12 11:28	4.89	14.00	
GW0465	01/26/12 15:59	01/28/12 08:25	02/02/12 00:00	N/A	14.00	02/02/12 17:03	7.00	14.00	
GW0473	01/26/12 16:25	01/28/12 08:25	02/01/12 00:00	N/A	14.00	02/01/12 14:09	5.86	14.00	
GW0474	01/26/12 16:25	01/28/12 08:25	01/31/12 00:00	N/A	14.00	01/31/12 18:42	5.05	14.00	
GW0494	01/27/12 13:31	01/28/12 08:25	01/31/12 00:00	N/A	14.00	01/31/12 19:10	4.19	14.00	
GW0495	01/27/12 10:56	01/28/12 08:25	02/01/12 00:00	N/A	14.00	02/01/12 14:37	5.11	14.00	
GW8165-TB	01/27/12 08:00	01/28/12 08:25	01/31/12 00:00	N/A	14.00	01/31/12 17:17	4.35	14.00	
GW0409	01/30/12 16:36	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 12:29	3.83	14.00	
GW0422	01/31/12 12:25	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 12:57	3.02	14.00	
GW0423	01/31/12 10:25	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 13:25	3.13	14.00	
GW0424	01/30/12 11:22	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 13:53	4.10	14.00	
GW0436	01/31/12 11:56	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 14:21	3.10	14.00	
GW0437	01/30/12 12:51	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 14:50	4.08	14.00	
GW8041-AB	01/31/12 12:25	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 10:36	2.92	14.00	
GW8166-TB	01/30/12 08:00	02/01/12 08:20	02/03/12 00:00	N/A	14.00	02/03/12 11:04	4.13	14.00	
GW0382	02/01/12 13:47	02/02/12 08:30	02/03/12 00:00	N/A	14.00	02/03/12 15:18	2.02	14.00	
GW0395	01/31/12 15:15	02/02/12 08:30	02/03/12 00:00	N/A	14.00	02/03/12 15:46	2.98	14.00	
GW0435	01/31/12 15:13	02/02/12 08:30	02/03/12 00:00	N/A	14.00	02/03/12 16:14	3.00	14.00	
GW0497	02/01/12 11:05	02/02/12 08:30	02/03/12 00:00	N/A	14.00	02/03/12 16:43	2.19	14.00	
GW8167-TB	02/01/12 08:00	02/02/12 08:30	02/03/12 00:00	N/A	14.00	02/03/12 11:32	2.11	14.00	
GW0400	02/02/12 12:27	02/03/12 08:30	02/06/12 00:00	N/A	14.00	02/06/12 10:31	3.88	14.00	
GW0401	02/02/12 12:27	02/03/12 08:30	02/06/12 00:00	N/A	14.00	02/06/12 11:00	3.90	14.00	
GW0420	02/02/12 11:55	02/03/12 08:30	02/06/12 00:00	N/A	14.00	02/06/12 11:28	3.94	14.00	
GW0421	02/02/12 11:55	02/03/12 08:30	02/06/12 00:00	N/A	14.00	02/06/12 11:56	3.96	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

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
GW0496	02/01/12 15:25	02/03/12 08:30	02/06/12 00:00	N/A	14.00	02/06/12 12:24	4.83	14.00	
GW8168-TB	02/02/12 08:00	02/03/12 08:30	02/06/12 00:00	N/A	14.00	02/06/12 09:35	4.02	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	0119601.D
Sampled:	01/27/12 13:01	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 21:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	X, U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	X, U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	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	Q, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	Q, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	X, U

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	0119601.D
Sampled:	01/27/12 13:01	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 21:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.45	1.23	2.45	4.90	X, J
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	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	X, U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	X, Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.06	73.6	50 - 110	
2-Fluorophenol	98.04	21.39	21.8	20 - 110	
Nitrobenzene-d5	49.02	35.49	72.4	40 - 110	
Phenol-d6	98.04	14.96	15.3	0 - 110	
Terphenyl-d14	49.02	33.39	68.1	50 - 135	
2,4,6-Tribromophenol	98.04	50.17	51.2	40 - 125	

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	0119603.D
Sampled:	01/26/12 15:59	Prepared:	01/30/12 12:15	Analyzed:	02/01/12 01:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone	5.40	1.18	2.36	4.72	
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	X, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, Q, 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	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, 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	X, U

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	0119603.D
Sampled:	01/26/12 15:59	Prepared:	01/30/12 12:15	Analyzed:	02/01/12 01:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	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	X, U
78-59-1	Isophorone	1.87	1.18	2.36	4.72	J
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene	1.74	1.18	2.36	4.72	J
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	X, Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	42.33	89.7	50 - 110	
2-Fluorophenol	94.34	29.50	31.3	20 - 110	
Nitrobenzene-d5	47.17	34.35	72.8	40 - 110	
Phenol-d6	94.34	18.86	20.0	0 - 110	
Terphenyl-d14	47.17	33.60	71.2	50 - 135	
2,4,6-Tribromophenol	94.34	69.45	73.6	40 - 125	

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	0119605.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 22:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	X, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, Q, 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	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, 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	X, U

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	0119605.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 22:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	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	X, U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	X, Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	40.98	86.9	50 - 110	
2-Fluorophenol	94.34	27.27	28.9	20 - 110	
Nitrobenzene-d5	47.17	38.94	82.6	40 - 110	
Phenol-d6	94.34	16.99	18.0	0 - 110	
Terphenyl-d14	47.17	37.70	79.9	50 - 135	
2,4,6-Tribromophenol	94.34	73.27	77.7	40 - 125	

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	0119607.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 23:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	X, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, Q, 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	Q, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	Q, 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	X, U

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	0119607.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 23:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	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	X, U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	X, Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	43.01	91.2	50 - 110	
2-Fluorophenol	94.34	30.82	32.7	20 - 110	
Nitrobenzene-d5	47.17	41.93	88.9	40 - 110	
Phenol-d6	94.34	17.90	19.0	0 - 110	
Terphenyl-d14	47.17	34.27	72.7	50 - 135	
2,4,6-Tribromophenol	94.34	75.62	80.2	40 - 125	

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	0119609.D
Sampled:	01/27/12 13:31	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 23:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	X, U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	X, U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	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	Q, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	Q, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	X, U

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	0119609.D
Sampled:	01/27/12 13:31	Prepared:	01/30/12 12:15	Analyzed:	01/31/12 23:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	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	X, U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	X, Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	33.57	68.5	50 - 110	
2-Fluorophenol	98.04	27.58	28.1	20 - 110	
Nitrobenzene-d5	49.02	32.34	66.0	40 - 110	
Phenol-d6	98.04	16.17	16.5	0 - 110	
Terphenyl-d14	49.02	43.60	88.9	50 - 135	
2,4,6-Tribromophenol	98.04	79.33	80.9	40 - 125	

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	0119611.D
Sampled:	01/27/12 10:56	Prepared:	01/30/12 12:15	Analyzed:	02/01/12 00:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	0119611.D
Sampled:	01/27/12 10:56	Prepared:	01/30/12 12:15	Analyzed:	02/01/12 00:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		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	X, U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Q, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	X, Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	44.64	92.9	50 - 110	
2-Fluorophenol	96.15	27.59	28.7	20 - 110	
Nitrobenzene-d5	48.08	42.35	88.1	40 - 110	
Phenol-d6	96.15	17.60	18.3	0 - 110	
Terphenyl-d14	48.08	42.55	88.5	50 - 135	
2,4,6-Tribromophenol	96.15	67.51	70.2	40 - 125	

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	0200601.D
Sampled:	01/30/12 16:36	Prepared:	02/02/12 10:30	Analyzed:	02/03/12 21:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	Q, U
98-86-2	Acetophenone		1.18	2.36	4.72	Q, U
120-12-7	Anthracene		1.18	2.36	4.72	Q, U
1912-24-9	Atrazine		1.18	2.36	4.72	Q, N, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	Q, N, U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	Q, N, U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	X, Q, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	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	Q, U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	Q, U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, N, U
105-60-2	Caprolactam		1.18	2.36	4.72	N, Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	Q, U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	Q, U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	Q, U
218-01-9	Chrysene		1.18	2.36	4.72	Q, N, U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	X, N, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	Q, U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	Q, N, U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, Q, N, 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	X, U

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	0200601.D
Sampled:	01/30/12 16:36	Prepared:	02/02/12 10:30	Analyzed:	02/03/12 21:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	Q, U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	X, Q, N, 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	X, N, 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	32.28	68.4	50 - 110	
2-Fluorophenol	94.34	24.64	26.1	20 - 110	
Nitrobenzene-d5	47.17	30.88	65.5	40 - 110	
Phenol-d6	94.34	13.17	14.0	0 - 110	
Terphenyl-d14	47.17	45.31	96.1	50 - 135	
2,4,6-Tribromophenol	94.34	74.60	79.1	40 - 125	X

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	0200603.D
Sampled:	01/31/12 12:25	Prepared:	02/02/12 10:30	Analyzed:	02/03/12 23:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	0200603.D
Sampled:	01/31/12 12:25	Prepared:	02/02/12 10:30	Analyzed:	02/03/12 23:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		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	Q, U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	X, Q, U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	X, 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	42.84	89.1	50 - 110	
2-Fluorophenol	96.15	34.21	35.6	20 - 110	
Nitrobenzene-d5	48.08	41.56	86.4	40 - 110	
Phenol-d6	96.15	19.03	19.8	0 - 110	
Terphenyl-d14	48.08	44.23	92.0	50 - 135	
2,4,6-Tribromophenol	96.15	98.35	102	40 - 125	X

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	0200605.D
Sampled:	01/31/12 10:25	Prepared:	02/02/12 10:30	Analyzed:	02/03/12 23:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	Q, U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	Q, U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	Q, X, 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	Q, U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	Q, U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	Q, U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	X, U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	Q, U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	X, U

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	0200605.D
Sampled:	01/31/12 10:25	Prepared:	02/02/12 10:30	Analyzed:	02/03/12 23:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	X, Q, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	X, U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	44.29	90.3	50 - 110	
2-Fluorophenol	98.04	36.80	37.5	20 - 110	
Nitrobenzene-d5	49.02	43.58	88.9	40 - 110	
Phenol-d6	98.04	20.72	21.1	0 - 110	
Terphenyl-d14	49.02	44.45	90.7	50 - 135	
2,4,6-Tribromophenol	98.04	97.11	99.1	40 - 125	X

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	0200607.D
Sampled:	01/30/12 11:22	Prepared:	02/02/12 10:30	Analyzed:	02/04/12 00:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	0200607.D
Sampled:	01/30/12 11:22	Prepared:	02/02/12 10:30	Analyzed:	02/04/12 00:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		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	Q, U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	X, Q, U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	X, 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	44.96	93.5	50 - 110	
2-Fluorophenol	96.15	29.75	30.9	20 - 110	
Nitrobenzene-d5	48.08	44.05	91.6	40 - 110	
Phenol-d6	96.15	18.13	18.9	0 - 110	
Terphenyl-d14	48.08	47.01	97.8	50 - 135	
2,4,6-Tribromophenol	96.15	86.39	89.8	40 - 125	X

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	0200609.D
Sampled:	01/31/12 11:56	Prepared:	02/02/12 10:30	Analyzed:	02/04/12 00:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	0200609.D
Sampled:	01/31/12 11:56	Prepared:	02/02/12 10:30	Analyzed:	02/04/12 00:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.50	1.20	2.40	4.81	J
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	Q, U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	X, Q, U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	X, 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	39.54	82.2	50 - 110	
2-Fluorophenol	96.15	26.44	27.5	20 - 110	
Nitrobenzene-d5	48.08	37.96	79.0	40 - 110	
Phenol-d6	96.15	15.62	16.2	0 - 110	
Terphenyl-d14	48.08	41.73	86.8	50 - 135	
2,4,6-Tribromophenol	96.15	71.96	74.8	40 - 125	X

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	0200611.D
Sampled:	01/30/12 12:51	Prepared:	02/02/12 10:30	Analyzed:	02/04/12 01:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	0200611.D
Sampled:	01/30/12 12:51	Prepared:	02/02/12 10:30	Analyzed:	02/04/12 01:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.65	1.20	2.40	4.81	J
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	Q, U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	X, Q, U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	X, 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	34.16	71.1	50 - 110	
2-Fluorophenol	96.15	26.40	27.5	20 - 110	
Nitrobenzene-d5	48.08	33.10	68.8	40 - 110	
Phenol-d6	96.15	14.47	15.1	0 - 110	
Terphenyl-d14	48.08	46.84	97.4	50 - 135	
2,4,6-Tribromophenol	96.15	79.25	82.4	40 - 125	X

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	0202201.D
Sampled:	02/01/12 13:47	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 16:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	0202201.D
Sampled:	02/01/12 13:47	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 16:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.21	73.9	50 - 110	
2-Fluorophenol	98.04	32.12	32.8	20 - 110	
Nitrobenzene-d5	49.02	34.38	70.1	40 - 110	
Phenol-d6	98.04	17.43	17.8	0 - 110	
Terphenyl-d14	49.02	46.19	94.2	50 - 135	
2,4,6-Tribromophenol	98.04	101.6	104	40 - 125	

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	0202203.D
Sampled:	01/31/12 15:15	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 16:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	0202203.D
Sampled:	01/31/12 15:15	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 16:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	32.80	66.9	50 - 110	
2-Fluorophenol	98.04	28.71	29.3	20 - 110	
Nitrobenzene-d5	49.02	31.18	63.6	40 - 110	
Phenol-d6	98.04	15.61	15.9	0 - 110	
Terphenyl-d14	49.02	57.57	117	50 - 135	
2,4,6-Tribromophenol	98.04	103.6	106	40 - 125	

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05	File ID:	0202205.D
Sampled:	01/31/12 15:13	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 17:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05	File ID:	0202205.D
Sampled:	01/31/12 15:13	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 17:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	27.84	55.7	50 - 110	
2-Fluorophenol	100.0	25.58	25.6	20 - 110	
Nitrobenzene-d5	50.00	25.57	51.1	40 - 110	
Phenol-d6	100.0	14.05	14.0	0 - 110	
Terphenyl-d14	50.00	44.50	89.0	50 - 135	
2,4,6-Tribromophenol	100.0	92.06	92.1	40 - 125	

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	0202207.D
Sampled:	02/01/12 11:05	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 17:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	0202207.D
Sampled:	02/01/12 11:05	Prepared:	02/03/12 11:25	Analyzed:	02/04/12 17:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	30.92	63.1	50 - 110	
2-Fluorophenol	98.04	25.67	26.2	20 - 110	
Nitrobenzene-d5	49.02	27.15	55.4	40 - 110	
Phenol-d6	98.04	14.02	14.3	0 - 110	
Terphenyl-d14	49.02	51.92	106	50 - 135	
2,4,6-Tribromophenol	98.04	99.00	101	40 - 125	

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	0202801.D
Sampled:	02/02/12 12:27	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 18:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, Q, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	0202801.D
Sampled:	02/02/12 12:27	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 18:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	22.11	44.2	50 - 110	*
2-Fluorophenol	100.0	17.50	17.5	20 - 110	*
Nitrobenzene-d5	50.00	21.31	42.6	40 - 110	
Phenol-d6	100.0	9.586	9.59	0 - 110	
Terphenyl-d14	50.00	41.00	82.0	50 - 135	
2,4,6-Tribromophenol	100.0	70.61	70.6	40 - 125	

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	0202803.D
Sampled:	02/02/12 12:27	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 18:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	0202803.D
Sampled:	02/02/12 12:27	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 18:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	26.78	53.6	50 - 110	
2-Fluorophenol	100.0	22.37	22.4	20 - 110	
Nitrobenzene-d5	50.00	25.40	50.8	40 - 110	
Phenol-d6	100.0	11.73	11.7	0 - 110	
Terphenyl-d14	50.00	43.53	87.1	50 - 135	
2,4,6-Tribromophenol	100.0	95.18	95.2	40 - 125	

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	0202805.D
Sampled:	02/02/12 11:55	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 19:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	0202805.D
Sampled:	02/02/12 11:55	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 19:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.93	75.9	50 - 110	
2-Fluorophenol	100.0	30.51	30.5	20 - 110	
Nitrobenzene-d5	50.00	35.37	70.7	40 - 110	
Phenol-d6	100.0	16.14	16.1	0 - 110	
Terphenyl-d14	50.00	41.34	82.7	50 - 135	
2,4,6-Tribromophenol	100.0	107.8	108	40 - 125	

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	0202807.D
Sampled:	02/02/12 11:55	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 19:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	0202807.D
Sampled:	02/02/12 11:55	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 19:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	34.99	70.0	50 - 110	
2-Fluorophenol	100.0	27.02	27.0	20 - 110	
Nitrobenzene-d5	50.00	33.95	67.9	40 - 110	
Phenol-d6	100.0	13.98	14.0	0 - 110	
Terphenyl-d14	50.00	48.76	97.5	50 - 135	
2,4,6-Tribromophenol	100.0	97.28	97.3	40 - 125	

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	0202809.D
Sampled:	02/01/12 15:25	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 20:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	0202809.D
Sampled:	02/01/12 15:25	Prepared:	02/03/12 13:57	Analyzed:	02/04/12 20:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.01	1.23	2.45	4.90	J
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	24.51	50.0	50 - 110	
2-Fluorophenol	98.04	19.40	19.8	20 - 110	*
Nitrobenzene-d5	49.02	24.17	49.3	40 - 110	
Phenol-d6	98.04	10.79	11.0	0 - 110	
Terphenyl-d14	49.02	38.82	79.2	50 - 135	
2,4,6-Tribromophenol	98.04	70.41	71.8	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03312	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03312-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 01/31/12 14:41		
2-Fluorobiphenyl	50.00	108	80 - 120	8.823	8.823	0.0000	+/-0.500	
2-Fluorophenol	100.0	109	80 - 120	4.244	4.244	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	111	80 - 120	6.541	6.541	0.0000	+/-0.500	
Phenol-d6	100.0	108	80 - 120	5.425	5.425	0.0000	+/-0.500	
Terphenyl-d14	50.00	108	80 - 120	13.566	13.566	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	116	80 - 120	10.639	10.639	0.0000	+/-0.500	
Blank (2A30004-BLK1) ug/L				Lab File ID: A30004B1.D		Analyzed: 01/31/12 15:12		
2-Fluorobiphenyl	50.00	82.5	50 - 110	8.815	8.823	-0.0080	+/-0.500	
2-Fluorophenol	100.0	36.6	20 - 110	4.237	4.244	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	81.9	40 - 110	6.534	6.541	-0.0070	+/-0.500	
Phenol-d6	100.0	19.9	0 - 110	5.402	5.425	-0.0230	+/-0.500	
Terphenyl-d14	50.00	89.1	50 - 135	13.564	13.566	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	87.4	40 - 125	10.632	10.639	-0.0070	+/-0.500	
LCS (2A30004-BS1) ug/L				Lab File ID: A30004L1.D		Analyzed: 01/31/12 15:42		
2-Fluorobiphenyl	50.00	84.7	50 - 110	8.82	8.823	-0.0030	+/-0.500	
2-Fluorophenol	100.0	27.8	20 - 110	4.242	4.244	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	83.6	40 - 110	6.539	6.541	-0.0020	+/-0.500	
Phenol-d6	100.0	20.2	0 - 110	5.412	5.425	-0.0130	+/-0.500	
Terphenyl-d14	50.00	84.7	50 - 135	13.564	13.566	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	62.2	40 - 125	10.636	10.639	-0.0030	+/-0.500	
LCS Dup (2A30004-BSD1) ug/L				Lab File ID: A30004L2.D		Analyzed: 01/31/12 16:13		
2-Fluorobiphenyl	50.00	82.7	50 - 110	8.821	8.823	-0.0020	+/-0.500	
2-Fluorophenol	100.0	38.2	20 - 110	4.237	4.244	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	82.7	40 - 110	6.54	6.541	-0.0010	+/-0.500	
Phenol-d6	100.0	21.9	0 - 110	5.413	5.425	-0.0120	+/-0.500	
Terphenyl-d14	50.00	87.6	50 - 135	13.565	13.566	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	92.7	40 - 125	10.637	10.639	-0.0020	+/-0.500	
GW0411 (1201196-01) ug/L				Lab File ID: 0119601.D		Analyzed: 01/31/12 21:47		
2-Fluorobiphenyl	49.02	73.6	50 - 110	8.816	8.823	-0.0070	+/-0.500	
2-Fluorophenol	98.04	21.8	20 - 110	4.237	4.244	-0.0070	+/-0.500	
Nitrobenzene-d5	49.02	72.4	40 - 110	6.529	6.541	-0.0120	+/-0.500	
Phenol-d6	98.04	15.3	0 - 110	5.402	5.425	-0.0230	+/-0.500	
Terphenyl-d14	49.02	68.1	50 - 135	13.559	13.566	-0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	51.2	40 - 125	10.627	10.639	-0.0120	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03312	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0473 (1201196-05) ug/L				Lab File ID: 0119605.D		Analyzed: 01/31/12 22:47		
2-Fluorobiphenyl	47.17	86.9	50 - 110	8.816	8.823	-0.0070	+/-0.500	
2-Fluorophenol	94.34	28.9	20 - 110	4.238	4.244	-0.0060	+/-0.500	
Nitrobenzene-d5	47.17	82.6	40 - 110	6.53	6.541	-0.0110	+/-0.500	
Phenol-d6	94.34	18.0	0 - 110	5.402	5.425	-0.0230	+/-0.500	
Terphenyl-d14	47.17	79.9	50 - 135	13.56	13.566	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	77.7	40 - 125	10.627	10.639	-0.0120	+/-0.500	
GW0474 (1201196-07) ug/L				Lab File ID: 0119607.D		Analyzed: 01/31/12 23:18		
2-Fluorobiphenyl	47.17	91.2	50 - 110	8.816	8.823	-0.0070	+/-0.500	
2-Fluorophenol	94.34	32.7	20 - 110	4.237	4.244	-0.0070	+/-0.500	
Nitrobenzene-d5	47.17	88.9	40 - 110	6.535	6.541	-0.0060	+/-0.500	
Phenol-d6	94.34	19.0	0 - 110	5.402	5.425	-0.0230	+/-0.500	
Terphenyl-d14	47.17	72.7	50 - 135	13.559	13.566	-0.0070	+/-0.500	
2,4,6-Tribromophenol	94.34	80.2	40 - 125	10.632	10.639	-0.0070	+/-0.500	
GW0494 (1201196-09) ug/L				Lab File ID: 0119609.D		Analyzed: 01/31/12 23:48		
2-Fluorobiphenyl	49.02	68.5	50 - 110	8.817	8.823	-0.0060	+/-0.500	
2-Fluorophenol	98.04	28.1	20 - 110	4.239	4.244	-0.0050	+/-0.500	
Nitrobenzene-d5	49.02	66.0	40 - 110	6.53	6.541	-0.0110	+/-0.500	
Phenol-d6	98.04	16.5	0 - 110	5.403	5.425	-0.0220	+/-0.500	
Terphenyl-d14	49.02	88.9	50 - 135	13.561	13.566	-0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	80.9	40 - 125	10.628	10.639	-0.0110	+/-0.500	
GW0495 (1201196-11) ug/L				Lab File ID: 0119611.D		Analyzed: 02/01/12 00:19		
2-Fluorobiphenyl	48.08	92.9	50 - 110	8.813	8.823	-0.0100	+/-0.500	
2-Fluorophenol	96.15	28.7	20 - 110	4.235	4.244	-0.0090	+/-0.500	
Nitrobenzene-d5	48.08	88.1	40 - 110	6.532	6.541	-0.0090	+/-0.500	
Phenol-d6	96.15	18.3	0 - 110	5.399	5.425	-0.0260	+/-0.500	
Terphenyl-d14	48.08	88.5	50 - 135	13.562	13.566	-0.0040	+/-0.500	
2,4,6-Tribromophenol	96.15	70.2	40 - 125	10.629	10.639	-0.0100	+/-0.500	
GW0465 (1201196-03) ug/L				Lab File ID: 0119603.D		Analyzed: 02/01/12 01:49		
2-Fluorobiphenyl	47.17	89.7	50 - 110	8.824	8.823	0.0010	+/-0.500	
2-Fluorophenol	94.34	31.3	20 - 110	4.305	4.244	0.0610	+/-0.500	
Nitrobenzene-d5	47.17	72.8	40 - 110	6.538	6.541	-0.0030	+/-0.500	
Phenol-d6	94.34	20.0	0 - 110	5.491	5.425	0.0660	+/-0.500	
Terphenyl-d14	47.17	71.2	50 - 135	13.563	13.566	-0.0030	+/-0.500	
2,4,6-Tribromophenol	94.34	73.6	40 - 125	10.641	10.639	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03501-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/03/12 15:04		
2-Fluorobiphenyl	50.00	109	80 - 120	8.77	8.77	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	4.186	4.186	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	110	80 - 120	6.489	6.489	0.0000	+/-0.500	
Phenol-d6	100.0	107	80 - 120	5.367	5.367	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	80 - 120	13.503	13.503	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	124	80 - 120	10.581	10.581	0.0000	+/-0.500	*
Blank (2B02003-BLK1) ug/L				Lab File ID: B02003B1.D		Analyzed: 02/03/12 20:38		
2-Fluorobiphenyl	50.00	70.9	50 - 110	8.76	8.77	-0.0100	+/-0.500	
2-Fluorophenol	100.0	26.5	20 - 110	4.182	4.186	-0.0040	+/-0.500	
Nitrobenzene-d5	50.00	68.5	40 - 110	6.474	6.489	-0.0150	+/-0.500	
Phenol-d6	100.0	15.2	0 - 110	5.347	5.367	-0.0200	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	13.494	13.503	-0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	73.2	40 - 125	10.571	10.581	-0.0100	+/-0.500	
LCS (2B02003-BS1) ug/L				Lab File ID: B02003L1.D		Analyzed: 02/03/12 21:09		
2-Fluorobiphenyl	50.00	96.3	50 - 110	8.767	8.77	-0.0030	+/-0.500	
2-Fluorophenol	100.0	37.3	20 - 110	4.184	4.186	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	94.3	40 - 110	6.486	6.489	-0.0030	+/-0.500	
Phenol-d6	100.0	20.6	0 - 110	5.359	5.367	-0.0080	+/-0.500	
Terphenyl-d14	50.00	97.7	50 - 135	13.495	13.503	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	102	40 - 125	10.578	10.581	-0.0030	+/-0.500	
GW0409 (1202006-01) ug/L				Lab File ID: 0200601.D		Analyzed: 02/03/12 21:39		
2-Fluorobiphenyl	47.17	68.4	50 - 110	8.762	8.77	-0.0080	+/-0.500	
2-Fluorophenol	94.34	26.1	20 - 110	4.178	4.186	-0.0080	+/-0.500	
Nitrobenzene-d5	47.17	65.5	40 - 110	6.475	6.489	-0.0140	+/-0.500	
Phenol-d6	94.34	14.0	0 - 110	5.348	5.367	-0.0190	+/-0.500	
Terphenyl-d14	47.17	96.1	50 - 135	13.495	13.503	-0.0080	+/-0.500	
2,4,6-Tribromophenol	94.34	79.1	40 - 125	10.573	10.581	-0.0080	+/-0.500	
Matrix Spike (2B02003-MS1) ug/L				Lab File ID: 0200601M.D		Analyzed: 02/03/12 22:09		
2-Fluorobiphenyl	48.08	87.1	50 - 110	8.769	8.77	-0.0010	+/-0.500	
2-Fluorophenol	96.15	31.2	20 - 110	4.185	4.186	-0.0010	+/-0.500	
Nitrobenzene-d5	48.08	80.3	40 - 110	6.483	6.489	-0.0060	+/-0.500	
Phenol-d6	96.15	18.4	0 - 110	5.355	5.367	-0.0120	+/-0.500	
Terphenyl-d14	48.08	74.9	50 - 135	13.497	13.503	-0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	100	40 - 125	10.58	10.581	-0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2B02003-MSD1) ug/L				Lab File ID: 0200601S.D		Analyzed: 02/03/12 22:40		
2-Fluorobiphenyl	49.02	77.7	50 - 110	8.767	8.77	-0.0030	+/-0.500	
2-Fluorophenol	98.04	28.2	20 - 110	4.183	4.186	-0.0030	+/-0.500	
Nitrobenzene-d5	49.02	72.6	40 - 110	6.48	6.489	-0.0090	+/-0.500	
Phenol-d6	98.04	17.0	0 - 110	5.353	5.367	-0.0140	+/-0.500	
Terphenyl-d14	49.02	76.9	50 - 135	13.494	13.503	-0.0090	+/-0.500	
2,4,6-Tribromophenol	98.04	98.3	40 - 125	10.578	10.581	-0.0030	+/-0.500	
GW0422 (1202006-03) ug/L				Lab File ID: 0200603.D		Analyzed: 02/03/12 23:10		
2-Fluorobiphenyl	48.08	89.1	50 - 110	8.765	8.77	-0.0050	+/-0.500	
2-Fluorophenol	96.15	35.6	20 - 110	4.182	4.186	-0.0040	+/-0.500	
Nitrobenzene-d5	48.08	86.4	40 - 110	6.479	6.489	-0.0100	+/-0.500	
Phenol-d6	96.15	19.8	0 - 110	5.352	5.367	-0.0150	+/-0.500	
Terphenyl-d14	48.08	92.0	50 - 135	13.498	13.503	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	102	40 - 125	10.576	10.581	-0.0050	+/-0.500	
GW0423 (1202006-05) ug/L				Lab File ID: 0200605.D		Analyzed: 02/03/12 23:41		
2-Fluorobiphenyl	49.02	90.3	50 - 110	8.765	8.77	-0.0050	+/-0.500	
2-Fluorophenol	98.04	37.5	20 - 110	4.181	4.186	-0.0050	+/-0.500	
Nitrobenzene-d5	49.02	88.9	40 - 110	6.479	6.489	-0.0100	+/-0.500	
Phenol-d6	98.04	21.1	0 - 110	5.351	5.367	-0.0160	+/-0.500	
Terphenyl-d14	49.02	90.7	50 - 135	13.498	13.503	-0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	99.1	40 - 125	10.576	10.581	-0.0050	+/-0.500	
GW0424 (1202006-07) ug/L				Lab File ID: 0200607.D		Analyzed: 02/04/12 00:11		
2-Fluorobiphenyl	48.08	93.5	50 - 110	8.762	8.77	-0.0080	+/-0.500	
2-Fluorophenol	96.15	30.9	20 - 110	4.178	4.186	-0.0080	+/-0.500	
Nitrobenzene-d5	48.08	91.6	40 - 110	6.481	6.489	-0.0080	+/-0.500	
Phenol-d6	96.15	18.9	0 - 110	5.348	5.367	-0.0190	+/-0.500	
Terphenyl-d14	48.08	97.8	50 - 135	13.5	13.503	-0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	89.8	40 - 125	10.573	10.581	-0.0080	+/-0.500	
GW0436 (1202006-09) ug/L				Lab File ID: 0200609.D		Analyzed: 02/04/12 00:41		
2-Fluorobiphenyl	48.08	82.2	50 - 110	8.764	8.77	-0.0060	+/-0.500	
2-Fluorophenol	96.15	27.5	20 - 110	4.18	4.186	-0.0060	+/-0.500	
Nitrobenzene-d5	48.08	79.0	40 - 110	6.478	6.489	-0.0110	+/-0.500	
Phenol-d6	96.15	16.2	0 - 110	5.35	5.367	-0.0170	+/-0.500	
Terphenyl-d14	48.08	86.8	50 - 135	13.492	13.503	-0.0110	+/-0.500	
2,4,6-Tribromophenol	96.15	74.8	40 - 125	10.575	10.581	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0437 (1202006-11) ug/L				Lab File ID: 0200611.D		Analyzed: 02/04/12 01:11		
2-Fluorobiphenyl	48.08	71.1	50 - 110	8.764	8.77	-0.0060	+/-0.500	
2-Fluorophenol	96.15	27.5	20 - 110	4.18	4.186	-0.0060	+/-0.500	
Nitrobenzene-d5	48.08	68.8	40 - 110	6.477	6.489	-0.0120	+/-0.500	
Phenol-d6	96.15	15.1	0 - 110	5.35	5.367	-0.0170	+/-0.500	
Terphenyl-d14	48.08	97.4	50 - 135	13.497	13.503	-0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	82.4	40 - 125	10.575	10.581	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03710-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/04/12 12:10		
2-Fluorobiphenyl	50.00	106	80 - 120	8.588	8.588	0.0000	+/-0.500	
2-Fluorophenol	100.0	91.8	80 - 120	3.971	3.971	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	89.9	80 - 120	6.286	6.286	0.0000	+/-0.500	
Phenol-d6	100.0	89.7	80 - 120	5.156	5.156	0.0000	+/-0.500	
Terphenyl-d14	50.00	117	80 - 120	13.234	13.234	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	120	80 - 120	10.385	10.385	0.0000	+/-0.500	
Blank (2B03405-BLK1) ug/L				Lab File ID: B03045B1.D		Analyzed: 02/04/12 12:44		
2-Fluorobiphenyl	50.00	62.2	50 - 110	8.568	8.588	-0.0200	+/-0.500	
2-Fluorophenol	100.0	24.0	20 - 110	3.959	3.971	-0.0120	+/-0.500	
Nitrobenzene-d5	50.00	58.4	40 - 110	6.277	6.286	-0.0090	+/-0.500	
Phenol-d6	100.0	13.3	0 - 110	5.122	5.156	-0.0340	+/-0.500	
Terphenyl-d14	50.00	87.6	50 - 135	13.229	13.234	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	82.0	40 - 125	10.364	10.385	-0.0210	+/-0.500	
LCS (2B03405-BS1) ug/L				Lab File ID: B03045L1.D		Analyzed: 02/04/12 13:14		
2-Fluorobiphenyl	50.00	79.9	50 - 110	8.586	8.588	-0.0020	+/-0.500	
2-Fluorophenol	100.0	24.1	20 - 110	3.962	3.971	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	62.0	40 - 110	6.286	6.286	0.0000	+/-0.500	
Phenol-d6	100.0	14.9	0 - 110	5.137	5.156	-0.0190	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	13.233	13.234	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	87.2	40 - 125	10.386	10.385	0.0010	+/-0.500	
GW0382 (1202022-01) ug/L				Lab File ID: 0202201.D		Analyzed: 02/04/12 16:17		
2-Fluorobiphenyl	49.02	73.9	50 - 110	8.577	8.588	-0.0110	+/-0.500	
2-Fluorophenol	98.04	32.8	20 - 110	3.962	3.971	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	70.1	40 - 110	6.285	6.286	-0.0010	+/-0.500	
Phenol-d6	98.04	17.8	0 - 110	5.129	5.156	-0.0270	+/-0.500	
Terphenyl-d14	49.02	94.2	50 - 135	13.231	13.234	-0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	104	40 - 125	10.374	10.385	-0.0110	+/-0.500	
GW0395 (1202022-03) ug/L				Lab File ID: 0202203.D		Analyzed: 02/04/12 16:47		
2-Fluorobiphenyl	49.02	66.9	50 - 110	8.572	8.588	-0.0160	+/-0.500	
2-Fluorophenol	98.04	29.3	20 - 110	3.961	3.971	-0.0100	+/-0.500	
Nitrobenzene-d5	49.02	63.6	40 - 110	6.281	6.286	-0.0050	+/-0.500	
Phenol-d6	98.04	15.9	0 - 110	5.126	5.156	-0.0300	+/-0.500	
Terphenyl-d14	49.02	117	50 - 135	13.238	13.234	0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	106	40 - 125	10.37	10.385	-0.0150	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0435 (1202022-05) ug/L				Lab File ID: 0202205.D		Analyzed: 02/04/12 17:18		
2-Fluorobiphenyl	50.00	55.7	50 - 110	8.577	8.588	-0.0110	+/-0.500	
2-Fluorophenol	100.0	25.6	20 - 110	3.961	3.971	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	51.1	40 - 110	6.274	6.286	-0.0120	+/-0.500	
Phenol-d6	100.0	14.0	0 - 110	5.127	5.156	-0.0290	+/-0.500	
Terphenyl-d14	50.00	89.0	50 - 135	13.236	13.234	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	92.1	40 - 125	10.377	10.385	-0.0080	+/-0.500	
GW0497 (1202022-07) ug/L				Lab File ID: 0202207.D		Analyzed: 02/04/12 17:48		
2-Fluorobiphenyl	49.02	63.1	50 - 110	8.571	8.588	-0.0170	+/-0.500	
2-Fluorophenol	98.04	26.2	20 - 110	3.961	3.971	-0.0100	+/-0.500	
Nitrobenzene-d5	49.02	55.4	40 - 110	6.28	6.286	-0.0060	+/-0.500	
Phenol-d6	98.04	14.3	0 - 110	5.125	5.156	-0.0310	+/-0.500	
Terphenyl-d14	49.02	106	50 - 135	13.236	13.234	0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	101	40 - 125	10.378	10.385	-0.0070	+/-0.500	
GW0400 (1202028-01) ug/L				Lab File ID: 0202801.D		Analyzed: 02/04/12 18:18		
2-Fluorobiphenyl	50.00	44.2	50 - 110	8.571	8.588	-0.0170	+/-0.500	*
2-Fluorophenol	100.0	17.5	20 - 110	3.962	3.971	-0.0090	+/-0.500	*
Nitrobenzene-d5	50.00	42.6	40 - 110	6.275	6.286	-0.0110	+/-0.500	
Phenol-d6	100.0	9.59	0 - 110	5.128	5.156	-0.0280	+/-0.500	
Terphenyl-d14	50.00	82.0	50 - 135	13.234	13.234	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	70.6	40 - 125	10.373	10.385	-0.0120	+/-0.500	
GW0401 (1202028-03) ug/L				Lab File ID: 0202803.D		Analyzed: 02/04/12 18:48		
2-Fluorobiphenyl	50.00	53.6	50 - 110	8.573	8.588	-0.0150	+/-0.500	
2-Fluorophenol	100.0	22.4	20 - 110	3.961	3.971	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	50.8	40 - 110	6.275	6.286	-0.0110	+/-0.500	
Phenol-d6	100.0	11.7	0 - 110	5.127	5.156	-0.0290	+/-0.500	
Terphenyl-d14	50.00	87.1	50 - 135	13.234	13.234	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	95.2	40 - 125	10.376	10.385	-0.0090	+/-0.500	
GW0420 (1202028-05) ug/L				Lab File ID: 0202805.D		Analyzed: 02/04/12 19:19		
2-Fluorobiphenyl	50.00	75.9	50 - 110	8.581	8.588	-0.0070	+/-0.500	
2-Fluorophenol	100.0	30.5	20 - 110	3.961	3.971	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	70.7	40 - 110	6.28	6.286	-0.0060	+/-0.500	
Phenol-d6	100.0	16.1	0 - 110	5.125	5.156	-0.0310	+/-0.500	
Terphenyl-d14	50.00	82.7	50 - 135	13.237	13.234	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	108	40 - 125	10.379	10.385	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0421 (1202028-07) ug/L				Lab File ID: 0202807.D		Analyzed: 02/04/12 19:50		
2-Fluorobiphenyl	50.00	70.0	50 - 110	8.571	8.588	-0.0170	+/-0.500	
2-Fluorophenol	100.0	27.0	20 - 110	3.961	3.971	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	67.9	40 - 110	6.28	6.286	-0.0060	+/-0.500	
Phenol-d6	100.0	14.0	0 - 110	5.125	5.156	-0.0310	+/-0.500	
Terphenyl-d14	50.00	97.5	50 - 135	13.232	13.234	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	97.3	40 - 125	10.367	10.385	-0.0180	+/-0.500	
GW0496 (1202028-09) ug/L				Lab File ID: 0202809.D		Analyzed: 02/04/12 20:20		
2-Fluorobiphenyl	49.02	50.0	50 - 110	8.572	8.588	-0.0160	+/-0.500	
2-Fluorophenol	98.04	19.8	20 - 110	3.961	3.971	-0.0100	+/-0.500	*
Nitrobenzene-d5	49.02	49.3	40 - 110	6.281	6.286	-0.0050	+/-0.500	
Phenol-d6	98.04	11.0	0 - 110	5.125	5.156	-0.0310	+/-0.500	
Terphenyl-d14	49.02	79.2	50 - 135	13.228	13.234	-0.0060	+/-0.500	
2,4,6-Tribromophenol	98.04	71.8	40 - 125	10.369	10.385	-0.0160	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30004	Laboratory ID:	2A30004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	44.85	89.7	45 - 110
Acenaphthylene	50.00	46.04	92.1	50 - 105
Acetophenone	50.00	48.55	97.1	50 - 110
Anthracene	50.00	47.39	94.8	55 - 110
Atrazine	50.00	54.40	109	70 - 115
Benzaldehyde	50.00	52.12	104	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	48.91	97.8	55 - 110
Benzo(a)pyrene	50.00	49.01	98.0	55 - 110
Benzo(b)fluoranthene	50.00	49.56	99.1	45 - 120
Benzo(g,h,i)perylene	50.00	52.54	105	40 - 125
Benzoic acid	100.0	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	49.31	98.6	45 - 125
1,1-Biphenyl	50.00	50.78	102	50 - 110
4-Bromophenyl-phenylether	50.00	51.80	104	50 - 115
Butylbenzylphthalate	50.00	55.09	110	45 - 115
Caprolactam	**50.00**	**9.568**	**19.1**	**20 - 110**
Carbazole	50.00	44.19	88.4	50 - 115
4-Chloro-3-methylphenol	100.0	76.35	76.3	45 - 110
4-Chloroaniline	50.00	36.44	72.9	15 - 110
Bis(2-chloroethoxy)methane	50.00	48.19	96.4	45 - 105
Bis(2-chloroethyl)ether	50.00	45.57	91.1	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	44.99	90.0	25 - 130
2-Chloronaphthalene	50.00	46.29	92.6	50 - 105
2-Chlorophenol	100.0	57.12	57.1	35 - 105
4-Chlorophenyl phenyl ether	50.00	48.02	96.0	50 - 110
Chrysene	50.00	50.96	102	55 - 110
Dibenz(a,h)anthracene	50.00	53.92	108	40 - 125
Dibenzofuran	50.00	46.94	93.9	55 - 105
Di-n-butylphthalate	50.00	51.34	103	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30004	Laboratory ID:	2A30004-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**	**60.57**	**121**	**20 - 110**
2,4-Dichlorophenol	100.0	65.02	65.0	40 - 110
Diethylphthalate	50.00	50.16	100	40 - 120
2,4-Dimethylphenol	100.0	81.71	81.7	30 - 110
Dimethyl phthalate	50.00	49.48	99.0	25 - 125
4,6-Dinitro-2-methylphenol	100.0	43.77	43.8	40 - 130
2,4-Dinitrophenol	100.0	29.67	29.7	15 - 140
2,4-Dinitrotoluene	50.00	49.63	99.3	50 - 120
2,6-Dinitrotoluene	50.00	47.44	94.9	50 - 115
Di-n-octylphthalate	50.00	62.32	125	35 - 135
1,2-Diphenylhydrazine	50.00	48.12	96.2	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	56.62	113	40 - 125
Fluoranthene	50.00	49.22	98.4	55 - 115
Fluorene	50.00	47.60	95.2	50 - 110
Hexachlorobenzene	50.00	49.73	99.5	50 - 110
Hexachlorobutadiene	50.00	38.24	76.5	25 - 105
Hexachlorocyclopentadiene	50.00	43.71	87.4	10 - 110
Hexachloroethane	50.00	33.90	67.8	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	53.42	107	45 - 125
Isophorone	50.00	44.58	89.2	50 - 110
1-Methylnaphthalene	50.00	41.49	83.0	30 - 115
2-Methylnaphthalene	50.00	42.58	85.2	45 - 105
2-Methylphenol	100.0	59.78	59.8	40 - 110
3-Methylphenol/4-Methylphenol	100.0	54.30	54.3	30 - 110
Naphthalene	50.00	40.76	81.5	40 - 100
4-Nitroaniline	50.00	39.46	78.9	35 - 120
3-Nitroaniline	50.00	39.58	79.2	20 - 125
2-Nitroaniline	50.00	48.68	97.4	50 - 115
Nitrobenzene	50.00	44.03	88.1	30 - 110
4-Nitrophenol	100.0	16.08	16.1	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30004	Laboratory ID:	2A30004-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	63.07	63.1	40 - 115
N-Nitrosodiphenylamine	50.00	40.90	81.8	50 - 110
N-Nitroso-di-n-propylamine	50.00	48.59	97.2	35 - 130
Pentachlorophenol	100.0	42.39	42.4	40 - 115
Phenanthrene	50.00	48.38	96.8	50 - 115
Phenol	100.0	22.79	22.8	0 - 115
Pyrene	50.00	45.25	90.5	50 - 130
2,4,6-Trichlorophenol	100.0	55.57	55.6	50 - 115
2,4,5-Trichlorophenol	100.0	67.84	67.8	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	44.18	88.4	1.51	30	45 - 110
Acenaphthylene	50.00	44.84	89.7	2.63	30	50 - 105
Acetophenone	50.00	47.28	94.6	2.65	30	50 - 110
Anthracene	50.00	46.67	93.3	1.53	30	55 - 110
Atrazine	50.00	53.25	107	2.14	30	70 - 115
Benzaldehyde	50.00	49.68	99.4	4.80	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	48.04	96.1	1.80	30	55 - 110
Benzo(a)pyrene	50.00	48.25	96.5	1.55	30	55 - 110
Benzo(b)fluoranthene	50.00	48.86	97.7	1.44	30	45 - 120
Benzo(g,h,i)perylene	50.00	52.38	105	0.303	30	40 - 125
Benzoic acid	100.0	22.38	22.4		30	0 - 125
Benzo(k)fluoranthene	50.00	48.35	96.7	1.98	30	45 - 125
1,1-Biphenyl	50.00	50.02	100	1.51	30	50 - 110
4-Bromophenyl-phenylether	50.00	50.64	101	2.28	30	50 - 115
Butylbenzylphthalate	50.00	53.16	106	3.56	30	45 - 115
Caprolactam	**50.00**	**9.331**	**18.7 ***	**2.51**	**30**	**20 - 110**
Carbazole	50.00	43.71	87.4	1.09	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30004	Laboratory ID:	2A30004-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	79.81	79.8	4.43	30	45 - 110
4-Chloroaniline	50.00	33.72	67.4	7.75	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	46.93	93.9	2.65	30	45 - 105
Bis(2-chloroethyl)ether	50.00	43.89	87.8	3.75	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	42.82	85.6	4.93	30	25 - 130
2-Chloronaphthalene	50.00	44.83	89.7	3.22	30	50 - 105
2-Chlorophenol	100.0	69.05	69.0	18.9	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	47.14	94.3	1.84	30	50 - 110
Chrysene	50.00	50.76	102	0.409	30	55 - 110
Dibenz(a,h)anthracene	50.00	53.84	108	0.148	30	40 - 125
Dibenzofuran	50.00	45.95	91.9	2.13	30	55 - 105
Di-n-butylphthalate	50.00	50.00	100	2.65	30	55 - 115
3,3'-Dichlorobenzidine	**50.00**	**60.22**	**120 ***	**0.567**	**30**	**20 - 110**
2,4-Dichlorophenol	100.0	82.40	82.4	23.6	30	40 - 110
Diethylphthalate	50.00	48.22	96.4	3.94	30	40 - 120
2,4-Dimethylphenol	100.0	81.10	81.1	0.756	30	30 - 110
Dimethyl phthalate	50.00	48.34	96.7	2.33	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	95.40	95.4	74.2 *	30	40 - 130
2,4-Dinitrophenol	100.0	83.38	83.4	95.0 *	30	15 - 140
2,4-Dinitrotoluene	50.00	48.20	96.4	2.93	30	50 - 120
2,6-Dinitrotoluene	50.00	46.56	93.1	1.88	30	50 - 115
Di-n-octylphthalate	50.00	58.65	117	6.06	30	35 - 135
1,2-Diphenylhydrazine	50.00	48.19	96.4	0.150	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	54.31	109	4.15	30	40 - 125
Fluoranthene	50.00	48.41	96.8	1.66	30	55 - 115
Fluorene	50.00	46.38	92.8	2.59	30	50 - 110
Hexachlorobenzene	50.00	48.90	97.8	1.68	30	50 - 110
Hexachlorobutadiene	50.00	37.57	75.1	1.75	30	25 - 105
Hexachlorocyclopentadiene	50.00	45.55	91.1	4.14	30	10 - 110
Hexachloroethane	50.00	32.58	65.2	3.99	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30004	Laboratory ID:	2A30004-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	50.00	52.98	106	0.826	30	45 - 125
Isophorone	50.00	44.00	88.0	1.31	30	50 - 110
1-Methylnaphthalene	50.00	40.33	80.7	2.83	30	30 - 115
2-Methylnaphthalene	50.00	41.61	83.2	2.32	30	45 - 105
2-Methylphenol	100.0	59.66	59.7	0.207	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	53.73	53.7	1.05	30	30 - 110
Naphthalene	50.00	40.12	80.2	1.59	30	40 - 100
4-Nitroaniline	50.00	38.32	76.6	2.95	30	35 - 120
3-Nitroaniline	50.00	33.81	67.6	15.7	30	20 - 125
2-Nitroaniline	50.00	47.83	95.7	1.74	30	50 - 115
Nitrobenzene	50.00	43.54	87.1	1.12	30	30 - 110
4-Nitrophenol	100.0	31.17	31.2	63.9 *	30	0 - 125
2-Nitrophenol	100.0	84.76	84.8	29.3	30	40 - 115
N-Nitrosodiphenylamine	50.00	40.54	81.1	0.893	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	46.51	93.0	4.38	30	35 - 130
Pentachlorophenol	100.0	92.18	92.2	74.0 *	30	40 - 115
Phenanthrene	50.00	47.98	96.0	0.827	30	50 - 115
Phenol	100.0	24.70	24.7	8.03	30	0 - 115
Pyrene	50.00	45.43	90.9	0.414	30	50 - 130
2,4,6-Trichlorophenol	100.0	92.55	92.6	49.9 *	30	50 - 115
2,4,5-Trichlorophenol	100.0	95.92	95.9	34.3 *	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02003	Laboratory ID:	2B02003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	52.19	104	45 - 110
Acenaphthylene	**50.00**	**53.66**	**107**	**50 - 105**
Acetophenone	**50.00**	**55.54**	**111**	**50 - 110**
Anthracene	**50.00**	**55.41**	**111**	**55 - 110**
Atrazine	**50.00**	**64.62**	**129**	**70 - 115**
Benzaldehyde	50.00	59.07	118	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	**50.00**	**56.74**	**113**	**55 - 110**
Benzo(a)pyrene	**50.00**	**57.72**	**115**	**55 - 110**
Benzo(b)fluoranthene	**50.00**	**60.89**	**122**	**45 - 120**
Benzo(g,h,i)perylene	50.00	57.16	114	40 - 125
Benzoic acid	100.0	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	56.43	113	45 - 125
1,1-Biphenyl	**50.00**	**60.73**	**121**	**50 - 110**
4-Bromophenyl-phenylether	**50.00**	**60.85**	**122**	**50 - 115**
Butylbenzylphthalate	**50.00**	**60.21**	**120**	**45 - 115**
Caprolactam	**50.00**	**9.476**	**19.0**	**20 - 110**
Carbazole	50.00	53.48	107	50 - 115
4-Chloro-3-methylphenol	100.0	82.08	82.1	45 - 110
4-Chloroaniline	50.00	37.88	75.8	15 - 110
Bis(2-chloroethoxy)methane	**50.00**	**55.58**	**111**	**45 - 105**
Bis(2-chloroethyl)ether	50.00	50.04	100	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	50.10	100	25 - 130
2-Chloronaphthalene	**50.00**	**53.61**	**107**	**50 - 105**
2-Chlorophenol	100.0	71.16	71.2	35 - 105
4-Chlorophenyl phenyl ether	**50.00**	**57.01**	**114**	**50 - 110**
Chrysene	**50.00**	**59.21**	**118**	**55 - 110**
Dibenz(a,h)anthracene	50.00	61.04	122	40 - 125
Dibenzofuran	**50.00**	**55.23**	**110**	**55 - 105**
Di-n-butylphthalate	**50.00**	**59.88**	**120**	**55 - 115**

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02003	Laboratory ID:	2B02003-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**	**72.71**	**145**	**20 - 110**
2,4-Dichlorophenol	100.0	87.69	87.7	40 - 110
Diethylphthalate	50.00	57.67	115	40 - 120
2,4-Dimethylphenol	100.0	87.04	87.0	30 - 110
Dimethyl phthalate	50.00	53.93	108	25 - 125
4,6-Dinitro-2-methylphenol	100.0	90.90	90.9	40 - 130
2,4-Dinitrophenol	100.0	69.00	69.0	15 - 140
2,4-Dinitrotoluene	50.00	56.56	113	50 - 120
2,6-Dinitrotoluene	50.00	54.00	108	50 - 115
Di-n-octylphthalate	50.00	67.66	135	35 - 135
1,2-Diphenylhydrazine	50.00	55.86	112	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	60.73	121	40 - 125
Fluoranthene	50.00	57.23	114	55 - 115
Fluorene	**50.00**	**55.47**	**111**	**50 - 110**
Hexachlorobenzene	**50.00**	**61.57**	**123**	**50 - 110**
Hexachlorobutadiene	50.00	46.14	92.3	25 - 105
Hexachlorocyclopentadiene	50.00	40.79	81.6	10 - 110
Hexachloroethane	50.00	37.78	75.6	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	60.55	121	45 - 125
Isophorone	50.00	51.96	104	50 - 110
1-Methylnaphthalene	50.00	48.81	97.6	30 - 115
2-Methylnaphthalene	50.00	50.58	101	45 - 105
2-Methylphenol	100.0	60.20	60.2	40 - 110
3-Methylphenol/4-Methylphenol	100.0	54.37	54.4	30 - 110
Naphthalene	50.00	46.97	93.9	40 - 100
4-Nitroaniline	50.00	44.43	88.9	35 - 120
3-Nitroaniline	50.00	39.91	79.8	20 - 125
2-Nitroaniline	50.00	53.39	107	50 - 115
Nitrobenzene	50.00	50.53	101	30 - 110
4-Nitrophenol	100.0	29.09	29.1	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02003	Laboratory ID:	2B02003-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	92.40	92.4	40 - 115
N-Nitrosodiphenylamine	50.00	48.69	97.4	50 - 110
N-Nitroso-di-n-propylamine	50.00	54.28	109	35 - 130
Pentachlorophenol	100.0	98.60	98.6	40 - 115
Phenanthrene	50.00	56.40	113	50 - 115
Phenol	100.0	23.50	23.5	0 - 115
Pyrene	50.00	50.17	100	50 - 130
2,4,6-Trichlorophenol	100.0	100.4	100	50 - 115
2,4,5-Trichlorophenol	100.0	103.6	104	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03405	Laboratory ID:	2B03405-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	41.34	82.7	45 - 110
Acenaphthylene	50.00	42.17	84.3	50 - 105
Acetophenone	50.00	44.48	89.0	50 - 110
Anthracene	50.00	45.56	91.1	55 - 110
Atrazine	50.00	55.53	111	70 - 115
Benzaldehyde	50.00	39.08	78.2	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	**50.00**	**56.39**	**113**	**55 - 110**
Benzo(a)pyrene	50.00	46.43	92.9	55 - 110
Benzo(b)fluoranthene	50.00	52.87	106	45 - 120
Benzo(g,h,i)perylene	50.00	49.58	99.2	40 - 125
Benzoic acid	100.0	16.26	16.3	0 - 125
Benzo(k)fluoranthene	50.00	46.78	93.6	45 - 125
1,1-Biphenyl	50.00	44.34	88.7	50 - 110
4-Bromophenyl-phenylether	50.00	47.41	94.8	50 - 115
Butylbenzylphthalate	**50.00**	**65.70**	**131**	**45 - 115**
Caprolactam	**50.00**	**8.624**	**17.2**	**20 - 110**
Carbazole	50.00	49.60	99.2	50 - 115
4-Chloro-3-methylphenol	100.0	61.48	61.5	45 - 110
4-Chloroaniline	50.00	27.21	54.4	15 - 110
Bis(2-chloroethoxy)methane	50.00	36.82	73.6	45 - 105
Bis(2-chloroethyl)ether	50.00	32.09	64.2	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	39.15	78.3	25 - 130
2-Chloronaphthalene	50.00	33.72	67.4	50 - 105
2-Chlorophenol	100.0	49.05	49.1	35 - 105
4-Chlorophenyl phenyl ether	50.00	51.25	103	50 - 110
Chrysene	**50.00**	**58.68**	**117**	**55 - 110**
Dibenz(a,h)anthracene	50.00	48.88	97.8	40 - 125
Dibenzofuran	50.00	47.37	94.7	55 - 105
Di-n-butylphthalate	50.00	54.99	110	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03405	Laboratory ID:	2B03405-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	47.85	95.7	20 - 110
2,4-Dichlorophenol	100.0	61.50	61.5	40 - 110
Diethylphthalate	50.00	58.51	117	40 - 120
2,4-Dimethylphenol	100.0	55.64	55.6	30 - 110
Dimethyl phthalate	50.00	49.58	99.2	25 - 125
4,6-Dinitro-2-methylphenol	100.0	92.94	92.9	40 - 130
2,4-Dinitrophenol	100.0	99.03	99.0	15 - 140
2,4-Dinitrotoluene	**50.00**	**62.70**	**125**	**50 - 120**
2,6-Dinitrotoluene	50.00	54.44	109	50 - 115
Di-n-octylphthalate	50.00	62.37	125	35 - 135
1,2-Diphenylhydrazine	50.00	41.57	83.1	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	61.09	122	40 - 125
Fluoranthene	50.00	51.18	102	55 - 115
Fluorene	50.00	50.13	100	50 - 110
Hexachlorobenzene	**50.00**	**55.43**	**111**	**50 - 110**
Hexachlorobutadiene	50.00	19.48	39.0	25 - 105
Hexachlorocyclopentadiene	50.00	19.91	39.8	10 - 110
Hexachloroethane	**50.00**	**14.86**	**29.7**	**30 - 95**
Indeno(1,2,3-cd)pyrene	50.00	45.26	90.5	45 - 125
Isophorone	50.00	34.60	69.2	50 - 110
1-Methylnaphthalene	50.00	30.20	60.4	30 - 115
2-Methylnaphthalene	50.00	29.89	59.8	45 - 105
2-Methylphenol	**100.0**	**37.84**	**37.8**	**40 - 110**
3-Methylphenol/4-Methylphenol	100.0	33.75	33.7	30 - 110
Naphthalene	50.00	27.32	54.6	40 - 100
4-Nitroaniline	50.00	49.76	99.5	35 - 120
3-Nitroaniline	50.00	32.69	65.4	20 - 125
2-Nitroaniline	50.00	44.25	88.5	50 - 115
Nitrobenzene	50.00	34.13	68.3	30 - 110
4-Nitrophenol	100.0	29.12	29.1	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03405	Laboratory ID:	2B03405-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	65.02	65.0	40 - 115
N-Nitrosodiphenylamine	50.00	38.99	78.0	50 - 110
N-Nitroso-di-n-propylamine	50.00	38.57	77.1	35 - 130
Pentachlorophenol	100.0	99.29	99.3	40 - 115
Phenanthrene	50.00	47.87	95.7	50 - 115
Phenol	100.0	16.65	16.6	0 - 115
Pyrene	50.00	59.56	119	50 - 130
2,4,6-Trichlorophenol	100.0	75.82	75.8	50 - 115
2,4,5-Trichlorophenol	100.0	79.32	79.3	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02003

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	48.08	ND	46.85	97.4		45 - 110
Acenaphthylene	48.08	ND	47.69	99.2		50 - 105
Acetophenone	48.08	ND	44.94	93.5		50 - 110
Anthracene	48.08	ND	52.50	109		55 - 110
Atrazine	48.08	ND	60.01	125	*	70 - 115
Benzaldehyde	48.08	ND	46.04	95.8		10 - 180
Benzidine	48.08	ND	48.1 U	0		0 - 200
Benzo(a)anthracene	48.08	ND	53.29	111	*	55 - 110
Benzo(a)pyrene	48.08	ND	53.99	112	*	55 - 110
Benzo(b)fluoranthene	48.08	ND	57.26	119		45 - 120
Benzo(g,h,i)perylene	48.08	ND	56.65	118		40 - 125
Benzoic acid	96.15	ND	14.88	15.5		0 - 125
Benzo(k)fluoranthene	48.08	ND	50.55	105		45 - 125
1,1-Biphenyl	48.08	ND	51.72	108		50 - 110
4-Bromophenyl-phenylether	48.08	ND	55.46	115		50 - 115
Butylbenzylphthalate	48.08	ND	56.12	117	*	45 - 115
Caprolactam	48.08	ND	8.383	17.4	*	20 - 110
Carbazole	48.08	ND	51.43	107		50 - 115
4-Chloro-3-methylphenol	96.15	ND	74.58	77.6		45 - 110
4-Chloroaniline	48.08	ND	31.33	65.2		15 - 110
Bis(2-chloroethoxy)methane	48.08	ND	45.19	94.0		45 - 105
Bis(2-chloroethyl)ether	48.08	ND	39.71	82.6		35 - 110
2,2'-Oxybis-1-chloropropane	48.08	ND	39.99	83.2		25 - 130
2-Chloronaphthalene	48.08	ND	46.55	96.8		50 - 105
2-Chlorophenol	96.15	ND	56.87	59.1		35 - 105
4-Chlorophenyl phenyl ether	48.08	ND	51.56	107		50 - 110
Chrysene	48.08	ND	54.84	114	*	55 - 110
Dibenz(a,h)anthracene	48.08	ND	60.63	126	*	40 - 125
Dibenzofuran	48.08	ND	49.27	102		55 - 105
Di-n-butylphthalate	48.08	ND	57.13	119	*	55 - 115
3,3'-Dichlorobenzidine	48.08	ND	64.06	133	*	20 - 110
2,4-Dichlorophenol	96.15	ND	73.68	76.6		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02003

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	48.08	ND	54.09	113		40 - 120
2,4-Dimethylphenol	96.15	ND	72.41	75.3		30 - 110
Dimethyl phthalate	48.08	ND	52.15	108		25 - 125
4,6-Dinitro-2-methylphenol	96.15	ND	88.80	92.3		40 - 130
2,4-Dinitrophenol	96.15	ND	65.27	67.9		15 - 140
2,4-Dinitrotoluene	48.08	ND	53.55	111		50 - 120
2,6-Dinitrotoluene	48.08	ND	49.88	104		50 - 115
Di-n-octylphthalate	48.08	ND	62.57	130		35 - 135
1,2-Diphenylhydrazine	48.08	ND	52.20	109		55 - 115
Bis(2-ethylhexyl)phthalate	48.08	ND	57.52	120		40 - 125
Fluoranthene	48.08	ND	55.50	115		55 - 115
Fluorene	48.08	ND	50.47	105		50 - 110
Hexachlorobenzene	48.08	ND	56.86	118	*	50 - 110
Hexachlorobutadiene	48.08	ND	40.93	85.1		25 - 105
Hexachlorocyclopentadiene	48.08	ND	33.83	70.4		10 - 110
Hexachloroethane	48.08	ND	32.68	68.0		30 - 95
Indeno(1,2,3-cd)pyrene	48.08	ND	60.47	126	*	45 - 125
Isophorone	48.08	ND	43.76	91.0		50 - 110
1-Methylnaphthalene	48.08	ND	42.27	87.9		30 - 115
2-Methylnaphthalene	48.08	ND	43.36	90.2		45 - 105
2-Methylphenol	96.15	ND	49.08	51.0		40 - 110
3-Methylphenol/4-Methylphenol	96.15	ND	44.60	46.4		30 - 110
Naphthalene	48.08	ND	40.87	85.0		40 - 100
4-Nitroaniline	48.08	ND	43.78	91.1		35 - 120
3-Nitroaniline	48.08	ND	37.92	78.9		20 - 125
2-Nitroaniline	48.08	ND	50.46	105		50 - 115
Nitrobenzene	48.08	ND	41.46	86.2		30 - 110
4-Nitrophenol	96.15	ND	31.19	32.4		0 - 125
2-Nitrophenol	96.15	ND	78.04	81.2		40 - 115
N-Nitrosodiphenylamine	48.08	ND	45.02	93.6		50 - 110
N-Nitroso-di-n-propylamine	48.08	ND	44.11	91.7		35 - 130
Pentachlorophenol	96.15	ND	93.86	97.6		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02003

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	48.08	ND	53.24	111		50 - 115
Phenol	96.15	ND	19.97	20.8		0 - 115
Pyrene	48.08	ND	45.87	95.4		50 - 130
2,4,6-Trichlorophenol	96.15	ND	90.56	94.2		50 - 115
2,4,5-Trichlorophenol	96.15	ND	95.69	99.5		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02003

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.02	42.62	86.9	9.45		30	45 - 110
Acenaphthylene	49.02	44.09	90.0	7.83		30	50 - 105
Acetophenone	49.02	42.18	86.1	6.32		30	50 - 110
Anthracene	49.02	51.09	104	2.74		30	55 - 110
Atrazine	49.02	59.78	122	0.385	*	30	70 - 115
Benzaldehyde	49.02	43.79	89.3	5.02		30	10 - 180
Benzidine	49.02	49.0 U	0			30	0 - 200
Benzo(a)anthracene	49.02	53.08	108	0.406		30	55 - 110
Benzo(a)pyrene	49.02	53.71	110	0.510		30	55 - 110
Benzo(b)fluoranthene	49.02	56.85	116	0.719		30	45 - 120
Benzo(g,h,i)perylene	49.02	57.34	117	1.22		30	40 - 125
Benzoic acid	98.04	49.0 U	0			30	0 - 125
Benzo(k)fluoranthene	49.02	51.24	105	1.36		30	45 - 125
1,1-Biphenyl	49.02	47.24	96.4	9.05		30	50 - 110
4-Bromophenyl-phenylether	49.02	54.35	111	2.02		30	50 - 115
Butylbenzylphthalate	49.02	56.19	115	0.116		30	45 - 115
Caprolactam	49.02	8.695	17.7	3.66	*	30	20 - 110
Carbazole	49.02	50.13	102	2.56		30	50 - 115
4-Chloro-3-methylphenol	98.04	67.34	68.7	10.2		30	45 - 110
4-Chloroaniline	49.02	31.62	64.5	0.937		30	15 - 110
Bis(2-chloroethoxy)methane	49.02	41.59	84.8	8.31		30	45 - 105
Bis(2-chloroethyl)ether	49.02	37.89	77.3	4.69		30	35 - 110
2,2'-Oxybis-1-chloropropane	49.02	37.18	75.9	7.28		30	25 - 130
2-Chloronaphthalene	49.02	42.52	86.7	9.05		30	50 - 105
2-Chlorophenol	98.04	52.46	53.5	8.05		30	35 - 105
4-Chlorophenyl phenyl ether	49.02	49.10	100	4.89		30	50 - 110
Chrysene	49.02	55.23	113	0.703	*	30	55 - 110
Dibenz(a,h)anthracene	49.02	59.17	121	2.44		30	40 - 125
Dibenzofuran	49.02	46.02	93.9	6.82		30	55 - 105
Di-n-butylphthalate	49.02	55.87	114	2.22		30	55 - 115
3,3'-Dichlorobenzidine	49.02	64.48	132	0.650	*	30	20 - 110
2,4-Dichlorophenol	98.04	67.48	68.8	8.79		30	40 - 110
Diethylphthalate	49.02	52.24	107	3.48		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02003

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	98.04	66.32	67.6	8.78		30	30 - 110
Dimethyl phthalate	49.02	50.62	103	2.97		30	25 - 125
4,6-Dinitro-2-methylphenol	98.04	82.73	84.4	7.07		30	40 - 130
2,4-Dinitrophenol	98.04	56.04	57.2	15.2		30	15 - 140
2,4-Dinitrotoluene	49.02	50.98	104	4.92		30	50 - 120
2,6-Dinitrotoluene	49.02	47.20	96.3	5.52		30	50 - 115
Di-n-octylphthalate	49.02	63.44	129	1.38		30	35 - 135
1,2-Diphenylhydrazine	49.02	46.11	94.1	12.4		30	55 - 115
Bis(2-ethylhexyl)phthalate	49.02	58.98	120	2.51		30	40 - 125
Fluoranthene	49.02	53.76	110	3.17		30	55 - 115
Fluorene	49.02	47.46	96.8	6.14		30	50 - 110
Hexachlorobenzene	49.02	55.72	114	2.03	*	30	50 - 110
Hexachlorobutadiene	49.02	37.47	76.4	8.82		30	25 - 105
Hexachlorocyclopentadiene	49.02	30.58	62.4	10.1		30	10 - 110
Hexachloroethane	49.02	29.99	61.2	8.57		30	30 - 95
Indeno(1,2,3-cd)pyrene	49.02	59.13	121	2.23		30	45 - 125
Isophorone	49.02	40.37	82.4	8.06		30	50 - 110
1-Methylnaphthalene	49.02	38.35	78.2	9.72		30	30 - 115
2-Methylnaphthalene	49.02	39.10	79.8	10.3		30	45 - 105
2-Methylphenol	98.04	45.01	45.9	8.65		30	40 - 110
3-Methylphenol/4-Methylphenol	98.04	41.16	42.0	8.01		30	30 - 110
Naphthalene	49.02	37.65	76.8	8.20		30	40 - 100
4-Nitroaniline	49.02	43.17	88.1	1.40		30	35 - 120
3-Nitroaniline	49.02	38.48	78.5	1.47		30	20 - 125
2-Nitroaniline	49.02	47.28	96.4	6.52		30	50 - 115
Nitrobenzene	49.02	38.08	77.7	8.51		30	30 - 110
4-Nitrophenol	98.04	26.86	27.4	14.9		30	0 - 125
2-Nitrophenol	98.04	72.43	73.9	7.46		30	40 - 115
N-Nitrosodiphenylamine	49.02	44.39	90.6	1.39		30	50 - 110
N-Nitroso-di-n-propylamine	49.02	41.53	84.7	6.02		30	35 - 130
Pentachlorophenol	98.04	86.88	88.6	7.73		30	40 - 115
Phenanthrene	49.02	52.07	106	2.22		30	50 - 115
Phenol	98.04	18.90	19.3	5.49		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02003

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	49.02	46.80	95.5	2.01		30	50 - 130
2,4,6-Trichlorophenol	98.04	84.35	86.0	7.10		30	50 - 115
2,4,5-Trichlorophenol	98.04	90.57	92.4	5.50		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2A30004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	01/30/12 12:15	1,020.00	1.00
GW0465	1201196-03	01/30/12 12:15	1,060.00	1.00
GW0473	1201196-05	01/30/12 12:15	1,060.00	1.00
GW0474	1201196-07	01/30/12 12:15	1,060.00	1.00
GW0494	1201196-09	01/30/12 12:15	1,020.00	1.00
GW0495	1201196-11	01/30/12 12:15	1,040.00	1.00
Blank	2A30004-BLK1	01/30/12 12:15	1,000.00	1.00
LCS	2A30004-BS1	01/30/12 12:15	1,000.00	1.00
LCS Dup	2A30004-BSD1	01/30/12 12:15	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B02003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/02/12 10:30	1,060.00	1.00
GW0422	1202006-03	02/02/12 10:30	1,040.00	1.00
GW0423	1202006-05	02/02/12 10:30	1,020.00	1.00
GW0424	1202006-07	02/02/12 10:30	1,040.00	1.00
GW0436	1202006-09	02/02/12 10:30	1,040.00	1.00
GW0437	1202006-11	02/02/12 10:30	1,040.00	1.00
Blank	2B02003-BLK1	02/02/12 10:30	1,000.00	1.00
LCS	2B02003-BS1	02/02/12 10:30	1,000.00	1.00
GW0409	2B02003-MS1	02/02/12 10:30	1,040.00	1.00
GW0409	2B02003-MSD1	02/02/12 10:30	1,020.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B03405 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0382	1202022-01	02/03/12 11:25	1,020.00	1.00
GW0395	1202022-03	02/03/12 11:25	1,020.00	1.00
GW0435	1202022-05	02/03/12 11:25	1,000.00	1.00
GW0497	1202022-07	02/03/12 11:25	1,020.00	1.00
GW0400	1202028-01	02/03/12 13:57	1,000.00	1.00
GW0401	1202028-03	02/03/12 13:57	1,000.00	1.00
GW0420	1202028-05	02/03/12 13:57	1,000.00	1.00
GW0421	1202028-07	02/03/12 13:57	1,000.00	1.00
GW0496	1202028-09	02/03/12 13:57	1,020.00	1.00
Blank	2B03405-BLK1	02/03/12 11:25	1,000.00	1.00
LCS	2B03405-BS1	02/03/12 11:25	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	12/30/11
Instrument ID:	MS-BNA1	Injection Time:	15:04
Sequence:	2A00403	Lab Sample ID:	2A00403-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.8	PASS
68	Less than 2% of 69	1.18	PASS
69	Less than 200% of 198	57.4	PASS
70	Less than 2% of 69	0.341	PASS
127	40 - 60% of 198	46.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.66	PASS
275	10 - 30% of 198	18.6	PASS
365	1 - 200% of 198	1.99	PASS
441	0.001 - 100% of 443	75.9	PASS
442	40 - 200% of 198	74	PASS
443	17 - 23% of 442	19.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/03/12
Instrument ID:	MS-BNA1	Injection Time:	12:24
Sequence:	2A00403	Lab Sample ID:	2A00403-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38	PASS
68	Less than 2% of 69	0.977	PASS
69	Less than 200% of 198	51.9	PASS
70	Less than 2% of 69	0.602	PASS
127	40 - 60% of 198	43.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.57	PASS
275	10 - 30% of 198	19.2	PASS
365	1 - 200% of 198	2.04	PASS
441	0.001 - 100% of 443	79.1	PASS
442	40 - 200% of 198	72.1	PASS
443	17 - 23% of 442	19	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/10/12
Instrument ID:	MS-BNA3	Injection Time:	09:34
Sequence:	2A01401	Lab Sample ID:	2A01401-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	01/11/12
Instrument ID:	MS-BNA3	Injection Time:	09:06
Sequence:	2A01401	Lab Sample ID:	2A01401-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	40.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	49.6	PASS
70	Less than 2% of 69	0.564	PASS
127	40 - 60% of 198	53.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.96	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	2.21	PASS
441	0.001 - 100% of 443	66.7	PASS
442	40 - 200% of 198	46.6	PASS
443	17 - 23% of 442	21.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/31/12
Instrument ID:	MS-BNA3	Injection Time:	14:17
Sequence:	2B03312	Lab Sample ID:	2B03312-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	55.2	PASS
70	Less than 2% of 69	0.586	PASS
127	40 - 60% of 198	55.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.94	PASS
275	10 - 30% of 198	18.1	PASS
365	1 - 200% of 198	1.77	PASS
441	0.001 - 100% of 443	69.1	PASS
442	40 - 200% of 198	44.8	PASS
443	17 - 23% of 442	19.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/03/12
Instrument ID:	MS-BNA3	Injection Time:	14:40
Sequence:	2B03501	Lab Sample ID:	2B03501-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	49.4	PASS
70	Less than 2% of 69	0.452	PASS
127	40 - 60% of 198	51.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.38	PASS
275	10 - 30% of 198	22.9	PASS
365	1 - 200% of 198	2.31	PASS
441	0.001 - 100% of 443	71.6	PASS
442	40 - 200% of 198	51.9	PASS
443	17 - 23% of 442	22.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/04/12
Instrument ID:	MS-BNA1	Injection Time:	11:46
Sequence:	2B03710	Lab Sample ID:	2B03710-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	43.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	53.5	PASS
70	Less than 2% of 69	0.466	PASS
127	40 - 60% of 198	53.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.5	PASS
275	10 - 30% of 198	19.9	PASS
365	1 - 200% of 198	2.07	PASS
441	0.001 - 100% of 443	72	PASS
442	40 - 200% of 198	74.8	PASS
443	17 - 23% of 442	20.2	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00403	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2A00403-TUN2	SEQ-TUN1.D	01/03/12 12:24
Initial Cal Check	2A00403-ICV3	SEQ-ICV5.D	01/03/12 14:05
Initial Cal Check	2A00403-ICV4	SEQ-ICV6.D	01/03/12 14:35
MS Tune	2A00403-TUN1	SEQ-TUN1.D	12/30/11 15:04
Cal Standard	2A00403-CAL1	SEQCAL1B.D	12/30/11 19:33
Cal Standard	2A00403-CAL2	SEQCAL2B.D	12/30/11 20:04
Cal Standard	2A00403-CAL3	SEQCAL3B.D	12/30/11 20:34
Cal Standard	2A00403-CAL4	SEQCAL4B.D	12/30/11 21:05
Cal Standard	2A00403-CAL5	SEQCAL5B.D	12/30/11 21:35
Cal Standard	2A00403-CAL6	SEQCAL6B.D	12/30/11 22:06
Cal Standard	2A00403-CAL7	SEQCAL7B.D	12/30/11 22:36
Cal Standard	2A00403-CAL8	SEQCAL8B.D	12/30/11 23:06
Initial Cal Check	2A00403-ICV1	SEQ-ICV1.D	12/30/11 23:37
Initial Cal Check	2A00403-ICV2	SEQ-ICV2.D	12/31/11 00:07

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A01401	Instrument:	MS-BNA3
Calibration:	2018001		

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

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03312	Instrument:	MS-BNA3
Calibration:	2018001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03312-TUN1	SEQ-TUN1.D	01/31/12 14:17
Calibration Check	2B03312-CCV1	SEQ-CCV1.D	01/31/12 14:41
Blank	2A30004-BLK1	A30004B1.D	01/31/12 15:12
LCS	2A30004-BS1	A30004L1.D	01/31/12 15:42
LCS Dup	2A30004-BSD1	A30004L2.D	01/31/12 16:13
GW0411	1201196-01	0119601.D	01/31/12 21:47
GW0473	1201196-05	0119605.D	01/31/12 22:47
GW0474	1201196-07	0119607.D	01/31/12 23:18
GW0494	1201196-09	0119609.D	01/31/12 23:48
GW0495	1201196-11	0119611.D	02/01/12 00:19
GW0465	1201196-03	0119603.D	02/01/12 01:49

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
Calibration:	2018001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03501-TUN1	SEQ-TUN1.D	02/03/12 14:40
Calibration Check	2B03501-CCV1	SEQ-CCV1.D	02/03/12 15:04
Blank	2B02003-BLK1	B02003B1.D	02/03/12 20:38
LCS	2B02003-BS1	B02003L1.D	02/03/12 21:09
GW0409	1202006-01	0200601.D	02/03/12 21:39
GW0409	2B02003-MS1	0200601M.D	02/03/12 22:09
GW0409	2B02003-MSD1	0200601S.D	02/03/12 22:40
GW0422	1202006-03	0200603.D	02/03/12 23:10
GW0423	1202006-05	0200605.D	02/03/12 23:41
GW0424	1202006-07	0200607.D	02/04/12 00:11
GW0436	1202006-09	0200609.D	02/04/12 00:41
GW0437	1202006-11	0200611.D	02/04/12 01:11

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03710-TUN1	SEQ-TUN1.D	02/04/12 11:46
Calibration Check	2B03710-CCV1	SEQ-CCV1.D	02/04/12 12:10
Blank	2B03405-BLK1	B03045B1.D	02/04/12 12:44
LCS	2B03405-BS1	B03045L1.D	02/04/12 13:14
GW0382	1202022-01	0202201.D	02/04/12 16:17
GW0395	1202022-03	0202203.D	02/04/12 16:47
GW0435	1202022-05	0202205.D	02/04/12 17:18
GW0497	1202022-07	0202207.D	02/04/12 17:48
GW0400	1202028-01	0202801.D	02/04/12 18:18
GW0401	1202028-03	0202803.D	02/04/12 18:48
GW0420	1202028-05	0202805.D	02/04/12 19:19
GW0421	1202028-07	0202807.D	02/04/12 19:50
GW0496	1202028-09	0202809.D	02/04/12 20:20

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03312	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03312-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 01/31/12 14:41			
1,4-Dichlorobenzene-d4	918327	5.772	753433	5.979	122	50 - 200	-0.2070	+/-0.50	
Naphthalene-d8	3043173	7.428	2615702	7.624	116	50 - 200	-0.1960	+/-0.50	
Acenaphthene-d10	1658034	9.656	1489342	9.847	111	50 - 200	-0.1910	+/-0.50	
Phenanthrene-d10	2733814	11.456	2539246	11.652	108	50 - 200	-0.1960	+/-0.50	
Chrysene-d12	2277918	15.313	1974246	15.59	115	50 - 200	-0.2770	+/-0.50	
Perylene-d12	1853520	17.963	1512987	18.266	123	50 - 200	-0.3030	+/-0.50	
Blank (2A30004-BLK1)			Lab File ID: A30004B1.D			Analyzed: 01/31/12 15:12			
1,4-Dichlorobenzene-d4	966440	5.77	918327	5.772	105	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	3331821	7.421	3043173	7.428	109	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1835548	9.643	1658034	9.656	111	50 - 200	-0.0130	+/-0.50	
Phenanthrene-d10	2952655	11.444	2733814	11.456	108	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	2571859	15.301	2277918	15.313	113	50 - 200	-0.0120	+/-0.50	
Perylene-d12	2423585	17.956	1853520	17.963	131	50 - 200	-0.0070	+/-0.50	
LCS (2A30004-BS1)			Lab File ID: A30004L1.D			Analyzed: 01/31/12 15:42			
1,4-Dichlorobenzene-d4	930114	5.775	918327	5.772	101	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	3228200	7.426	3043173	7.428	106	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1791836	9.648	1658034	9.656	108	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	3000862	11.448	2733814	11.456	110	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2556200	15.311	2277918	15.313	112	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1973013	17.961	1853520	17.963	106	50 - 200	-0.0020	+/-0.50	
LCS Dup (2A30004-BSD1)			Lab File ID: A30004L2.D			Analyzed: 01/31/12 16:13			
1,4-Dichlorobenzene-d4	977847	5.771	918327	5.772	106	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	3339215	7.427	3043173	7.428	110	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1851517	9.649	1658034	9.656	112	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	3002259	11.455	2733814	11.456	110	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2550297	15.312	2277918	15.313	112	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1987217	17.961	1853520	17.963	107	50 - 200	-0.0020	+/-0.50	
GW0411 (1201196-01)			Lab File ID: 0119601.D			Analyzed: 01/31/12 21:47			
1,4-Dichlorobenzene-d4	917533	5.771	918327	5.772	100	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	3141473	7.421	3043173	7.428	103	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1754494	9.644	1658034	9.656	106	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	2821411	11.444	2733814	11.456	103	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	2378749	15.301	2277918	15.313	104	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1988046	17.951	1853520	17.963	107	50 - 200	-0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03312	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0473 (1201196-05)			Lab File ID: 0119605.D			Analyzed: 01/31/12 22:47			
1,4-Dichlorobenzene-d4	898585	5.771	918327	5.772	98	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	3070291	7.422	3043173	7.428	101	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1671661	9.644	1658034	9.656	101	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	2612596	11.444	2733814	11.456	96	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	2294272	15.301	2277918	15.313	101	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1997900	17.956	1853520	17.963	108	50 - 200	-0.0070	+/-0.50	
GW0474 (1201196-07)			Lab File ID: 0119607.D			Analyzed: 01/31/12 23:18			
1,4-Dichlorobenzene-d4	804152	5.771	918327	5.772	88	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2766212	7.421	3043173	7.428	91	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1553724	9.644	1658034	9.656	94	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	2508462	11.444	2733814	11.456	92	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	2211513	15.301	2277918	15.313	97	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1969057	17.951	1853520	17.963	106	50 - 200	-0.0120	+/-0.50	
GW0494 (1201196-09)			Lab File ID: 0119609.D			Analyzed: 01/31/12 23:48			
1,4-Dichlorobenzene-d4	756120	5.766	918327	5.772	82	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2667688	7.417	3043173	7.428	88	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1504479	9.645	1658034	9.656	91	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	2366564	11.44	2733814	11.456	87	50 - 200	-0.0160	+/-0.50	
Chrysene-d12	2030500	15.297	2277918	15.313	89	50 - 200	-0.0160	+/-0.50	
Perylene-d12	1921367	17.952	1853520	17.963	104	50 - 200	-0.0110	+/-0.50	
GW0495 (1201196-11)			Lab File ID: 0119611.D			Analyzed: 02/01/12 00:19			
1,4-Dichlorobenzene-d4	677224	5.768	918327	5.772	74	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2288416	7.419	3043173	7.428	75	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1261539	9.641	1658034	9.656	76	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2004624	11.441	2733814	11.456	73	50 - 200	-0.0150	+/-0.50	
Chrysene-d12	1890401	15.293	2277918	15.313	83	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1898456	17.948	1853520	17.963	102	50 - 200	-0.0150	+/-0.50	
GW0465 (1201196-03)			Lab File ID: 0119603.D			Analyzed: 02/01/12 01:49			
1,4-Dichlorobenzene-d4	722031	5.774	918327	5.772	79	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	3083679	7.435	3043173	7.428	101	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	1390682	9.652	1658034	9.656	84	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	2247424	11.447	2733814	11.456	82	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1906887	15.294	2277918	15.313	84	50 - 200	-0.0190	+/-0.50	
Perylene-d12	1615002	17.949	1853520	17.963	87	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03501-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/03/12 15:04			
1,4-Dichlorobenzene-d4	886083	5.719	753433	5.979	118	50 - 200	-0.2600	+/-0.50	
Naphthalene-d8	2916385	7.375	2615702	7.624	111	50 - 200	-0.2490	+/-0.50	
Acenaphthene-d10	1583765	9.598	1489342	9.847	106	50 - 200	-0.2490	+/-0.50	
Phenanthrene-d10	2648213	11.398	2539246	11.652	104	50 - 200	-0.2540	+/-0.50	
Chrysene-d12	2397131	15.234	1974246	15.59	121	50 - 200	-0.3560	+/-0.50	
Perylene-d12	1820620	17.873	1512987	18.266	120	50 - 200	-0.3930	+/-0.50	
Blank (2B02003-BLK1)			Lab File ID: B02003B1.D			Analyzed: 02/03/12 20:38			
1,4-Dichlorobenzene-d4	837970	5.715	886083	5.719	95	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2837887	7.366	2916385	7.375	97	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1580381	9.588	1583765	9.598	100	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2499917	11.389	2648213	11.398	94	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2040316	15.219	2397131	15.234	85	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1662025	17.858	1820620	17.873	91	50 - 200	-0.0150	+/-0.50	
LCS (2B02003-BS1)			Lab File ID: B02003L1.D			Analyzed: 02/03/12 21:09			
1,4-Dichlorobenzene-d4	764438	5.717	886083	5.719	86	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2597318	7.373	2916385	7.375	89	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1453990	9.59	1583765	9.598	92	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2397593	11.39	2648213	11.398	91	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2171656	15.226	2397131	15.234	91	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1737282	17.87	1820620	17.873	95	50 - 200	-0.0030	+/-0.50	
GW0409 (1202006-01)			Lab File ID: 0200601.D			Analyzed: 02/03/12 21:39			
1,4-Dichlorobenzene-d4	672927	5.711	886083	5.719	76	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2278263	7.362	2916385	7.375	78	50 - 200	-0.0130	+/-0.50	
Acenaphthene-d10	1231189	9.59	1583765	9.598	78	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1959175	11.385	2648213	11.398	74	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1713297	15.215	2397131	15.234	71	50 - 200	-0.0190	+/-0.50	
Perylene-d12	1407437	17.859	1820620	17.873	77	50 - 200	-0.0140	+/-0.50	
Matrix Spike (2B02003-MS1)			Lab File ID: 0200601M.D			Analyzed: 02/03/12 22:09			
1,4-Dichlorobenzene-d4	724445	5.713	886083	5.719	82	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2434689	7.369	2916385	7.375	83	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1339938	9.592	1583765	9.598	85	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2221237	11.392	2648213	11.398	84	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2122095	15.228	2397131	15.234	89	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1756557	17.867	1820620	17.873	96	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2B02003-MSD1)			Lab File ID: 0200601S.D			Analyzed: 02/03/12 22:40			
1,4-Dichlorobenzene-d4	701333	5.716	886083	5.719	79	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2388170	7.367	2916385	7.375	82	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1315233	9.589	1583765	9.598	83	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2143455	11.39	2648213	11.398	81	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1964083	15.225	2397131	15.234	82	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1598810	17.864	1820620	17.873	88	50 - 200	-0.0090	+/-0.50	
GW0422 (1202006-03)			Lab File ID: 0200603.D			Analyzed: 02/03/12 23:10			
1,4-Dichlorobenzene-d4	977239	5.715	886083	5.719	110	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3312138	7.366	2916385	7.375	114	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1861449	9.588	1583765	9.598	118	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2995506	11.388	2648213	11.398	113	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	2817757	15.219	2397131	15.234	118	50 - 200	-0.0150	+/-0.50	
Perylene-d12	2569747	17.868	1820620	17.873	141	50 - 200	-0.0050	+/-0.50	
GW0423 (1202006-05)			Lab File ID: 0200605.D			Analyzed: 02/03/12 23:41			
1,4-Dichlorobenzene-d4	922334	5.715	886083	5.719	104	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3178257	7.365	2916385	7.375	109	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1769113	9.588	1583765	9.598	112	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2755947	11.388	2648213	11.398	104	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	2428592	15.218	2397131	15.234	101	50 - 200	-0.0160	+/-0.50	
Perylene-d12	2227627	17.863	1820620	17.873	122	50 - 200	-0.0100	+/-0.50	
GW0424 (1202006-07)			Lab File ID: 0200607.D			Analyzed: 02/04/12 00:11			
1,4-Dichlorobenzene-d4	961259	5.711	886083	5.719	108	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	3273289	7.368	2916385	7.375	112	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1837132	9.59	1583765	9.598	116	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2892607	11.39	2648213	11.398	109	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2682104	15.22	2397131	15.234	112	50 - 200	-0.0140	+/-0.50	
Perylene-d12	2366813	17.865	1820620	17.873	130	50 - 200	-0.0080	+/-0.50	
GW0436 (1202006-09)			Lab File ID: 0200609.D			Analyzed: 02/04/12 00:41			
1,4-Dichlorobenzene-d4	735749	5.714	886083	5.719	83	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2495012	7.364	2916385	7.375	86	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1356954	9.587	1583765	9.598	86	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	2139310	11.387	2648213	11.398	81	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1976787	15.217	2397131	15.234	82	50 - 200	-0.0170	+/-0.50	
Perylene-d12	1723624	17.862	1820620	17.873	95	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03501	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0437 (1202006-11)			Lab File ID: 0200611.D			Analyzed: 02/04/12 01:11			
1,4-Dichlorobenzene-d4	804664	5.713	886083	5.719	91	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2713810	7.364	2916385	7.375	93	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1536250	9.586	1583765	9.598	97	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	2457744	11.387	2648213	11.398	93	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	2194301	15.217	2397131	15.234	92	50 - 200	-0.0170	+/-0.50	
Perylene-d12	1882867	17.861	1820620	17.873	103	50 - 200	-0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03710-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/04/12 12:10			
1,4-Dichlorobenzene-d4	692802	5.516	957868	5.82	72	50 - 200	-0.3040	+/-0.50	
Naphthalene-d8	2732839	7.182	3688764	7.481	74	50 - 200	-0.2990	+/-0.50	
Acenaphthene-d10	1150001	9.4	1667134	9.698	69	50 - 200	-0.2980	+/-0.50	
Phenanthrene-d10	2064461	11.196	2560897	11.491	81	50 - 200	-0.2950	+/-0.50	
Chrysene-d12	1318766	14.891	1975219	15.33	67	50 - 200	-0.4390	+/-0.50	
Perylene-d12	882134	17.452	1361705	17.952	65	50 - 200	-0.5000	+/-0.50	
Blank (2B03405-BLK1)			Lab File ID: B03045B1.D			Analyzed: 02/04/12 12:44			
1,4-Dichlorobenzene-d4	587253	5.501	692802	5.516	85	50 - 200	-0.0150	+/-0.50	
Naphthalene-d8	2138315	7.17	2732839	7.182	78	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	946054	9.393	1150001	9.4	82	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1513342	11.18	2064461	11.196	73	50 - 200	-0.0160	+/-0.50	
Chrysene-d12	1161419	14.879	1318766	14.891	88	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1020187	17.443	882134	17.452	116	50 - 200	-0.0090	+/-0.50	
LCS (2B03405-BS1)			Lab File ID: B03045L1.D			Analyzed: 02/04/12 13:14			
1,4-Dichlorobenzene-d4	725290	5.507	692802	5.516	105	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2854077	7.182	2732839	7.182	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1225891	9.397	1150001	9.4	107	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2161962	11.193	2064461	11.196	105	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1385899	14.896	1318766	14.891	105	50 - 200	0.0050	+/-0.50	
Perylene-d12	928753	17.448	882134	17.452	105	50 - 200	-0.0040	+/-0.50	
GW0382 (1202022-01)			Lab File ID: 0202201.D			Analyzed: 02/04/12 16:17			
1,4-Dichlorobenzene-d4	685233	5.508	692802	5.516	99	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2638331	7.179	2732839	7.182	97	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1140946	9.393	1150001	9.4	99	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1844820	11.182	2064461	11.196	89	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1506628	14.883	1318766	14.891	114	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1301568	17.45	882134	17.452	148	50 - 200	-0.0020	+/-0.50	
GW0395 (1202022-03)			Lab File ID: 0202203.D			Analyzed: 02/04/12 16:47			
1,4-Dichlorobenzene-d4	579996	5.504	692802	5.516	84	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	2177952	7.174	2732839	7.182	80	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1009360	9.398	1150001	9.4	88	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1618160	11.177	2064461	11.196	78	50 - 200	-0.0190	+/-0.50	
Chrysene-d12	1068526	14.88	1318766	14.891	81	50 - 200	-0.0110	+/-0.50	
Perylene-d12	673714	17.438	882134	17.452	76	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0435 (1202022-05)			Lab File ID: 0202205.D			Analyzed: 02/04/12 17:18			
1,4-Dichlorobenzene-d4	600590	5.506	692802	5.516	87	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2340456	7.177	2732839	7.182	86	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1045170	9.394	1150001	9.4	91	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1763450	11.176	2064461	11.196	85	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	1351826	14.877	1318766	14.891	103	50 - 200	-0.0140	+/-0.50	
Perylene-d12	1086967	17.443	882134	17.452	123	50 - 200	-0.0090	+/-0.50	
GW0497 (1202022-07)			Lab File ID: 0202207.D			Analyzed: 02/04/12 17:48			
1,4-Dichlorobenzene-d4	550910	5.504	692802	5.516	80	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	2062038	7.173	2732839	7.182	75	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	967341	9.397	1150001	9.4	84	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1564618	11.177	2064461	11.196	76	50 - 200	-0.0190	+/-0.50	
Chrysene-d12	1069096	14.877	1318766	14.891	81	50 - 200	-0.0140	+/-0.50	
Perylene-d12	778305	17.442	882134	17.452	88	50 - 200	-0.0100	+/-0.50	
GW0400 (1202028-01)			Lab File ID: 0202801.D			Analyzed: 02/04/12 18:18			
1,4-Dichlorobenzene-d4	570043	5.507	692802	5.516	82	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2167220	7.17	2732839	7.182	79	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1021196	9.399	1150001	9.4	89	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1705155	11.183	2064461	11.196	83	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1379405	14.885	1318766	14.891	105	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1155486	17.442	882134	17.452	131	50 - 200	-0.0100	+/-0.50	
GW0401 (1202028-03)			Lab File ID: 0202803.D			Analyzed: 02/04/12 18:48			
1,4-Dichlorobenzene-d4	600547	5.507	692802	5.516	87	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2346817	7.17	2732839	7.182	86	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1111874	9.391	1150001	9.4	97	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1818671	11.185	2064461	11.196	88	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1429911	14.886	1318766	14.891	108	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1164832	17.443	882134	17.452	132	50 - 200	-0.0090	+/-0.50	
GW0420 (1202028-05)			Lab File ID: 0202805.D			Analyzed: 02/04/12 19:19			
1,4-Dichlorobenzene-d4	743157	5.513	692802	5.516	107	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2732292	7.173	2732839	7.182	100	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1229289	9.397	1150001	9.4	107	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2048939	11.177	2064461	11.196	99	50 - 200	-0.0190	+/-0.50	
Chrysene-d12	1711311	14.889	1318766	14.891	130	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1546245	17.456	882134	17.452	175	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03710	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0421 (1202028-07)			Lab File ID: 0202807.D			Analyzed: 02/04/12 19:50			
1,4-Dichlorobenzene-d4	643434	5.514	692802	5.516	93	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2252740	7.173	2732839	7.182	82	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	952120	9.396	1150001	9.4	83	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1513403	11.174	2064461	11.196	73	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	1101980	14.874	1318766	14.891	84	50 - 200	-0.0170	+/-0.50	
Perylene-d12	1064209	17.448	882134	17.452	121	50 - 200	-0.0040	+/-0.50	
GW0496 (1202028-09)			Lab File ID: 0202809.D			Analyzed: 02/04/12 20:20			
1,4-Dichlorobenzene-d4	647783	5.504	692802	5.516	94	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	2494825	7.174	2732839	7.182	91	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1154963	9.398	1150001	9.4	100	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1818291	11.178	2064461	11.196	88	50 - 200	-0.0180	+/-0.50	
Chrysene-d12	1470698	14.878	1318766	14.891	112	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1245346	17.452	882134	17.452	141	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.071268	10	1.089489	20	1.179125	40	1.196642	50	1.255395	60	1.203108
Acenaphthylene	5	1.784981	10	1.832789	20	1.980749	40	2.001126	50	2.0294	60	2.047273
Acetophenone	5	1.636672	10	1.65581	20	1.771375	40	1.785398	50	1.75751	60	1.771246
Aniline	5	2.594612	10	2.56743	20	2.718704	40	2.710284	50	2.652674	60	2.586908
Anthracene	5	0.989852	10	0.9681663	20	1.106699	40	1.160875	50	1.217411	60	1.226206
Atrazine	5	0.1719309	10	0.1730819	20	0.1905661	40	0.1886698	50	0.1869391	60	0.1987074
Benzaldehyde	5	1.165489	10	1.125415	20	1.117798	40	1.012492	50	0.9324737	60	0.8760965
Benzidine	5	0.540307	10	0.5990194	20	0.6884007	40	0.7126729	50	0.7076057	60	0.72521
Benzo(a)anthracene	5	0.9769498	10	0.9911297	20	1.074361	40	1.086792	50	1.127223	60	1.117185
Benzo(a)pyrene	5	0.9425629	10	0.9559453	20	1.026732	40	1.11427	50	1.133128	60	1.142578
Benzo(b)fluoranthene	5	1.130482	10	1.107112	20	1.182065	40	1.240831	50	1.427374	60	1.373987
Benzo(g,h,i)perylene	5	0.6725181	10	0.6015658	20	0.6353212	40	0.6972531	50	0.7123594	60	0.7834742
Benzoic acid	5	0.2033657	10	0.2170163	20	0.2328416	40	0.2552584	50	0.2638639	60	0.260665
Benzo(k)fluoranthene	5	1.191909	10	1.199504	20	1.27266	40	1.370261	50	1.250607	60	1.273529
Benzyl alcohol	5	0.9115594	10	0.9552297	20	1.001461	40	0.9892783	50	1.008874	60	1.011057
1,1-Biphenyl	5	1.406802	10	1.414976	20	1.522417	40	1.521564	50	1.473458	60	1.379793
4-Bromophenyl-phenylether	5	0.1877376	10	0.1924024	20	0.2061392	40	0.2073605	50	0.2291511	60	0.2173402
Butylbenzylphthalate	5	0.7102507	10	0.6823461	20	0.7685724	40	0.7380858	50	0.7371777	60	0.7204959
Caprolactam	5	9.543981E-02	10	9.822004E-02	20	0.1100426	40	9.167488E-02	50	8.799201E-02	60	9.245135E-02
Carbazole	5	0.9044466	10	0.8711763	20	0.9984974	40	1.001538	50	1.102071	60	1.075117
4-Chloro-3-methylphenol	5	0.2455713	10	0.2397575	20	0.267994	40	0.274776	50	0.2725152	60	0.2777436
4-Chloroaniline	5	0.4063301	10	0.4074763	20	0.4290172	40	0.431553	50	0.4472664	60	0.4384061
Bis(2-chloroethoxy)methane	5	0.5064866	10	0.4793448	20	0.5098204	40	0.5285692	50	0.5292365	60	0.5320932
Bis(2-chloroethyl)ether	5	1.708872	10	1.71009	20	1.753286	40	1.763942	50	1.770969	60	1.780684
2,2'-Oxybis-1-chloropropane	5	2.293631	10	2.223176	20	2.366522	40	2.394343	50	2.340954	60	2.33003
2-Chloronaphthalene	5	1.141103	10	1.132191	20	1.221344	40	1.18373	50	1.194464	60	1.179508
2-Chlorophenol	5	1.372174	10	1.357634	20	1.426732	40	1.438209	50	1.454363	60	1.45539
4-Chlorophenyl phenyl ether	5	0.5106085	10	0.5263665	20	0.603384	40	0.579074	50	0.5089984	60	0.4825959
Chrysene	5	0.9694926	10	0.9302481	20	0.9958834	40	0.9802959	50	1.029414	60	1.008462
Dibenz(a,h)anthracene	5	0.6475406	10	0.6015193	20	0.661786	40	0.7343955	50	0.7436478	60	0.8560664
Dibenzofuran	5	1.445852	10	1.47876	20	1.579426	40	1.631084	50	1.634658	60	1.702307

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.288686	10	1.25833	20	1.535668	40	1.53647	50	1.549727	60	1.565337
1,4-Dichlorobenzene	5	1.487302	10	1.523171	20	1.585304	40	1.632581	50	1.631179	60	1.690529
1,3-Dichlorobenzene	5	1.497591	10	1.493303	20	1.536682	40	1.563404	50	1.57722	60	1.623305
1,2-Dichlorobenzene	5	1.404935	10	1.380284	20	1.46937	40	1.516411	50	1.508328	60	1.549097
3,3'-Dichlorobenzidine	5	0.3590271	10	0.3660438	20	0.4075339	40	0.4144199	50	0.4098625	60	0.4104774
2,6-Dichlorophenol	5	0.2211737	10	0.2221111	20	0.2424134	40	0.2546647	50	0.2510716	60	0.2493067
2,4-Dichlorophenol	5	0.2382933	10	0.2362189	20	0.2437237	40	0.2536942	50	0.2594614	60	0.2699867
Diethylphthalate	5	1.142512	10	1.194512	20	1.314235	40	1.382796	50	1.348636	60	1.391273
2,4-Dimethylphenol	5	0.321888	10	0.3207582	20	0.3412809	40	0.3530161	50	0.3464826	60	0.3399808
Dimethyl phthalate	5	1.172413	10	1.164488	20	1.309103	40	1.286831	50	1.31974	60	1.351876
4,6-Dinitro-2-methylphenol	5	7.511963E-02	10	9.141416E-02	20	0.1193065	40	0.1403723	50	0.1484371	60	0.1460889
2,4-Dinitrophenol	5	6.194306E-02	10	8.591946E-02	20	0.1398324	40	0.1661486	50	0.178531	60	0.1728717
2,4-Dinitrotoluene	5	0.3151305	10	0.3490969	20	0.4112999	40	0.4068557	50	0.4170705	60	0.4293431
2,6-Dinitrotoluene	5	0.3012355	10	0.3068519	20	0.3511689	40	0.3578771	50	0.3623212	60	0.352046
Di-n-octylphthalate	5	1.830848	10	1.873405	20	2.220331	40	2.349749	50	2.548334	60	2.377087
1,4-Dioxane	5	0.7196017	10	0.6553979	20	0.6789277	40	0.6763009	50	0.6886881	60	0.6794591
1,2-Diphenylhydrazine	5	1.145674	10	1.093007	20	1.189298	40	1.245027	50	1.331852	60	1.355237
Bis(2-ethylhexyl)phthalate	5	0.9161815	10	0.9274268	20	1.020761	40	1.035503	50	1.056038	60	1.044438
Fluoranthene	5	0.8770307	10	0.8649256	20	0.9757536	40	0.9955242	50	1.042531	60	1.050525
Fluorene	5	1.131612	10	1.166861	20	1.313018	40	1.343832	50	1.251817	60	1.160548
2-Fluorobiphenyl	5	1.372838	10	1.340343	20	1.375484	40	1.384422	50	1.417835	60	1.445495
2-Fluorophenol	10	1.447108	20	1.415984	40	1.511465	80	1.4696	100	1.47827	120	1.483744
Hexachlorobenzene	5	0.2089803	10	0.2000912	20	0.2262968	40	0.2375121	50	0.2514363	60	0.2332399
Hexachlorobutadiene	5	0.134213	10	0.1322375	20	0.1410917	40	0.1415889	50	0.1387658	60	0.1384336
Hexachlorocyclopentadiene	5	0.2676385	10	0.2752545	20	0.308511	40	0.3504553	50	0.3564575	60	0.3900373
Hexachloroethane	5	0.6147373	10	0.589406	20	0.6286475	40	0.6291326	50	0.6275502	60	0.6464037
Indeno(1,2,3-cd)pyrene	5	0.5898127	10	0.628366	20	0.6981217	40	0.7597622	50	0.8048886	60	0.8880455
Isophorone	5	0.7592172	10	0.7354006	20	0.7892216	40	0.783226	50	0.7884443	60	0.7819305
1-Methylnaphthalene	5	0.4134063	10	0.414772	20	0.4621744	40	0.4755764	50	0.4502142	60	0.4685256
2-Methylnaphthalene	5	0.411156	10	0.4254547	20	0.453344	40	0.4898595	50	0.4844376	60	0.4807749
2-Methylphenol	5	1.328662	10	1.322424	20	1.408975	40	1.420097	50	1.411159	60	1.41699

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.389788	10	1.39088	20	1.466206	40	1.471852	50	1.454444	60	1.50741
4-Methylphenol	5	1.389788	10	1.39088	20	1.466206	40	1.471852	50	1.454444	60	1.50741
3-Methylphenol/4-Methylphenol	5	1.389788	10	1.39088	20	1.466206	40	1.471852	50	1.454444	60	1.50741
Naphthalene	5	0.9471581	10	0.9402391	20	0.9956502	40	1.043409	50	1.032684	60	1.035265
4-Nitroaniline	5	0.2705957	10	0.2875747	20	0.3282423	40	0.3348567	50	0.3381019	60	0.3211905
3-Nitroaniline	5	0.3525251	10	0.363822	20	0.4054712	40	0.4306091	50	0.407224	60	0.410585
2-Nitroaniline	5	0.3685748	10	0.3767691	20	0.3931001	40	0.3753597	50	0.3876902	60	0.3838655
Nitrobenzene	5	0.3982166	10	0.3845464	20	0.3968473	40	0.4092441	50	0.4080185	60	0.42114
Nitrobenzene-d5	5	0.4209953	10	0.4022981	20	0.4148137	40	0.4144635	50	0.420961	60	0.4178876
4-Nitrophenol	5	0.1869413	10	0.2167964	20	0.2551457	40	0.2414521	50	0.2487877	60	0.2444048
2-Nitrophenol	5	0.1762477	10	0.1802587	20	0.1934795	40	0.2021252	50	0.2052127	60	0.2106639
N-Nitrosodimethylamine	5	0.6845917	10	0.6474465	20	0.662535	40	0.6138748	50	0.6012998	60	0.5848764
N-Nitrosodiphenylamine	5	0.6526692	10	0.632036	20	0.6640093	40	0.7010278	50	0.7465316	60	0.714812
N-Nitroso-di-n-propylamine	5	1.064322	10	1.036615	20	1.074081	40	1.093881	50	1.070604	60	1.088527
Pentachlorophenol	5	0.1218118	10	0.1297268	20	0.166072	40	0.1729894	50	0.1814059	60	0.1717029
Phenanthrene	5	1.038718	10	0.9839808	20	1.082434	40	1.113072	50	1.23825	60	1.125141
Phenol	5	2.304984	10	2.279727	20	2.413471	40	2.360002	50	2.342512	60	2.267554
Phenol-d6	10	1.940125	20	1.924229	40	2.002693	80	2.016447	100	1.971512	120	1.964318
Pyrene	5	1.278167	10	1.246129	20	1.356943	40	1.302128	50	1.386645	60	1.293743
Pyridine	5	2.259754	10	2.01999	20	2.163346	40	2.103217	50	2.077651	60	1.907816
Terphenyl-d14	5	0.768936	10	0.7775531	20	0.869594	40	0.8212963	50	0.8363267	60	0.8275756
1,2,4,5-Tetrachlorobenzene	5	0.1964936	10	0.2066692	20	0.2256982	40	0.2354266	50	0.2359473	60	0.2298205
2,3,4,6-Tetrachlorophenol	5	0.2410933	10	0.2571081	20	0.2985408	40	0.3012913	50	0.316094	60	0.3010841
2,4,6-Tribromophenol	10	0.1017131	20	0.1057353	40	0.1199708	80	0.1180026	100	0.1248164	120	0.1232723
1,2,4-Trichlorobenzene	5	0.2599824	10	0.2518391	20	0.2723536	40	0.2860313	50	0.2824268	60	0.2875408
2,4,6-Trichlorophenol	5	0.3555897	10	0.3643873	20	0.3756153	40	0.3710422	50	0.3914436	60	0.4013518
2,4,5-Trichlorophenol	5	0.3672921	10	0.3588658	20	0.3915569	40	0.3909272	50	0.4086902	60	0.4250583

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	80	1.194099	100	1.202362								
Acenaphthylene	80	2.058179	100	2.104919								
Acetophenone	80	1.717749	100	1.795418								
Aniline	80	2.363429	100	2.288298								
Anthracene	80	1.209589	100	1.191989								
Atrazine	80	0.181765	100	0.1942673								
Benzaldehyde	80	~~0.664755~~	100	~~0.4910986~~								
Benzidine	80	0.7122742	100	0.6485703								
Benzo(a)anthracene	80	1.109697	100	1.100216								
Benzo(a)pyrene	80	1.194208	100	1.212628								
Benzo(b)fluoranthene	80	1.512644	100	1.417242								
Benzo(g,h,i)perylene	80	0.7771692	100	0.7854181								
Benzoic acid	80	0.2728133	100	0.2734069								
Benzo(k)fluoranthene	80	1.280042	100	1.368949								
Benzyl alcohol	80	1.007173	100	1.044791								
1,1-Biphenyl	80	1.252993	100	1.114251								
4-Bromophenyl-phenylether	80	0.2167287	100	0.2085402								
Butylbenzylphthalate	80	0.7804929	100	0.7683053								
Caprolactam	80	9.196001E-02	100	8.762596E-02								
Carbazole	80	1.053484	100	1.04858								
4-Chloro-3-methylphenol	80	0.2823123	100	0.2831254								
4-Chloroaniline	80	0.3559964	100	0.3462322								
Bis(2-chloroethoxy)methane	80	0.5324406	100	0.5254019								
Bis(2-chloroethyl)ether	80	1.77451	100	1.807222								
2,2'-Oxybis-1-chloropropane	80	2.095927	100	1.974299								
2-Chloronaphthalene	80	1.062227	100	0.9776405								
2-Chlorophenol	80	1.461553	100	1.494675								
4-Chlorophenyl phenyl ether	80	0.4194895	100	0.4048296								
Chrysene	80	1.01167	100	1.042652								
Dibenz(a,h)anthracene	80	0.8764681	100	0.8779648								
Dibenzofuran	80	1.672356	100	1.538247								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	80	1.595142	100	1.333475								
1,4-Dichlorobenzene	80	1.578733	100	1.526318								
1,3-Dichlorobenzene	80	1.557842	100	1.540574								
1,2-Dichlorobenzene	80	1.503932	100	1.466365								
3,3'-Dichlorobenzidine	80	0.3822632	100	0.3646124								
2,6-Dichlorophenol	80	0.2399095	100	0.2289324								
2,4-Dichlorophenol	80	0.2776975	100	0.2715913								
Diethylphthalate	80	1.460189	100	1.398213								
2,4-Dimethylphenol	80	0.3452533	100	0.3441485								
Dimethyl phthalate	80	1.351411	100	1.296976								
4,6-Dinitro-2-methylphenol	80	0.1637932	100	0.1618944								
2,4-Dinitrophenol	80	~~0.2047989~~	100	~~0.2130038~~								
2,4-Dinitrotoluene	80	0.4216596	100	0.442826								
2,6-Dinitrotoluene	80	0.3585537	100	0.3556663								
Di-n-octylphthalate	80	~~2.786789~~	100	~~2.736878~~								
1,4-Dioxane	80	0.6523432	100	0.6653643								
1,2-Diphenylhydrazine	80	1.31542	100	1.325213								
Bis(2-ethylhexyl)phthalate	80	1.109947	100	1.125001								
Fluoranthene	80	1.028476	100	0.952996								
Fluorene	80	1.013575	100	0.9859699								
2-Fluorobiphenyl	80	1.443913	100	1.453119								
2-Fluorophenol	160	1.357778	200	1.395101								
Hexachlorobenzene	80	0.2269856	100	0.233656								
Hexachlorobutadiene	80	0.1316142	100	0.1247277								
Hexachlorocyclopentadiene	80	0.3477592	100	0.3422301								
Hexachloroethane	80	0.5915631	100	0.5543189								
Indeno(1,2,3-cd)pyrene	80	0.9058981	100	0.9126223								
Isophorone	80	0.7738144	100	0.7448179								
1-Methylnaphthalene	80	0.4685241	100	0.4525944								
2-Methylnaphthalene	80	0.4978921	100	0.4477297								
2-Methylphenol	80	1.440295	100	1.438777								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2004002		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	12/30/11 19:33	12/30/11 23:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.464285	100	1.511053								
4-Methylphenol	80	1.464285	100	1.511053								
3-Methylphenol/4-Methylphenol	80	1.464285	100	1.511053								
Naphthalene	80	0.9330205	100	0.9130988								
4-Nitroaniline	80	0.3337194	100	0.3315577								
3-Nitroaniline	80	0.4481202	100	0.4156356								
2-Nitroaniline	80	0.3843078	100	0.3902637								
Nitrobenzene	80	0.4216404	100	0.4108043								
Nitrobenzene-d5	80	0.4317517	100	0.4217357								
4-Nitrophenol	80	0.2429874	100	0.2443708								
2-Nitrophenol	80	0.2068258	100	0.2068659								
N-Nitrosodimethylamine	80	0.5614909	100	0.5536147								
N-Nitrosodiphenylamine	80	0.7564173	100	0.7039366								
N-Nitroso-di-n-propylamine	80	0.9990254	100	0.9393201								
Pentachlorophenol	80	0.1861843	100	0.1776022								
Phenanthrene	80	1.186516	100	1.088199								
Phenol	80	2.043218	100	2.078936								
Phenol-d6	160	1.816637	200	1.787964								
Pyrene	80	1.423305	100	1.454852								
Pyridine	80	1.889443	100	1.896634								
Terphenyl-d14	80	0.8304707	100	0.8475289								
1,2,4,5-Tetrachlorobenzene	80	0.2372183	100	0.2266107								
2,3,4,6-Tetrachlorophenol	80	0.3111708	100	0.3006594								
2,4,6-Tribromophenol	160	0.1104081	200	0.1044657								
1,2,4-Trichlorobenzene	80	0.2935365	100	0.2929683								
2,4,6-Trichlorophenol	80	0.3931264	100	0.4129942								
2,4,5-Trichlorophenol	80	0.417242	100	0.4260825								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2004002		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	12/30/11 19:33	12/30/11 23:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.173936	5.282129	9.745	0.1167913			CCC (30)	
Acenaphthylene	1.979927	5.689698	9.51175	0.1019977			15	
Acetophenone	1.736397	3.479706	6.396125	0.2038089			15	
Aniline	2.560292	6.10104	5.46525	0.2122535			15	
Anthracene	1.133848	9.085314	11.57813	9.711506E-02			15	
Atrazine	0.1857409	5.151554	11.21862	0.1319023			15	
Benzaldehyde	1.038294	11.25334	5.273167	5.669931E-02			15	
Benzidine	0.6667575	9.923063	13.23725	0.0693671			15	
Benzo(a)anthracene	1.072944	5.354042	15.29087	5.664337E-02			15	
Benzo(a)pyrene	1.090257	9.482744	17.84012	8.900482E-02			CCC (30)	
Benzo(b)fluoranthene	1.298967	11.78369	17.26262	8.913773E-02			15	
Benzo(g,h,i)perylene	0.7081349	9.910742	20.28512	0.1073181			15	
Benzoic acid	0.2474039	10.69963	7.305375	1.007314			15	
Benzo(k)fluoranthene	1.275933	5.226168	17.30775	0.1007186			15	
Benzyl alcohol	0.9911779	4.103385	6.0505	0.2549744			15	
1,1-Biphenyl	1.385782	10.11308	8.980875	0.0641647			15	
4-Bromophenyl-phenylether	0.208175	6.466653	10.95213	0.0658037			15	
Butylbenzylphthalate	0.7382158	4.531354	14.43387	5.862906E-02			15	
Caprolactam	9.442583E-02	7.641898	8.071625	0.8084731			15	
Carbazole	1.006864	8.106585	11.78525	0.0812892			15	
4-Chloro-3-methylphenol	0.2679744	6.140787	8.252125	0.2005382			CCC (30)	
4-Chloroaniline	0.4077847	9.261848	7.620875	0.1289999			15	
Bis(2-chloroethoxy)methane	0.5179242	3.57028	7.221	0.1571934			15	
Bis(2-chloroethyl)ether	1.758697	1.93903	5.549375	0.1985382			15	
2,2'-Oxybis-1-chloropropane	2.25236	6.529823	6.24575	9.468884E-02			15	
2-Chloronaphthalene	1.136526	7.088411	8.9895	0.1066891			15	
2-Chlorophenol	1.432591	3.233566	5.5955	0.1495837			15	
4-Chlorophenyl phenyl ether	0.5044183	13.7178	10.36263	0.0736364			15	
Chrysene	0.9960148	3.59332	15.37275	9.043114E-02			15	
Dibenz(a,h)anthracene	0.7499236	14.62734	19.83875	0.0879536			15	
Dibenzofuran	1.585336	5.78351	9.9335	7.612057E-02			15	
Di-n-butylphthalate	1.457854	9.524954	12.27213	5.497543E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.58189	4.294551	5.846875	9.534545E-02			CCC (30)	
1,3-Dichlorobenzene	1.54874	2.736184	5.777375	9.660933E-02			15	
1,2-Dichlorobenzene	1.47484	3.898379	6.0885	9.317147E-02			15	
3,3'-Dichlorobenzidine	0.38928	6.103034	15.31025	6.133041E-02			15	
2,6-Dichlorophenol	0.2386979	5.515855	7.61975	9.382641E-02			15	
2,4-Dichlorophenol	0.2563334	6.223441	7.32625	0.1667413			CCC (30)	
Diethylphthalate	1.329046	8.155599	10.305	0.1220657			15	
2,4-Dimethylphenol	0.3391011	3.434936	7.09775	0.1603194			15	
Dimethyl phthalate	1.281605	5.743222	9.4455	0.1642946			15	
4,6-Dinitro-2-methylphenol	0.1308033	24.98347	10.49988	0.1983555	0.9966339		0.995	
2,4-Dinitrophenol	0.1342077	36.60208	9.806167	0.1232133	0.9975888		SPCC (0.05)	
2,4-Dinitrotoluene	0.3991603	10.96877	10.003	0.1500001			15	
2,6-Dinitrotoluene	0.3432151	7.133609	9.52875	0.1384952			15	
Di-n-octylphthalate	2.199959	13.15024	16.63317	0.0361858			CCC (30)	
1,4-Dioxane	0.6770104	3.144184	2.53325	0.2038044			15	
1,2-Diphenylhydrazine	1.250091	7.823289	10.55225	9.909933E-02			15	
Bis(2-ethylhexyl)phthalate	1.029412	7.333376	15.495	3.207131E-02			15	
Fluoranthene	0.9734703	7.338693	13.03213	6.965115E-02			CCC (30)	
Fluorene	1.170904	11.054	10.35525	7.265311E-02			15	
2-Fluorobiphenyl	1.404181	2.965558	8.875	8.563782E-02			15	
2-Fluorophenol	1.444881	3.56518	4.26175	0.1685766			15	
Hexachlorobenzene	0.2272748	7.132747	11.12937	5.845867E-02			15	
Hexachlorobutadiene	0.135334	4.243227	7.744375	4.897247E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3297929	12.8315	8.6705	6.084648E-02			SPCC (0.05)	
Hexachloroethane	0.6102199	4.89025	6.481625	8.517071E-02			15	
Indeno(1,2,3-cd)pyrene	0.7734396	16.32993	19.80075	9.504357E-02	0.9960289		0.995	
Isophorone	0.7695091	2.684466	6.917125	0.2223126			15	
1-Methylnaphthalene	0.4507234	5.350739	8.51625	5.463623E-02			15	
2-Methylnaphthalene	0.4613311	6.91124	8.37925	0.0496407			15	
2-Methylphenol	1.398422	3.322558	6.2205	0.1462883			15	
3-Methylphenol	1.45699	3.147096	6.4205	0.2703773			15	
4-Methylphenol	1.45699	3.147096	6.4205	0.2703773			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2004002	Instrument:	MS-BNA1		
Matrix:	Water	Calibration Dates:	12/30/11 19:33	12/30/11 23:06	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.45699	3.147096	6.4205	0.2703773			15	
Naphthalene	0.9800656	5.376729	7.50725	8.124625E-02			15	
4-Nitroaniline	0.3182299	7.884334	10.46113	0.2523866			15	
3-Nitroaniline	0.404249	7.883483	9.696125	0.1796829			15	
2-Nitroaniline	0.3824914	2.170473	9.17175	0.1168084			15	
Nitrobenzene	0.4063072	3.106743	6.617125	0.1895533			15	
Nitrobenzene-d5	0.4181133	2.000894	6.591625	0.1397096			15	
4-Nitrophenol	0.2351108	9.535882	9.906375	0.1911724			SPCC (0.05)	
2-Nitrophenol	0.1977099	6.604654	7.027	8.863303E-02			CCC (30)	
N-Nitrosodimethylamine	0.6137162	7.75838	2.86	0.2099908			15	
N-Nitrosodiphenylamine	0.69643	6.337661	10.52813	0.1353504			CCC (30)	
N-Nitroso-di-n-propylamine	1.045797	5.047601	6.446125	0.3850959			SPCC (0.05)	
Pentachlorophenol	0.1634369	14.76542	11.35262	6.067648E-02			CCC (30)	
Phenanthrene	1.107039	7.215873	11.52437	6.405681E-02			15	
Phenol	2.261301	5.852363	5.46025	0.3584612			CCC (30)	
Phenol-d6	1.927991	4.330112	5.442875	0.327317			15	
Pyrene	1.342739	5.54055	13.34575	7.930715E-02			15	
Pyridine	2.039731	6.681465	2.8515	0.1633525			15	
Terphenyl-d14	0.8224102	4.114583	13.597	6.456995E-02			15	
1,2,4,5-Tetrachlorobenzene	0.2242356	6.63206	8.64325	5.143596E-02			15	
2,3,4,6-Tetrachlorophenol	0.2908802	9.218803	10.14638	8.855297E-02			15	
2,4,6-Tribromophenol	0.113548	7.989401	10.68588	0.1150016			15	
1,2,4-Trichlorobenzene	0.2783349	5.566892	7.4315	5.139458E-02			15	
2,4,6-Trichlorophenol	0.3831938	5.130237	8.779125	0.1088016			CCC (30)	
2,4,5-Trichlorophenol	0.3982144	6.417074	8.826375	0.126846			15	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.099645	10	1.08721	20	1.088531	40	1.08538	50	1.076802	60	1.066093
Acenaphthylene	5	1.687829	10	1.647954	20	1.658343	40	1.647007	50	1.62504	60	1.599837
Acetophenone	5	1.752095	10	1.720408	20	1.710806	40	1.67988	50	1.694411	60	1.667245
Aniline	5	1.951884	10	1.953217	20	1.980605	40	1.931454	50	1.973735	60	1.979408
Anthracene	5	1.093072	10	1.071359	20	1.074787	40	1.041736	50	1.042786	60	1.030433
Atrazine	5	0.2190275	10	0.2182218	20	0.2209032	40	0.2145689	50	0.2143194	60	0.2159646
Benzaldehyde	5		10		20		40		50		60	
Benzidine	5	0.4596811	10	0.482385	20	0.5252589	40	0.5095122	50	0.5058508	60	0.4514801
Benzo(a)anthracene	5	1.09225	10	1.084262	20	1.098197	40	1.092269	50	1.084065	60	1.101269
Benzo(a)pyrene	5	0.886153	10	0.963317	20	1.01147	40	1.034415	50	1.041445	60	1.049198
Benzo(b)fluoranthene	5	1.032243	10	0.9877985	20	1.035303	40	1.161608	50	1.115741	60	1.146269
Benzo(g,h,i)perylene	5	0.5963783	10	0.6614302	20	0.7195248	40	0.6732368	50	0.7076326	60	0.6689194
Benzoic acid	5	5.802461E-02	10	7.883856E-02	20	0.1324036	40	0.1578381	50	0.1778197	60	0.182594
Benzo(k)fluoranthene	5	1.135047	10	1.211179	20	1.19277	40	1.200635	50	1.187084	60	1.231869
Benzyl alcohol	5	0.7434721	10	0.7773001	20	0.7863348	40	0.7709163	50	0.7876434	60	0.7910692
1,1-Biphenyl	5	1.454972	10	1.418988	20	1.419115	40	1.417729	50	1.399993	60	1.38932
4-Bromophenyl-phenylether	5	0.2108277	10	0.2099414	20	0.2140885	40	0.2148079	50	0.2096901	60	0.2142373
Butylbenzylphthalate	5	0.5636734	10	0.5575714	20	0.5824496	40	0.6206631	50	0.5528926	60	0.605419
Caprolactam	5	9.447789E-02	10	9.279769E-02	20	9.915474E-02	40	0.1037033	50	0.105834	60	0.104064
Carbazole	5	0.9406306	10	0.8962811	20	0.8722007	40	0.8170244	50	0.8207895	60	0.7989994
4-Chloro-3-methylphenol	5	0.2617128	10	0.2691407	20	0.2793342	40	0.2855639	50	0.2922545	60	0.2932059
4-Chloroaniline	5	0.3845908	10	0.3895505	20	0.393817	40	0.397116	50	0.3988304	60	0.3988303
Bis(2-chloroethoxy)methane	5	0.4171126	10	0.4216569	20	0.4123614	40	0.4115103	50	0.4040945	60	0.407897
Bis(2-chloroethyl)ether	5	1.264741	10	1.283818	20	1.271025	40	1.233817	50	1.232407	60	1.226199
2,2'-Oxybis-1-chloropropane	5	1.465706	10	1.406555	20	1.381053	40	1.356219	50	1.358415	60	1.370043
2-Chloronaphthalene	5	1.113507	10	1.075205	20	1.075276	40	1.063572	50	1.054286	60	1.044039
2-Chlorophenol	5	1.221087	10	1.219068	20	1.219784	40	1.188589	50	1.208469	60	1.202068
4-Chlorophenyl phenyl ether	5	0.6482177	10	0.6157827	20	0.6225739	40	0.631092	50	0.6190542	60	0.6185451
Chrysene	5	1.010802	10	0.9977507	20	0.99748	40	0.9717849	50	0.9839071	60	0.9856004
Dibenz(a,h)anthracene	5	0.5046794	10	0.6144729	20	0.6878402	40	0.6685399	50	0.7209801	60	0.6943376
Dibenzofuran	5	1.504847	10	1.488855	20	1.472998	40	1.459343	50	1.43805	60	1.444506

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.167208	10	1.153333	20	1.167617	40	1.135351	50	1.132935	60	1.111009
1,4-Dichlorobenzene	5	1.423978	10	1.396775	20	1.392666	40	1.364377	50	1.367876	60	1.352092
1,3-Dichlorobenzene	5	1.430799	10	1.402348	20	1.390985	40	1.345414	50	1.352205	60	1.338377
1,2-Dichlorobenzene	5	1.349651	10	1.310427	20	1.303944	40	1.271894	50	1.261842	60	1.264202
3,3'-Dichlorobenzidine	5	0.3184516	10	0.3084023	20	0.2634906	40	0.2273891	50	0.2617596	60	0.2440206
2,6-Dichlorophenol	5	0.2709395	10	0.2770937	20	0.277417	40	0.2770466	50	0.2755368	60	0.2798496
2,4-Dichlorophenol	5	0.2704021	10	0.2713937	20	0.279538	40	0.2836583	50	0.2833367	60	0.284339
Diethylphthalate	5	1.244705	10	1.23598	20	1.248526	40	1.219631	50	1.215761	60	1.216019
2,4-Dimethylphenol	5	0.3410857	10	0.3360695	20	0.3473828	40	0.346115	50	0.3465064	60	0.3487493
Dimethyl phthalate	5	1.270836	10	1.228934	20	1.245763	40	1.225395	50	1.205088	60	1.205332
4,6-Dinitro-2-methylphenol	5	8.478589E-02	10	0.1013206	20	0.1188932	40	0.1377699	50	0.1411528	60	0.140739
2,4-Dinitrophenol	5	0.0594931	10	8.228274E-02	20	0.1228974	40	0.163001	50	0.169713	60	0.1673009
2,4-Dinitrotoluene	5	0.3712137	10	0.355763	20	0.3793753	40	0.3798592	50	0.3866123	60	0.3761076
2,6-Dinitrotoluene	5	0.2938302	10	0.2802402	20	0.289903	40	0.290434	50	0.2883838	60	0.2858714
Di-n-octylphthalate	5	1.002014	10	1.150232	20	1.27187	40	1.482825	50	1.321974	60	1.529594
1,4-Dioxane	5	0.5469412	10	0.5279591	20	0.5408384	40	0.5114261	50	0.5263037	60	0.5250487
1,2-Diphenylhydrazine	5	0.7891546	10	0.7950555	20	0.7780679	40	0.7736842	50	0.7548722	60	0.7674821
Bis(2-ethylhexyl)phthalate	5	0.6647764	10	0.6652466	20	0.6992102	40	0.7496956	50	0.6979236	60	0.718862
Fluoranthene	5	1.154032	10	1.112036	20	1.138712	40	1.063741	50	1.125929	60	1.094165
Fluorene	5	1.269481	10	1.246899	20	1.248018	40	1.26397	50	1.280691	60	1.266309
2-Fluorobiphenyl	5	1.338642	10	1.312006	20	1.284487	40	1.29555	50	1.265758	60	1.260921
2-Fluorophenol	10	1.168705	20	1.178321	40	1.201522	80	1.156708	100	1.171908	120	1.168254
Hexachlorobenzene	5	0.2251647	10	0.2251625	20	0.2184576	40	0.2174657	50	0.2120833	60	0.2181688
Hexachlorobutadiene	5	0.2067122	10	0.2047139	20	0.202529	40	0.2018527	50	0.1971157	60	0.2014732
Hexachlorocyclopentadiene	5	0.1592609	10	0.1682215	20	0.1974354	40	0.2195155	50	0.21453	60	0.2201062
Hexachloroethane	5	0.5468977	10	0.5454322	20	0.5481373	40	0.5454637	50	0.5529386	60	0.5480913
Indeno(1,2,3-cd)pyrene	5	0.6951271	10	0.7668006	20	0.8605722	40	0.8294882	50	0.8864172	60	0.8477331
Isophorone	5	0.7176842	10	0.6858946	20	0.6948028	40	0.6877675	50	0.6841187	60	0.6855726
1-Methylnaphthalene	5	0.5490121	10	0.5383268	20	0.5293866	40	0.528097	50	0.5294106	60	0.524016
2-Methylnaphthalene	5	0.5592325	10	0.5484332	20	0.5430027	40	0.5357233	50	0.5333426	60	0.5292217
2-Methylphenol	5	1.090433	10	1.045623	20	1.064363	40	1.064088	50	1.08062	60	1.070237

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.102359	10	1.086238	20	1.11617	40	1.106569	50	1.116185	60	1.112116
4-Methylphenol	5	1.102359	10	1.086238	20	1.11617	40	1.106569	50	1.116185	60	1.112116
3-Methylphenol/4-Methylphenol	5	1.102359	10	1.086238	20	1.11617	40	1.106569	50	1.116185	60	1.112116
Naphthalene	5	1.003354	10	0.9696888	20	0.9737203	40	0.9444167	50	0.9411343	60	0.9324952
4-Nitroaniline	5	0.2335456	10	0.2164311	20	0.2230828	40	0.2455072	50	0.2553614	60	0.2300693
3-Nitroaniline	5	0.2858486	10	0.2734493	20	0.2798206	40	0.2884962	50	0.2900325	60	0.2863389
2-Nitroaniline	5	0.3228904	10	0.3143443	20	0.3294999	40	0.3374943	50	0.3392579	60	0.3334089
Nitrobenzene	5	0.4153407	10	0.4085885	20	0.405041	40	0.4024612	50	0.399673	60	0.398301
Nitrobenzene-d5	5	0.403673	10	0.400511	20	0.4111902	40	0.4029672	50	0.4037066	60	0.4034839
4-Nitrophenol	5	0.1691384	10	0.1741816	20	0.2049761	40	0.2272051	50	0.2384552	60	0.2250346
2-Nitrophenol	5	0.1736607	10	0.1737003	20	0.1819372	40	0.1810132	50	0.183638	60	0.1835529
N-Nitrosodimethylamine	5	0.6573679	10	0.6454318	20	0.6691894	40	0.6418058	50	0.6719753	60	0.6627018
N-Nitrosodiphenylamine	5	0.6484735	10	0.6240569	20	0.6115685	40	0.6063833	50	0.6020161	60	0.6132258
N-Nitroso-di-n-propylamine	5	0.9242178	10	0.9400551	20	0.9545542	40	0.9306233	50	0.9383722	60	0.9335036
Pentachlorophenol	5	8.485009E-02	10	9.735697E-02	20	0.1223705	40	0.1368445	50	0.145114	60	0.1434159
Phenanthrene	5	1.088918	10	1.061706	20	1.052745	40	1.032614	50	1.019968	60	1.016345
Phenol	5	1.637383	10	1.630177	20	1.626973	40	1.601797	50	1.648957	60	1.637661
Phenol-d6	10	1.536621	20	1.509923	40	1.526047	80	1.501502	100	1.534705	120	1.517819
Pyrene	5	1.401748	10	1.324616	20	1.404005	40	1.630794	50	1.290998	60	1.502988
Pyridine	5	1.294943	10	1.275694	20	1.415272	40	1.378568	50	1.424467	60	1.372957
Terphenyl-d14	5	0.8384563	10	0.7978978	20	0.8617693	40	0.9845792	50	0.7964189	60	0.9312191
1,2,4,5-Tetrachlorobenzene	5	0.3231518	10	0.3277196	20	0.3224444	40	0.3246389	50	0.3233742	60	0.3208769
2,3,4,6-Tetrachlorophenol	5	0.2864746	10	0.2686735	20	0.2860182	40	0.3116734	50	0.3145157	60	0.3175651
2,4,6-Tribromophenol	10	8.831863E-02	20	9.188024E-02	40	9.349429E-02	80	9.906488E-02	100	9.806647E-02	120	0.100932
1,2,4-Trichlorobenzene	5	0.3531387	10	0.3541392	20	0.3559489	40	0.3424957	50	0.3398064	60	0.3417446
2,4,6-Trichlorophenol	5	0.3373467	10	0.3336926	20	0.3471189	40	0.3625883	50	0.3613885	60	0.358238
2,4,5-Trichlorophenol	5	0.3259354	10	0.3145791	20	0.3430925	40	0.3638883	50	0.3686169	60	0.367019

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	80	1.078055	100	1.083924								
Acenaphthylene	80	1.590813	100	1.582627								
Acetophenone	80	1.681868	100	1.657357	5		10		20		40	
Aniline	80	2.03324	100	2.00732								
Anthracene	80	1.036163	100	1.015191								
Atrazine	80	0.2142557	100	0.2112284	5		10		20		40	
Benzaldehyde	80		100		5	1.077012	10	1.032452	20	0.9845757	40	0.9456845
Benzidine	80	0.4462506	100	0.5849585	5		10		20		40	
Benzo(a)anthracene	80	1.110007	100	1.102757								
Benzo(a)pyrene	80	1.04125	100	1.049426								
Benzo(b)fluoranthene	80	1.146769	100	1.165826								
Benzo(g,h,i)perylene	80	0.6224872	100	0.6501711								
Benzoic acid	80	0.220804	100	0.2353538								
Benzo(k)fluoranthene	80	1.23714	100	1.173931								
Benzyl alcohol	80	0.7993491	100	0.7933769								
1,1-Biphenyl	80	1.405387	100	1.387508	5		10		20		40	
4-Bromophenyl-phenylether	80	0.2125952	100	0.2169793								
Butylbenzylphthalate	80	0.5877274	100	0.580991								
Caprolactam	80	0.1047518	100	9.711532E-02	5		10		20		40	
Carbazole	80	0.8215712	100	0.824729								
4-Chloro-3-methylphenol	80	0.2986906	100	0.2938951								
4-Chloroaniline	80	0.4059744	100	0.4103709								
Bis(2-chloroethoxy)methane	80	0.4064922	100	0.4062653								
Bis(2-chloroethyl)ether	80	1.23445	100	1.227733								
2,2'-Oxybis-1-chloropropane	80	1.380348	100	1.368149								
2-Chloronaphthalene	80	1.052567	100	1.059085								
2-Chlorophenol	80	1.233226	100	1.212419								
4-Chlorophenyl phenyl ether	80	0.6307252	100	0.6353701								
Chrysene	80	0.9711069	100	0.9786123								
Dibenz(a,h)anthracene	80	0.6646052	100	0.6987982								
Dibenzofuran	80	1.435325	100	1.424575								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	80	1.096152	100	1.082825								
1,4-Dichlorobenzene	80	1.382524	100	1.35997								
1,3-Dichlorobenzene	80	1.363283	100	1.343243								
1,2-Dichlorobenzene	80	1.28419	100	1.260076								
3,3'-Dichlorobenzidine	80	0.2832025	100	0.3055477	5		10		20		40	
2,6-Dichlorophenol	80	0.2844504	100	0.2852744	5		10		20		40	
2,4-Dichlorophenol	80	0.2882578	100	0.2883934								
Diethylphthalate	80	1.193371	100	1.192968								
2,4-Dimethylphenol	80	0.3501133	100	0.3461517								
Dimethyl phthalate	80	1.193194	100	1.195316								
4,6-Dinitro-2-methylphenol	80	0.1465772	100	0.1506947								
2,4-Dinitrophenol	80	0.1883077	100	0.190848								
2,4-Dinitrotoluene	80	0.3779444	100	0.3746262								
2,6-Dinitrotoluene	80	0.2880802	100	0.2888647								
Di-n-octylphthalate	80	1.465036	100	1.451621								
1,4-Dioxane	80	0.5209355	100	0.5114246	5		10		20		40	
1,2-Diphenylhydrazine	80	0.8636062	100	0.8483731								
Bis(2-ethylhexyl)phthalate	80	0.7265424	100	0.736408								
Fluoranthene	80	1.09946	100	1.080438								
Fluorene	80	1.282276	100	1.277203								
2-Fluorobiphenyl	80	1.263418	100	1.245619								
2-Fluorophenol	160	1.187199	200	1.18212								
Hexachlorobenzene	80	0.2175343	100	0.2177087								
Hexachlorobutadiene	80	0.1995166	100	0.1990882								
Hexachlorocyclopentadiene	80	0.2157778	100	0.2173762								
Hexachloroethane	80	0.5646521	100	0.5532471								
Indeno(1,2,3-cd)pyrene	80	0.8125731	100	0.8544885								
Isophorone	80	0.6874604	100	0.6873495								
1-Methylnaphthalene	80	0.5251143	100	0.5265685								
2-Methylnaphthalene	80	0.5425649	100	0.5363165								
2-Methylphenol	80	1.089352	100	1.071798								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.140437	100	1.137437								
4-Methylphenol	80	1.140437	100	1.137437								
3-Methylphenol/4-Methylphenol	80	1.140437	100	1.137437								
Naphthalene	80	0.9348402	100	0.9108075								
4-Nitroaniline	80	0.2507413	100	0.2521367								
3-Nitroaniline	80	0.2974626	100	0.298195								
2-Nitroaniline	80	0.339035	100	0.3380732								
Nitrobenzene	80	0.398528	100	0.3957493								
Nitrobenzene-d5	80	0.4068501	100	0.4042378								
4-Nitrophenol	80	0.2432054	100	0.2511138								
2-Nitrophenol	80	0.1870452	100	0.1869963								
N-Nitrosodimethylamine	80	0.6723763	100	0.660402								
N-Nitrosodiphenylamine	80	0.6122317	100	0.6135862								
N-Nitroso-di-n-propylamine	80	0.9547	100	0.957528								
Pentachlorophenol	80	0.1520449	100	0.1518006								
Phenanthrene	80	1.013443	100	1.016072								
Phenol	80	1.691432	100	1.683341								
Phenol-d6	160	1.562313	200	1.553038								
Pyrene	80	1.428171	100	1.447726								
Pyridine	80	1.413475	100	1.389169								
Terphenyl-d14	80	0.8887512	100	0.9050433								
1,2,4,5-Tetrachlorobenzene	80	0.3207592	100	0.3204204	5		10		20		40	
2,3,4,6-Tetrachlorophenol	80	0.3239844	100	0.3274504	5		10		20		40	
2,4,6-Tribromophenol	160	0.1042032	200	0.1055216								
1,2,4-Trichlorobenzene	80	0.3431826	100	0.3400066								
2,4,6-Trichlorophenol	80	0.3629532	100	0.3634456								
2,4,5-Trichlorophenol	80	0.3775557	100	0.3760906								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene												
Acenaphthylene												
Acetophenone	50		60		80							
Aniline												
Anthracene												
Atrazine	50		60		80							
Benzaldehyde	50	0.8692097	60	0.7985797	80	0.7391587						
Benzidine	50		60		80							
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50		60		80							
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50		60		80							
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50		60		80							
2,6-Dichlorophenol	50		60		80							
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	50		60		80							
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50		60		80							
2,3,4,6-Tetrachlorophenol	50		60		80							
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2018001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	1/10/12 9:58	1/10/12 17:07

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

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2018001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	1/10/12 9:58	1/10/12 17:07

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

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2018001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	1/10/12 9:58	1/10/12 17:07

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

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/30/11
Lab Sample ID:	2A00403-ICV1	Injection Time:	23:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	48.95	1.173936	1.149363		-2.1	20
Acenaphthylene	A	50.00	50.06	1.979927	1.98241		0.1	20
Acetophenone	A	50.00	50.47	1.736397	1.752718		0.9	20
Anthracene	A	50.00	53.48	1.133848	1.212704		7.0	20
Atrazine	A	50.00	50.86	0.1857409	0.1889183		1.7	20
Benzo(a)anthracene	A	50.00	51.47	1.072944	1.104508		2.9	20
Benzo(a)pyrene	A	50.00	51.46	1.090257	1.122099		2.9	20
Benzo(b)fluoranthene	A	50.00	50.53	1.298967	1.312847		1.1	20
Benzo(g,h,i)perylene	A	50.00	48.64	0.7081349	0.6888782		-2.7	20
Benzoic acid	A	50.00	54.69	0.2474039	0.2706273		9.4	20
Benzo(k)fluoranthene	A	50.00	51.03	1.275933	1.302141		2.1	20
1,1-Biphenyl	A	50.00	49.65	1.385782	1.376088		-0.7	20
4-Bromophenyl-phenylether	A	50.00	51.99	0.208175	0.2164697		4.0	20
Butylbenzylphthalate	A	50.00	50.19	0.7382158	0.7410046		0.4	20
Caprolactam	A	50.00	40.51	9.442583E-02	7.650017E-02		-19.0	20
Carbazole	A	50.00	52.25	1.006864	1.052153		4.5	20
4-Chloro-3-methylphenol	A	50.00	48.93	0.2679744	0.2622387		-2.1	20
4-Chloroaniline	A	50.00	46.79	0.4077847	0.3815885		-6.4	20
Bis(2-chloroethoxy)methane	A	50.00	47.62	0.5179242	0.4932332		-4.8	20
Bis(2-chloroethyl)ether	A	50.00	48.44	1.758697	1.70369		-3.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	50.59	2.25236	2.278843		1.2	20
2-Chloronaphthalene	A	50.00	51.28	1.136526	1.165561		2.6	20
2-Chlorophenol	A	50.00	49.85	1.432591	1.428393		-0.3	20
4-Chlorophenyl phenyl ether	A	50.00	50.38	0.5044183	0.5082327		0.8	20
Chrysene	A	50.00	51.15	0.9960148	1.018956		2.3	20
Dibenz(a,h)anthracene	A	50.00	50.51	0.7499236	0.7575448		1.0	20
Dibenzofuran	A	50.00	54.79	1.585336	1.737068		9.6	20
Di-n-butylphthalate	A	50.00	51.56	1.457854	1.503413		3.1	20
2,4-Dichlorophenol	A	50.00	49.83	0.2563334	0.2554505		-0.3	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/30/11
Lab Sample ID:	2A00403-ICV1	Injection Time:	23:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diethylphthalate	A	50.00	50.45	1.329046	1.341019		0.9	20
2,4-Dimethylphenol	A	50.00	50.29	0.3391011	0.3410534		0.6	20
Dimethyl phthalate	A	50.00	49.65	1.281605	1.272587		-0.7	20
4,6-Dinitro-2-methylphenol	L	50.00	52.50	0.1308033	0.1602606		5.0	20
2,4-Dinitrophenol	L	50.00	52.90	0.1342077	0.183661	0.05	5.8	20
2,4-Dinitrotoluene	A	50.00	50.12	0.3991603	0.4001014		0.2	20
2,6-Dinitrotoluene	A	50.00	49.08	0.3432151	0.3368786		-1.8	20
Di-n-octylphthalate	A	50.00	54.52	2.199959	2.399044		9.0	20
1,2-Diphenylhydrazine	A	50.00	50.92	1.250091	1.273108		1.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	49.61	1.029412	1.02143		-0.8	20
Fluoranthene	A	50.00	52.52	0.9734703	1.022607		5.0	20
Fluorene	A	50.00	50.51	1.170904	1.182759		1.0	20
Hexachlorobenzene	A	50.00	53.73	0.2272748	0.2442236		7.5	20
Hexachlorobutadiene	A	50.00	56.42	0.135334	0.1527227		12.8	20
Hexachlorocyclopentadiene	A	50.00	50.06	0.3297929	0.3301845	0.05	0.1	20
Hexachloroethane	A	50.00	50.48	0.6102199	0.6160731		1.0	20
Indeno(1,2,3-cd)pyrene	L	50.00	45.98	0.7734396	0.783849		-8.0	20
Isophorone	A	50.00	46.86	0.7695091	0.7211894		-6.3	20
1-Methylnaphthalene	A	50.00	51.25	0.4507234	0.4619524		2.5	20
2-Methylnaphthalene	A	50.00	51.08	0.4613311	0.4712972		2.2	20
2-Methylphenol	A	50.00	49.70	1.398422	1.390148		-0.6	20
3-Methylphenol/4-Methylphenol	A	50.00	49.27	1.45699	1.435763		-1.5	20
Naphthalene	A	50.00	58.20	0.9800656	1.140861		16.4	20
4-Nitroaniline	A	50.00	51.52	0.3182299	0.32792		3.0	20
3-Nitroaniline	A	50.00	48.55	0.404249	0.3925345		-2.9	20
2-Nitroaniline	A	50.00	48.81	0.3824914	0.3733786		-2.4	20
Nitrobenzene	A	50.00	47.06	0.4063072	0.3823958		-5.9	20
4-Nitrophenol	A	50.00	49.62	0.2351108	0.2333269	0.05	-0.8	20
2-Nitrophenol	A	50.00	49.93	0.1977099	0.1974347		-0.1	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/30/11
Lab Sample ID:	2A00403-ICV1	Injection Time:	23:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	55.63	0.69643	0.7747991		11.3	20
N-Nitroso-di-n-propylamine	A	50.00	49.63	1.045797	1.037993	0.05	-0.7	20
Phenanthrene	A	50.00	55.98	1.107039	1.239488		12.0	20
Phenol	A	50.00	47.49	2.261301	2.147599		-5.0	20
Pyrene	A	50.00	47.93	1.342739	1.287092		-4.1	20
2,4,6-Trichlorophenol	A	50.00	51.90	0.3831938	0.3977298		3.8	20
2,4,5-Trichlorophenol	A	50.00	51.88	0.3982144	0.4131629		3.8	20
2-Fluorobiphenyl	A	50.00	48.66	1.404181	1.366539		-2.7	20
2-Fluorophenol	A	100.0	103.1	1.444881	1.489152		3.1	20
Nitrobenzene-d5	A	50.00	47.34	0.4181133	0.395903		-5.3	20
Phenol-d6	A	100.0	96.22	1.927991	1.855071		-3.8	20
Terphenyl-d14	A	50.00	47.45	0.8224102	0.7805193		-5.1	20
2,4,6-Tribromophenol	A	100.0	102.9	0.113548	0.1167934		2.9	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV2.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/31/11
Lab Sample ID:	2A00403-ICV2	Injection Time:	00:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	54.75	1.038294	1.136978		9.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV5.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	01/03/12
Lab Sample ID:	2A00403-ICV3	Injection Time:	14:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	A	50.00	44.64	0.1634369	0.1459306		-10.7	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV6.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	01/03/12
Lab Sample ID:	2A00403-ICV4	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzidine	A	50.00	47.17	0.6667575	0.6290054		-5.7	20
3,3'-Dichlorobenzidine	A	50.00	41.10	0.38928	0.320016		-17.8	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV1	Injection Time:	09:30

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

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV1	Injection Time:	09:30

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

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV1	Injection Time:	09:30

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

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV3.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV2	Injection Time:	12:01

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

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV3	Injection Time:	12:32

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

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV4	Injection Time:	13:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	57.34	0.9209532	1.056099		14.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B03312	Injection Date:	01/31/12
Lab Sample ID:	2B03312-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	54.11	1.083205	1.172349		8.2	20
Acenaphthylene	A	50.00	52.82	1.629931	1.721768		5.6	20
Acetophenone	A	50.00	55.64	1.695509	1.886921		11.3	20
Anthracene	A	50.00	53.91	1.050691	1.132816		7.8	20
Atrazine	A	50.00	52.21	0.2160612	0.2256051		4.4	20
Benzaldehyde	A	50.00	36.62	0.9209532	0.6744317		-26.8	20 *
Benzidine	A	50.00	56.46	0.4956721	0.559755		12.9	20
Benzo(a)anthracene	A	50.00	56.25	1.095634	1.232582		12.5	20
Benzo(a)pyrene	A	50.00	58.27	1.009584	1.176527		16.5	20
Benzo(b)fluoranthene	A	50.00	63.88	1.098945	1.404033		27.8	20 *
Benzo(g,h,i)perylene	A	50.00	58.26	0.6624725	0.7719725		16.5	20
Benzoic acid	Q	50.00	57.35	0.1554595	0.2113218		14.7	20
Benzo(k)fluoranthene	A	50.00	54.72	1.196207	1.309096		9.4	20
1,1-Biphenyl	A	50.00	56.05	1.411627	1.5825		12.1	20
4-Bromophenyl-phenylether	A	50.00	55.32	0.2128959	0.2355692		10.6	20
Butylbenzylphthalate	A	50.00	58.48	0.5814234	0.680055		17.0	20
Caprolactam	A	50.00	57.76	0.1002373	0.1158002		15.5	20
Carbazole	A	50.00	47.20	0.8490283	0.8015325		-5.6	20
4-Chloro-3-methylphenol	A	50.00	58.44	0.2842247	0.3321967		16.9	20
4-Chloroaniline	A	50.00	52.64	0.397385	0.418342		5.3	20
Bis(2-chloroethoxy)methane	A	50.00	55.32	0.4109238	0.4546381		10.6	20
Bis(2-chloroethyl)ether	A	50.00	55.02	1.246774	1.372086		10.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	44.34	1.385811	1.228957		-11.3	20
2-Chloronaphthalene	A	50.00	55.93	1.067192	1.193833		11.9	20
2-Chlorophenol	A	50.00	56.14	1.213089	1.362015		12.3	20
4-Chlorophenyl phenyl ether	A	50.00	54.87	0.6276701	0.6887946		9.7	20
Chrysene	A	50.00	57.03	0.9871305	1.125923		14.1	20
Dibenz(a,h)anthracene	A	50.00	64.71	0.6567817	0.8500332		29.4	20 *
Dibenzofuran	A	50.00	53.94	1.458562	1.573498		7.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B03312	Injection Date:	01/31/12
Lab Sample ID:	2B03312-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	55.92	1.130804	1.264599		11.8	20
3,3'-Dichlorobenzidine	A	50.00	61.80	0.276533	0.3418213		23.6	20 *
2,4-Dichlorophenol	A	50.00	57.04	0.2811649	0.3207757		14.1	20
Diethylphthalate	A	50.00	54.14	1.22087	1.322015		8.3	20
2,4-Dimethylphenol	A	50.00	57.09	0.3452717	0.3942467		14.2	20
Dimethyl phthalate	A	50.00	54.03	1.221232	1.319746		8.1	20
4,6-Dinitro-2-methylphenol	L	50.00	53.94	0.1277417	0.1547459		7.9	20
2,4-Dinitrophenol	L	50.00	49.44	0.1429805	0.1722507	0.05	-1.1	20
2,4-Dinitrotoluene	A	50.00	55.59	0.3751877	0.4171644		11.2	20
2,6-Dinitrotoluene	A	50.00	54.82	0.2882009	0.3159655		9.6	20
Di-n-octylphthalate	A	50.00	65.85	1.334396	1.757477		31.7	20 *
1,2-Diphenylhydrazine	A	50.00	57.96	0.796287	0.9230741		15.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	62.90	0.7073331	0.8898438		25.8	20 *
Fluoranthene	A	50.00	55.40	1.108564	1.228321		10.8	20
Fluorene	A	50.00	54.80	1.266856	1.388377		9.6	20
Hexachlorobenzene	A	50.00	57.33	0.2189682	0.2510752		14.7	20
Hexachlorobutadiene	A	50.00	54.96	0.2016252	0.2216376		9.9	20
Hexachlorocyclopentadiene	A	50.00	66.14	0.2015279	0.2665789	0.05	32.3	20 *
Hexachloroethane	A	50.00	56.95	0.5506075	0.6271343		13.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	60.06	0.81915	0.9838832		20.1	20 *
Isophorone	A	50.00	54.07	0.6913313	0.7476034		8.1	20
1-Methylnaphthalene	A	50.00	53.12	0.5312415	0.5643691		6.2	20
2-Methylnaphthalene	A	50.00	53.14	0.5409797	0.5749273		6.3	20
2-Methylphenol	A	50.00	56.95	1.072064	1.221059		13.9	20
3-Methylphenol/4-Methylphenol	A	50.00	55.68	1.114689	1.241275		11.4	20
Naphthalene	A	50.00	54.54	0.9513071	1.037632		9.1	20
4-Nitroaniline	A	50.00	48.41	0.2383594	0.2307687		-3.2	20
3-Nitroaniline	A	50.00	51.44	0.2874555	0.2957348		2.9	20
2-Nitroaniline	A	50.00	57.63	0.3317505	0.3823647		15.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B03312	Injection Date:	01/31/12
Lab Sample ID:	2B03312-CCV1	Injection Time:	14:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	56.17	0.4029603	0.4527038		12.3	20
4-Nitrophenol	A	50.00	57.44	0.2166638	0.2489261	0.05	14.9	20
2-Nitrophenol	A	50.00	57.01	0.181443	0.2068717		14.0	20
N-Nitrosodiphenylamine	A	50.00	55.55	0.6164427	0.6848759		11.1	20
N-Nitroso-di-n-propylamine	A	50.00	53.70	0.9416943	1.011461	0.05	7.4	20
Pentachlorophenol	L	50.00	52.17	0.1292247	0.1519018		4.3	20
Phenanthrene	A	50.00	54.57	1.037726	1.132554		9.1	20
Phenol	A	50.00	56.68	1.644715	1.864599		13.4	20
Pyrene	A	50.00	52.52	1.428881	1.5009		5.0	20
2,4,6-Trichlorophenol	A	50.00	57.25	0.3533465	0.4046011		14.5	20
2,4,5-Trichlorophenol	A	50.00	61.19	0.3545972	0.4339636		22.4	20 *
2-Fluorobiphenyl	A	50.00	54.03	1.2833	1.386733		8.1	20
2-Fluorophenol	A	100.0	109.0	1.176842	1.282466		9.0	20
Nitrobenzene-d5	A	50.00	55.27	0.4045775	0.4472203		10.5	20
Phenol-d6	A	100.0	108.3	1.530246	1.657657		8.3	20
Terphenyl-d14	A	50.00	54.00	0.8755169	0.9456597		8.0	20
2,4,6-Tribromophenol	A	100.0	116.0	9.768516E-02	0.1132999		16.0	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B03501	Injection Date:	02/03/12
Lab Sample ID:	2B03501-CCV1	Injection Time:	15:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	54.23	1.083205	1.17484		8.5	20
Acenaphthylene	A	50.00	53.17	1.629931	1.733217		6.3	20
Acetophenone	A	50.00	54.98	1.695509	1.864446		10.0	20
Anthracene	A	50.00	54.43	1.050691	1.14384		8.9	20
Atrazine	A	50.00	48.25	0.2160612	0.2085159		-3.5	20
Benzaldehyde	A	50.00	37.80	0.9209532	0.6963393		-24.4	20 *
Benzidine	A	50.00	55.53	0.4956721	0.5505161		11.1	20
Benzo(a)anthracene	A	50.00	55.32	1.095634	1.212197		10.6	20
Benzo(a)pyrene	A	50.00	57.68	1.009584	1.164695		15.4	20
Benzo(b)fluoranthene	A	50.00	61.39	1.098945	1.349353		22.8	20 *
Benzo(g,h,i)perylene	A	50.00	58.93	0.6624725	0.7808263		17.9	20
Benzoic acid	Q	50.00	53.54	0.1554595	0.1932993		7.1	20
Benzo(k)fluoranthene	A	50.00	58.88	1.196207	1.408586		17.8	20
1,1-Biphenyl	A	50.00	56.70	1.411627	1.600758		13.4	20
4-Bromophenyl-phenylether	A	50.00	56.78	0.2128959	0.2417488		13.6	20
Butylbenzylphthalate	A	50.00	54.99	0.5814234	0.6394564		10.0	20
Caprolactam	A	50.00	56.65	0.1002373	0.113576		13.3	20
Carbazole	A	50.00	50.12	0.8490283	0.8511164		0.2	20
4-Chloro-3-methylphenol	A	50.00	56.73	0.2842247	0.322482		13.5	20
4-Chloroaniline	A	50.00	52.53	0.397385	0.4175089		5.1	20
Bis(2-chloroethoxy)methane	A	50.00	53.69	0.4109238	0.4412753		7.4	20
Bis(2-chloroethyl)ether	A	50.00	54.12	1.246774	1.34961		8.2	20
2,2'-Oxybis-1-chloropropane	A	50.00	43.40	1.385811	1.202991		-13.2	20
2-Chloronaphthalene	A	50.00	56.09	1.067192	1.197152		12.2	20
2-Chlorophenol	A	50.00	54.53	1.213089	1.322925		9.1	20
4-Chlorophenyl phenyl ether	A	50.00	56.43	0.6276701	0.7083526		12.9	20
Chrysene	A	50.00	56.05	0.9871305	1.106558		12.1	20
Dibenz(a,h)anthracene	A	50.00	64.54	0.6567817	0.847767		29.1	20 *
Dibenzofuran	A	50.00	55.00	1.458562	1.604536		10.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B03501	Injection Date:	02/03/12
Lab Sample ID:	2B03501-CCV1	Injection Time:	15:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	56.09	1.130804	1.268479		12.2	20	
3,3'-Dichlorobenzidine	A	50.00	67.86	0.276533	0.375286		35.7	20	*
2,4-Dichlorophenol	A	50.00	56.40	0.2811649	0.317128		12.8	20	
Diethylphthalate	A	50.00	54.88	1.22087	1.340162		9.8	20	
2,4-Dimethylphenol	A	50.00	56.67	0.3452717	0.3913623		13.3	20	
Dimethyl phthalate	A	50.00	54.54	1.221232	1.332153		9.1	20	
4,6-Dinitro-2-methylphenol	L	50.00	49.34	0.1277417	0.1405379		-1.3	20	
2,4-Dinitrophenol	L	50.00	45.05	0.1429805	0.1546058	0.05	-9.9	20	
2,4-Dinitrotoluene	A	50.00	55.54	0.3751877	0.4167785		11.1	20	
2,6-Dinitrotoluene	A	50.00	55.41	0.2882009	0.3193797		10.8	20	
Di-n-octylphthalate	A	50.00	66.41	1.334396	1.772369		32.8	20	*
1,2-Diphenylhydrazine	A	50.00	56.87	0.796287	0.9056849		13.7	20	
Bis(2-ethylhexyl)phthalate	A	50.00	58.17	0.7073331	0.8229257		16.3	20	
Fluoranthene	A	50.00	57.15	1.108564	1.267007		14.3	20	
Fluorene	A	50.00	56.12	1.266856	1.421924		12.2	20	
Hexachlorobenzene	A	50.00	61.16	0.2189682	0.267857		22.3	20	*
Hexachlorobutadiene	A	50.00	56.79	0.2016252	0.2289969		13.6	20	
Hexachlorocyclopentadiene	A	50.00	58.56	0.2015279	0.2360466	0.05	17.1	20	
Hexachloroethane	A	50.00	55.33	0.5506075	0.6093		10.7	20	
Indeno(1,2,3-cd)pyrene	A	50.00	62.16	0.81915	1.018297		24.3	20	*
Isophorone	A	50.00	53.74	0.6913313	0.7430964		7.5	20	
1-Methylnaphthalene	A	50.00	53.75	0.5312415	0.5711059		7.5	20	
2-Methylnaphthalene	A	50.00	53.82	0.5409797	0.5822932		7.6	20	
2-Methylphenol	A	50.00	54.33	1.072064	1.165011		8.7	20	
3-Methylphenol/4-Methylphenol	A	50.00	53.88	1.114689	1.201186		7.8	20	
Naphthalene	A	50.00	54.31	0.9513071	1.0333		8.6	20	
4-Nitroaniline	A	50.00	45.99	0.2383594	0.2192244		-8.0	20	
3-Nitroaniline	A	50.00	53.84	0.2874555	0.3095601		7.7	20	
2-Nitroaniline	A	50.00	55.88	0.3317505	0.3707575		11.8	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B03501	Injection Date:	02/03/12
Lab Sample ID:	2B03501-CCV1	Injection Time:	15:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	54.83	0.4029603	0.4419249		9.7	20
4-Nitrophenol	A	50.00	59.10	0.2166638	0.2561188	0.05	18.2	20
2-Nitrophenol	A	50.00	56.15	0.181443	0.2037481		12.3	20
N-Nitrosodiphenylamine	A	50.00	56.07	0.6164427	0.6912788		12.1	20
N-Nitroso-di-n-propylamine	A	50.00	52.80	0.9416943	0.9944026	0.05	5.6	20
Pentachlorophenol	L	50.00	51.10	0.1292247	0.1485376		2.2	20
Phenanthrene	A	50.00	54.51	1.037726	1.131383		9.0	20
Phenol	A	50.00	55.44	1.644715	1.823653		10.9	20
Pyrene	A	50.00	49.72	1.428881	1.420952		-0.6	20
2,4,6-Trichlorophenol	A	50.00	57.00	0.3533465	0.4028168		14.0	20
2,4,5-Trichlorophenol	A	50.00	60.12	0.3545972	0.4263885		20.2	20 *
2-Fluorobiphenyl	A	50.00	54.26	1.2833	1.392664		8.5	20
2-Fluorophenol	A	100.0	105.9	1.176842	1.246654		5.9	20
Nitrobenzene-d5	A	50.00	55.06	0.4045775	0.445528		10.1	20
Phenol-d6	A	100.0	106.7	1.530246	1.632368		6.7	20
Terphenyl-d14	A	50.00	51.37	0.8755169	0.8995173		2.7	20
2,4,6-Tribromophenol	A	100.0	123.7	9.768516E-02	0.1208193		23.7	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B03710	Injection Date:	02/04/12
Lab Sample ID:	2B03710-CCV1	Injection Time:	12:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	52.95	1.173936	1.243314		5.9	20
Acenaphthylene	A	50.00	53.19	1.979927	2.10629		6.4	20
Acetophenone	A	50.00	54.20	1.736397	1.882083		8.4	20
Anthracene	A	50.00	47.13	1.133848	1.068824		-5.7	20
Atrazine	A	50.00	42.13	0.1857409	0.1565162		-15.7	20
Benzaldehyde	A	50.00	27.05	1.038294	0.5617721		-45.9	20 *
Benzidine	A	50.00	48.15	0.6667575	0.6420942		-3.7	20
Benzo(a)anthracene	A	50.00	55.06	1.072944	1.181482		10.1	20
Benzo(a)pyrene	A	50.00	46.38	1.090257	1.01139		-7.2	20
Benzo(b)fluoranthene	A	50.00	46.53	1.298967	1.208839		-6.9	20
Benzo(g,h,i)perylene	A	50.00	53.78	0.7081349	0.7616104		7.6	20
Benzoic acid	A	50.00	51.19	0.2474039	0.2532765		2.4	20
Benzo(k)fluoranthene	A	50.00	52.14	1.275933	1.330689		4.3	20
1,1-Biphenyl	A	50.00	47.00	1.385782	1.302576		-6.0	20
4-Bromophenyl-phenylether	A	50.00	47.79	0.208175	0.1989784		-4.4	20
Butylbenzylphthalate	A	50.00	59.64	0.7382158	0.8806038		19.3	20
Caprolactam	A	50.00	51.31	9.442583E-02	9.689382E-02		2.6	20
Carbazole	A	50.00	52.81	1.006864	1.063462		5.6	20
4-Chloro-3-methylphenol	A	50.00	51.08	0.2679744	0.2737522		2.2	20
4-Chloroaniline	A	50.00	43.88	0.4077847	0.3578939		-12.2	20
Bis(2-chloroethoxy)methane	A	50.00	44.58	0.5179242	0.4617835		-10.8	20
Bis(2-chloroethyl)ether	A	50.00	44.78	1.758697	1.575096		-10.4	20
2,2'-Oxybis-1-chloropropane	A	50.00	45.24	2.25236	2.03778		-9.5	20
2-Chloronaphthalene	A	50.00	50.10	1.136526	1.138812		0.2	20
2-Chlorophenol	A	50.00	52.25	1.432591	1.497193		4.5	20
4-Chlorophenyl phenyl ether	A	50.00	56.89	0.5044183	0.5738896		13.8	20
Chrysene	A	50.00	53.89	0.9960148	1.073507		7.8	20
Dibenz(a,h)anthracene	A	50.00	52.47	0.7499236	0.787026		4.9	20
Dibenzofuran	A	50.00	55.58	1.585336	1.762193		11.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B03710	Injection Date:	02/04/12
Lab Sample ID:	2B03710-CCV1	Injection Time:	12:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	52.91	1.457854	1.5426		5.8	20	
3,3'-Dichlorobenzidine	A	50.00	52.80	0.38928	0.4111067		5.6	20	
2,4-Dichlorophenol	A	50.00	51.40	0.2563334	0.2635252		2.8	20	
Diethylphthalate	A	50.00	58.09	1.329046	1.54421		16.2	20	
2,4-Dimethylphenol	A	50.00	46.36	0.3391011	0.3144443		-7.3	20	
Dimethyl phthalate	A	50.00	56.59	1.281605	1.450545		13.2	20	
4,6-Dinitro-2-methylphenol	L	50.00	54.84	0.1308033	0.1681985		9.7	20	
2,4-Dinitrophenol	L	50.00	68.18	0.1342077	0.2417862	0.05	36.4	20	*
2,4-Dinitrotoluene	A	50.00	67.52	0.3991603	0.5390472		35.0	20	*
2,6-Dinitrotoluene	A	50.00	57.88	0.3432151	0.3973005		15.8	20	
Di-n-octylphthalate	A	50.00	58.74	2.199959	2.584608		17.5	20	
1,2-Diphenylhydrazine	A	50.00	44.05	1.250091	1.101327		-11.9	20	
Bis(2-ethylhexyl)phthalate	A	50.00	57.44	1.029412	1.182672		14.9	20	
Fluoranthene	A	50.00	50.43	0.9734703	0.9818466		0.9	20	
Fluorene	A	50.00	55.99	1.170904	1.311148		12.0	20	
Hexachlorobenzene	A	50.00	56.79	0.2272748	0.2581354		13.6	20	
Hexachlorobutadiene	A	50.00	58.74	0.135334	0.1589898		17.5	20	
Hexachlorocyclopentadiene	A	50.00	59.97	0.3297929	0.3955398	0.05	19.9	20	
Hexachloroethane	A	50.00	51.47	0.6102199	0.6282164		2.9	20	
Indeno(1,2,3-cd)pyrene	L	50.00	48.61	0.7734396	0.833652		-2.8	20	
Isophorone	A	50.00	45.51	0.7695091	0.7004443		-9.0	20	
1-Methylnaphthalene	A	50.00	51.27	0.4507234	0.4621866		2.5	20	
2-Methylnaphthalene	A	50.00	51.57	0.4613311	0.4758439		3.1	20	
2-Methylphenol	A	50.00	45.89	1.398422	1.283583		-8.2	20	
3-Methylphenol/4-Methylphenol	A	50.00	44.46	1.45699	1.295448		-11.1	20	
Naphthalene	A	50.00	49.40	0.9800656	0.968211		-1.2	20	
4-Nitroaniline	A	50.00	57.20	0.3182299	0.364079		14.4	20	
3-Nitroaniline	A	50.00	53.01	0.404249	0.4286083		6.0	20	
2-Nitroaniline	A	50.00	50.13	0.3824914	0.3834633		0.3	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B03710	Injection Date:	02/04/12
Lab Sample ID:	2B03710-CCV1	Injection Time:	12:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	43.47	0.4063072	0.3532508		-13.1	20
4-Nitrophenol	A	50.00	57.27	0.2351108	0.2692881	0.05	14.5	20
2-Nitrophenol	A	50.00	51.98	0.1977099	0.2055366		4.0	20
N-Nitrosodiphenylamine	A	50.00	46.38	0.69643	0.6460131		-7.2	20
N-Nitroso-di-n-propylamine	A	50.00	46.32	1.045797	0.9687801	0.05	-7.4	20
Pentachlorophenol	A	50.00	53.69	0.1634369	0.1754937		7.4	20
Phenanthrene	A	50.00	48.74	1.107039	1.079155		-2.5	20
Phenol	A	50.00	46.95	2.261301	2.123184		-6.1	20
Pyrene	A	50.00	60.29	1.342739	1.619114		20.6	20 *
2,4,6-Trichlorophenol	A	50.00	59.15	0.3831938	0.4533033		18.3	20
2,4,5-Trichlorophenol	A	50.00	58.53	0.3982144	0.4661526		17.1	20
2-Fluorobiphenyl	A	50.00	52.94	1.404181	1.486838		5.9	20
2-Fluorophenol	A	100.0	91.81	1.444881	1.326582		-8.2	20
Nitrobenzene-d5	A	50.00	44.95	0.4181133	0.3758913		-10.1	20
Phenol-d6	A	100.0	89.69	1.927991	1.729201		-10.3	20
Terphenyl-d14	A	50.00	58.73	0.8224102	0.9660734		17.5	20
2,4,6-Tribromophenol	A	100.0	119.5	0.113548	0.1356525		19.5	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_042

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

Matrix: Laboratory ID: 2A30004-BLK1 File ID: A30004B1.D

Sampled: Prepared: Analyzed: 01/31/12 15:12

Solids: Preparation: EXT_3510 Dilution:

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, 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	X, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	Q, X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	Q, 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	X, U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2A30004-BLK1 File ID: A30004B1.D

Sampled: Prepared: Analyzed: 01/31/12 15:12

Solids: Preparation: EXT_3510 Dilution:

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	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	X, U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.24	82.5	50 - 110	
2-Fluorophenol	100.0	36.58	36.6	20 - 110	
Nitrobenzene-d5	50.00	40.93	81.9	40 - 110	
Phenol-d6	100.0	19.92	19.9	0 - 110	
Terphenyl-d14	50.00	44.54	89.1	50 - 135	
2,4,6-Tribromophenol	100.0	87.45	87.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_042

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

Matrix: | Laboratory ID: 2A30004-BS1 | File ID: A30004L1.D

Sampled: | Prepared: | Analyzed: 01/31/12 15:42

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2A30004 | Sequence: 2B03312 | Calibration: 2018001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.85	1.25	2.50	5.00	
208-96-8	Acenaphthylene	46.04	1.25	2.50	5.00	
98-86-2	Acetophenone	48.55	1.25	2.50	5.00	
120-12-7	Anthracene	47.39	1.25	2.50	5.00	
1912-24-9	Atrazine	54.40	1.25	2.50	5.00	
100-52-7	Benzaldehyde	52.12	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	48.91	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	49.01	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	49.56	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	52.54	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	49.31	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.78	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	51.80	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	55.09	1.25	2.50	5.00	
105-60-2	Caprolactam	9.568	1.25	2.50	5.00	
86-74-8	Carbazole	44.19	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	76.35	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.44	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.19	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	45.57	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	44.99	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	46.29	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	57.12	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.02	1.25	2.50	5.00	
218-01-9	Chrysene	50.96	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	53.92	1.25	2.50	5.00	X
132-64-9	Dibenzofuran	46.94	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.34	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	60.57	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	65.02	1.25	2.50	5.00	
84-66-2	Diethylphthalate	50.16	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	81.71	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.48	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	43.77	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	29.67	1.00	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	49.63	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.44	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	62.32	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_042

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

Matrix: | Laboratory ID: 2A30004-BS1 | File ID: A30004L1.D

Sampled: | Prepared: | Analyzed: 01/31/12 15:42

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2A30004 | Sequence: 2B03312 | Calibration: 2018001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	48.12	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	56.62	1.25	2.50	5.00	X
206-44-0	Fluoranthene	49.22	1.25	2.50	5.00	
86-73-7	Fluorene	47.60	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	49.73	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	38.24	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	43.71	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	33.90	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	53.42	1.25	2.50	5.00	X
78-59-1	Isophorone	44.58	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.49	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	42.58	1.25	2.50	5.00	
95-48-7	2-Methylphenol	59.78	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	54.30	1.25	2.50	5.00	
91-20-3	Naphthalene	40.76	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	39.46	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.58	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.68	5.00	10.0	20.0	
98-95-3	Nitrobenzene	44.03	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	16.08	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	63.07	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.90	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	48.59	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	42.39	5.00	10.0	20.0	
85-01-8	Phenanthrene	48.38	1.25	2.50	5.00	
108-95-2	Phenol	22.79	1.25	2.50	5.00	
129-00-0	Pyrene	45.25	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	55.57	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	67.84	1.25	2.50	5.00	X

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.33	84.7	50 - 110	
2-Fluorophenol	100.0	27.77	27.8	20 - 110	
Nitrobenzene-d5	50.00	41.82	83.6	40 - 110	
Phenol-d6	100.0	20.25	20.2	0 - 110	
Terphenyl-d14	50.00	42.34	84.7	50 - 135	
2,4,6-Tribromophenol	100.0	62.15	62.2	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2A30004-BSD1 File ID: A30004L2.D

Sampled: Prepared: Analyzed: 01/31/12 16:13

Solids: Preparation: EXT_3510 Dilution:

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.18	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.84	1.25	2.50	5.00	
98-86-2	Acetophenone	47.28	1.25	2.50	5.00	
120-12-7	Anthracene	46.67	1.25	2.50	5.00	
1912-24-9	Atrazine	53.25	1.25	2.50	5.00	
100-52-7	Benzaldehyde	49.68	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	48.04	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.25	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	48.86	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	52.38	1.25	2.50	5.00	
65-85-0	Benzoic acid	22.38	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	48.35	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.02	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	50.64	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	53.16	1.25	2.50	5.00	
105-60-2	Caprolactam	9.331	1.25	2.50	5.00	
86-74-8	Carbazole	43.71	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	79.81	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	33.72	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.93	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.89	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	42.82	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	44.83	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	69.05	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.14	1.25	2.50	5.00	
218-01-9	Chrysene	50.76	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	53.84	1.25	2.50	5.00	X
132-64-9	Dibenzofuran	45.95	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.00	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	60.22	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	82.40	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.22	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	81.10	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	48.34	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	95.40	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	83.38	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	48.20	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	46.56	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	58.65	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2A30004-BSD1 File ID: A30004L2.D

Sampled: Prepared: Analyzed: 01/31/12 16:13

Solids: Preparation: EXT_3510 Dilution:

Batch: 2A30004 Sequence: 2B03312 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	48.19	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	54.31	1.25	2.50	5.00	X
206-44-0	Fluoranthene	48.41	1.25	2.50	5.00	
86-73-7	Fluorene	46.38	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	48.90	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.57	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	45.55	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	32.58	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	52.98	1.25	2.50	5.00	X
78-59-1	Isophorone	44.00	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.33	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	41.61	1.25	2.50	5.00	
95-48-7	2-Methylphenol	59.66	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	53.73	1.25	2.50	5.00	
91-20-3	Naphthalene	40.12	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	38.32	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	33.81	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.83	5.00	10.0	20.0	
98-95-3	Nitrobenzene	43.54	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	31.17	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	84.76	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.54	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.51	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	92.18	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.98	1.25	2.50	5.00	
108-95-2	Phenol	24.70	1.25	2.50	5.00	
129-00-0	Pyrene	45.43	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	92.55	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	95.92	1.25	2.50	5.00	X

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.37	82.7	50 - 110	
2-Fluorophenol	100.0	38.21	38.2	20 - 110	
Nitrobenzene-d5	50.00	41.34	82.7	40 - 110	
Phenol-d6	100.0	21.89	21.9	0 - 110	
Terphenyl-d14	50.00	43.78	87.6	50 - 135	
2,4,6-Tribromophenol	100.0	92.70	92.7	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-BLK1 File ID: B02003B1.D

Sampled: Prepared: Analyzed: 02/03/12 20:38

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	Q, U
98-86-2	Acetophenone		1.25	2.50	5.00	Q, U
120-12-7	Anthracene		1.25	2.50	5.00	Q, U
1912-24-9	Atrazine		1.25	2.50	5.00	Q, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	Q, U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	Q, X, 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	Q, U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	Q, U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	Q, U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	Q, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	Q, U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	X, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	Q, U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	Q, U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	Q, X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	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	X, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-BLK1 File ID: B02003B1.D

Sampled: Prepared: Analyzed: 02/03/12 20:38

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	Q, U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	Q, X, U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	X, 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.44	70.9	50 - 110	
2-Fluorophenol	100.0	26.53	26.5	20 - 110	
Nitrobenzene-d5	50.00	34.24	68.5	40 - 110	
Phenol-d6	100.0	15.16	15.2	0 - 110	
Terphenyl-d14	50.00	50.38	101	50 - 135	
2,4,6-Tribromophenol	100.0	73.17	73.2	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_042

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

Matrix: | Laboratory ID: 2B02003-BS1 | File ID: B02003L1.D

Sampled: | Prepared: | Analyzed: 02/03/12 21:09

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B02003 | Sequence: 2B03501 | Calibration: 2018001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	52.19	1.25	2.50	5.00	
208-96-8	Acenaphthylene	53.66	1.25	2.50	5.00	
98-86-2	Acetophenone	55.54	1.25	2.50	5.00	
120-12-7	Anthracene	55.41	1.25	2.50	5.00	
1912-24-9	Atrazine	64.62	1.25	2.50	5.00	
100-52-7	Benzaldehyde	59.07	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	56.74	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	57.72	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	60.89	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	57.16	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	56.43	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	60.73	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	60.85	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	60.21	1.25	2.50	5.00	
105-60-2	Caprolactam	9.476	1.25	2.50	5.00	
86-74-8	Carbazole	53.48	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	82.08	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.88	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	55.58	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	50.04	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	50.10	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	53.61	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	71.16	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	57.01	1.25	2.50	5.00	
218-01-9	Chrysene	59.21	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	61.04	1.25	2.50	5.00	X
132-64-9	Dibenzofuran	55.23	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	59.88	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	72.71	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	87.69	1.25	2.50	5.00	
84-66-2	Diethylphthalate	57.67	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	87.04	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	53.93	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	90.90	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	69.00	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	56.56	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	54.00	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	67.66	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-BS1 File ID: B02003L1.D

Sampled: Prepared: Analyzed: 02/03/12 21:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	55.86	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	60.73	1.25	2.50	5.00	
206-44-0	Fluoranthene	57.23	1.25	2.50	5.00	
86-73-7	Fluorene	55.47	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	61.57	1.25	2.50	5.00	X
87-68-3	Hexachlorobutadiene	46.14	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	40.79	1.25	2.50	5.00	
67-72-1	Hexachloroethane	37.78	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	60.55	1.25	2.50	5.00	X
78-59-1	Isophorone	51.96	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	48.81	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	50.58	1.25	2.50	5.00	
95-48-7	2-Methylphenol	60.20	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	54.37	1.25	2.50	5.00	
91-20-3	Naphthalene	46.97	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	44.43	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.91	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	53.39	5.00	10.0	20.0	
98-95-3	Nitrobenzene	50.53	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.09	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	92.40	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	48.69	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	54.28	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	98.60	5.00	10.0	20.0	
85-01-8	Phenanthrene	56.40	1.25	2.50	5.00	
108-95-2	Phenol	23.50	1.25	2.50	5.00	
129-00-0	Pyrene	50.17	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	100.4	1.25	2.50	5.00	E
95-95-4	2,4,5-Trichlorophenol	103.6	1.25	2.50	5.00	X, E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.15	96.3	50 - 110	
2-Fluorophenol	100.0	37.34	37.3	20 - 110	
Nitrobenzene-d5	50.00	47.14	94.3	40 - 110	
Phenol-d6	100.0	20.63	20.6	0 - 110	
Terphenyl-d14	50.00	48.86	97.7	50 - 135	
2,4,6-Tribromophenol	100.0	102.4	102	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-MS1 File ID: 0200601M.D

Sampled: Prepared: Analyzed: 02/03/12 22:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	46.85	1.20	2.40	4.81	
208-96-8	Acenaphthylene	47.69	1.20	2.40	4.81	Q
98-86-2	Acetophenone	44.94	1.20	2.40	4.81	Q
120-12-7	Anthracene	52.50	1.20	2.40	4.81	Q
1912-24-9	Atrazine	60.01	1.20	2.40	4.81	Q
100-52-7	Benzaldehyde	46.04	1.20	2.40	4.81	Y
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene	53.29	1.20	2.40	4.81	Q
50-32-8	Benzo(a)pyrene	53.99	1.20	2.40	4.81	Q
205-99-2	Benzo(b)fluoranthene	57.26	1.20	2.40	4.81	Q, X
191-24-2	Benzo(g,h,i)perylene	56.65	1.20	2.40	4.81	
65-85-0	Benzoic acid	14.88	12.0	24.0	48.1	J
207-08-9	Benzo(k)fluoranthene	50.55	1.20	2.40	4.81	
92-52-4	1,1-Biphenyl	51.72	1.20	2.40	4.81	Q
101-55-3	4-Bromophenyl-phenylether	55.46	1.20	2.40	4.81	Q
85-68-7	Butylbenzylphthalate	56.12	1.20	2.40	4.81	Q
105-60-2	Caprolactam	8.383	1.20	2.40	4.81	Q
86-74-8	Carbazole	51.43	1.20	2.40	4.81	
59-50-7	4-Chloro-3-methylphenol	74.58	1.20	2.40	4.81	
106-47-8	4-Chloroaniline	31.33	1.20	2.40	4.81	
111-91-1	Bis(2-chloroethoxy)methane	45.19	1.20	2.40	4.81	Q
111-44-4	Bis(2-chloroethyl)ether	39.71	1.20	2.40	4.81	
108-60-1	2,2'-Oxybis-1-chloropropane	39.99	1.20	2.40	4.81	
91-58-7	2-Chloronaphthalene	46.55	1.20	2.40	4.81	Q
95-57-8	2-Chlorophenol	56.87	1.20	2.40	4.81	
7005-72-3	4-Chlorophenyl phenyl ether	51.56	1.20	2.40	4.81	Q
218-01-9	Chrysene	54.84	1.20	2.40	4.81	Q
53-70-3	Dibenz(a,h)anthracene	60.63	1.20	2.40	4.81	X
132-64-9	Dibenzofuran	49.27	1.20	2.40	4.81	Q
84-74-2	Di-n-butylphthalate	57.13	1.20	2.40	4.81	Q
91-94-1	3,3'-Dichlorobenzidine	64.06	1.20	2.40	4.81	Q, X
120-83-2	2,4-Dichlorophenol	73.68	1.20	2.40	4.81	
84-66-2	Diethylphthalate	54.09	1.20	2.40	4.81	
105-67-9	2,4-Dimethylphenol	72.41	4.81	9.62	19.2	
131-11-3	Dimethyl phthalate	52.15	1.20	2.40	4.81	
534-52-1	4,6-Dinitro-2-methylphenol	88.80	4.81	9.62	19.2	
51-28-5	2,4-Dinitrophenol	65.27	0.962	24.0	48.1	
121-14-2	2,4-Dinitrotoluene	53.55	1.20	2.40	4.81	
606-20-2	2,6-Dinitrotoluene	49.88	1.20	2.40	4.81	
117-84-0	Di-n-octylphthalate	62.57	1.20	2.40	4.81	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-MS1 File ID: 0200601M.D

Sampled: Prepared: Analyzed: 02/03/12 22:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	52.20	1.20	2.40	4.81	
117-81-7	Bis(2-ethylhexyl)phthalate	57.52	1.20	2.40	4.81	
206-44-0	Fluoranthene	55.50	1.20	2.40	4.81	
86-73-7	Fluorene	50.47	1.20	2.40	4.81	Q
118-74-1	Hexachlorobenzene	56.86	1.20	2.40	4.81	Q, X
87-68-3	Hexachlorobutadiene	40.93	1.20	2.40	4.81	
77-47-4	Hexachlorocyclopentadiene	33.83	1.20	2.40	4.81	
67-72-1	Hexachloroethane	32.68	1.20	2.40	4.81	
193-39-5	Indeno(1,2,3-cd)pyrene	60.47	1.20	2.40	4.81	X
78-59-1	Isophorone	43.76	1.20	2.40	4.81	
90-12-0	1-Methylnaphthalene	42.27	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	43.36	1.20	2.40	4.81	
95-48-7	2-Methylphenol	49.08	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol	44.60	1.20	2.40	4.81	
91-20-3	Naphthalene	40.87	1.20	2.40	4.81	
100-01-6	4-Nitroaniline	43.78	4.81	9.62	19.2	
99-09-2	3-Nitroaniline	37.92	4.81	9.62	19.2	
88-74-4	2-Nitroaniline	50.46	4.81	9.62	19.2	
98-95-3	Nitrobenzene	41.46	1.20	2.40	4.81	
100-02-7	4-Nitrophenol	31.19	4.81	9.62	19.2	
88-75-5	2-Nitrophenol	78.04	1.20	2.40	4.81	
86-30-6	N-Nitrosodiphenylamine	45.02	1.20	2.40	4.81	
621-64-7	N-Nitroso-di-n-propylamine	44.11	1.20	2.40	4.81	
87-86-5	Pentachlorophenol	93.86	4.81	9.62	19.2	
85-01-8	Phenanthrene	53.24	1.20	2.40	4.81	
108-95-2	Phenol	19.97	1.20	2.40	4.81	
129-00-0	Pyrene	45.87	1.20	2.40	4.81	
88-06-2	2,4,6-Trichlorophenol	90.56	1.20	2.40	4.81	
95-95-4	2,4,5-Trichlorophenol	95.69	1.20	2.40	4.81	X

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	41.88	87.1	50 - 110	
2-Fluorophenol	96.15	30.04	31.2	20 - 110	
Nitrobenzene-d5	48.08	38.59	80.3	40 - 110	
Phenol-d6	96.15	17.73	18.4	0 - 110	
Terphenyl-d14	48.08	36.01	74.9	50 - 135	
2,4,6-Tribromophenol	96.15	96.52	100	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-MSD1 File ID: 0200601S.D

Sampled: Prepared: Analyzed: 02/03/12 22:40

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	42.62	1.23	2.45	4.90	
208-96-8	Acenaphthylene	44.09	1.23	2.45	4.90	Q
98-86-2	Acetophenone	42.18	1.23	2.45	4.90	Q
120-12-7	Anthracene	51.09	1.23	2.45	4.90	Q
1912-24-9	Atrazine	59.78	1.23	2.45	4.90	Q
100-52-7	Benzaldehyde	43.79	1.23	2.45	4.90	Y
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene	53.08	1.23	2.45	4.90	Q
50-32-8	Benzo(a)pyrene	53.71	1.23	2.45	4.90	Q
205-99-2	Benzo(b)fluoranthene	56.85	1.23	2.45	4.90	Q, X
191-24-2	Benzo(g,h,i)perylene	57.34	1.23	2.45	4.90	
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene	51.24	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	47.24	1.23	2.45	4.90	Q
101-55-3	4-Bromophenyl-phenylether	54.35	1.23	2.45	4.90	Q
85-68-7	Butylbenzylphthalate	56.19	1.23	2.45	4.90	Q
105-60-2	Caprolactam	8.695	1.23	2.45	4.90	Q
86-74-8	Carbazole	50.13	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	67.34	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	31.62	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	41.59	1.23	2.45	4.90	Q
111-44-4	Bis(2-chloroethyl)ether	37.89	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	37.18	1.23	2.45	4.90	
91-58-7	2-Chloronaphthalene	42.52	1.23	2.45	4.90	Q
95-57-8	2-Chlorophenol	52.46	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	49.10	1.23	2.45	4.90	Q
218-01-9	Chrysene	55.23	1.23	2.45	4.90	Q
53-70-3	Dibenz(a,h)anthracene	59.17	1.23	2.45	4.90	X
132-64-9	Dibenzofuran	46.02	1.23	2.45	4.90	Q
84-74-2	Di-n-butylphthalate	55.87	1.23	2.45	4.90	Q
91-94-1	3,3'-Dichlorobenzidine	64.48	1.23	2.45	4.90	Q, X
120-83-2	2,4-Dichlorophenol	67.48	1.23	2.45	4.90	
84-66-2	Diethylphthalate	52.24	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	66.32	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	50.62	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	82.73	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	56.04	0.980	24.5	49.0	
121-14-2	2,4-Dinitrotoluene	50.98	1.23	2.45	4.90	
606-20-2	2,6-Dinitrotoluene	47.20	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	63.44	1.23	2.45	4.90	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B02003-MSD1 File ID: 0200601S.D

Sampled: Prepared: Analyzed: 02/03/12 22:40

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B02003 Sequence: 2B03501 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.11	1.23	2.45	4.90	
117-81-7	Bis(2-ethylhexyl)phthalate	58.98	1.23	2.45	4.90	
206-44-0	Fluoranthene	53.76	1.23	2.45	4.90	
86-73-7	Fluorene	47.46	1.23	2.45	4.90	Q
118-74-1	Hexachlorobenzene	55.72	1.23	2.45	4.90	Q, X
87-68-3	Hexachlorobutadiene	37.47	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	30.58	1.23	2.45	4.90	
67-72-1	Hexachloroethane	29.99	1.23	2.45	4.90	
193-39-5	Indeno(1,2,3-cd)pyrene	59.13	1.23	2.45	4.90	X
78-59-1	Isophorone	40.37	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	38.35	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	39.10	1.23	2.45	4.90	
95-48-7	2-Methylphenol	45.01	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	41.16	1.23	2.45	4.90	
91-20-3	Naphthalene	37.65	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	43.17	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	38.48	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	47.28	4.90	9.80	19.6	
98-95-3	Nitrobenzene	38.08	1.23	2.45	4.90	
100-02-7	4-Nitrophenol	26.86	4.90	9.80	19.6	
88-75-5	2-Nitrophenol	72.43	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	44.39	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	41.53	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	86.88	4.90	9.80	19.6	
85-01-8	Phenanthrene	52.07	1.23	2.45	4.90	
108-95-2	Phenol	18.90	1.23	2.45	4.90	
129-00-0	Pyrene	46.80	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	84.35	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	90.57	1.23	2.45	4.90	X

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	38.10	77.7	50 - 110	
2-Fluorophenol	98.04	27.61	28.2	20 - 110	
Nitrobenzene-d5	49.02	35.60	72.6	40 - 110	
Phenol-d6	98.04	16.65	17.0	0 - 110	
Terphenyl-d14	49.02	37.69	76.9	50 - 135	
2,4,6-Tribromophenol	98.04	96.36	98.3	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03405-BLK1 File ID: B03045B1.D

Sampled: Prepared: Analyzed: 02/04/12 12:44

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	Q, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	Q, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03405-BLK1 File ID: B03045B1.D

Sampled: Prepared: Analyzed: 02/04/12 12:44

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	31.09	62.2	50 - 110	
2-Fluorophenol	100.0	23.96	24.0	20 - 110	
Nitrobenzene-d5	50.00	29.21	58.4	40 - 110	
Phenol-d6	100.0	13.27	13.3	0 - 110	
Terphenyl-d14	50.00	43.79	87.6	50 - 135	
2,4,6-Tribromophenol	100.0	81.96	82.0	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03405-BS1 File ID: B03045L1.D

Sampled: Prepared: Analyzed: 02/04/12 13:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.34	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.17	1.25	2.50	5.00	
98-86-2	Acetophenone	44.48	1.25	2.50	5.00	
120-12-7	Anthracene	45.56	1.25	2.50	5.00	
1912-24-9	Atrazine	55.53	1.25	2.50	5.00	
100-52-7	Benzaldehyde	39.08	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	56.39	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	46.43	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	52.87	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	49.58	1.25	2.50	5.00	
65-85-0	Benzoic acid	16.26	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	46.78	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.34	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.41	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	65.70	1.25	2.50	5.00	
105-60-2	Caprolactam	8.624	1.25	2.50	5.00	
86-74-8	Carbazole	49.60	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	61.48	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	27.21	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.82	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	32.09	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	39.15	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	33.72	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	49.05	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	51.25	1.25	2.50	5.00	
218-01-9	Chrysene	58.68	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.88	1.25	2.50	5.00	
132-64-9	Dibenzofuran	47.37	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	54.99	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	47.85	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	61.50	1.25	2.50	5.00	
84-66-2	Diethylphthalate	58.51	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	55.64	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.58	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	92.94	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	99.03	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	62.70	1.25	2.50	5.00	X
606-20-2	2,6-Dinitrotoluene	54.44	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	62.37	1.25	2.50	5.00	E

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Matrix: Laboratory ID: 2B03405-BS1 File ID: B03045L1.D

Sampled: Prepared: Analyzed: 02/04/12 13:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B03405 Sequence: 2B03710 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	41.57	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	61.09	1.25	2.50	5.00	
206-44-0	Fluoranthene	51.18	1.25	2.50	5.00	
86-73-7	Fluorene	50.13	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	55.43	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	19.48	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	19.91	1.25	2.50	5.00	
67-72-1	Hexachloroethane	14.86	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	45.26	1.25	2.50	5.00	
78-59-1	Isophorone	34.60	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	30.20	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	29.89	1.25	2.50	5.00	
95-48-7	2-Methylphenol	37.84	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	33.75	1.25	2.50	5.00	
91-20-3	Naphthalene	27.32	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	49.76	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	32.69	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	44.25	5.00	10.0	20.0	
98-95-3	Nitrobenzene	34.13	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.12	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	65.02	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.99	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	38.57	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	99.29	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.87	1.25	2.50	5.00	
108-95-2	Phenol	16.65	1.25	2.50	5.00	
129-00-0	Pyrene	59.56	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	75.82	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	79.32	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.97	79.9	50 - 110	
2-Fluorophenol	100.0	24.10	24.1	20 - 110	
Nitrobenzene-d5	50.00	31.02	62.0	40 - 110	
Phenol-d6	100.0	14.92	14.9	0 - 110	
Terphenyl-d14	50.00	52.06	104	50 - 135	
2,4,6-Tribromophenol	100.0	87.22	87.2	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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
GW0411	01/27/12 13:01	01/28/12 08:25	01/30/12 12:15	2.93	7.00	01/31/12 21:47	1.40	40.00	
GW0465	01/26/12 15:59	01/28/12 08:25	01/30/12 12:15	3.80	7.00	02/01/12 01:49	1.57	40.00	
GW0473	01/26/12 16:25	01/28/12 08:25	01/30/12 12:15	3.78	7.00	01/31/12 22:47	1.44	40.00	
GW0474	01/26/12 16:25	01/28/12 08:25	01/30/12 12:15	3.78	7.00	01/31/12 23:18	1.46	40.00	
GW0494	01/27/12 13:31	01/28/12 08:25	01/30/12 12:15	2.91	7.00	01/31/12 23:48	1.48	40.00	
GW0495	01/27/12 10:56	01/28/12 08:25	01/30/12 12:15	3.01	7.00	02/01/12 00:19	1.50	40.00	
GW0409	01/30/12 16:36	02/01/12 08:20	02/02/12 10:30	2.75	7.00	02/03/12 21:39	1.46	40.00	
GW0422	01/31/12 12:25	02/01/12 08:20	02/02/12 10:30	1.92	7.00	02/03/12 23:10	1.53	40.00	
GW0423	01/31/12 10:25	02/01/12 08:20	02/02/12 10:30	2.00	7.00	02/03/12 23:41	1.55	40.00	
GW0424	01/30/12 11:22	02/01/12 08:20	02/02/12 10:30	2.96	7.00	02/04/12 00:11	1.57	40.00	
GW0436	01/31/12 11:56	02/01/12 08:20	02/02/12 10:30	1.94	7.00	02/04/12 00:41	1.59	40.00	
GW0437	01/30/12 12:51	02/01/12 08:20	02/02/12 10:30	2.90	7.00	02/04/12 01:11	1.61	40.00	
GW0382	02/01/12 13:47	02/02/12 08:30	02/03/12 11:25	1.86	7.00	02/04/12 16:17	1.20	40.00	
GW0395	01/31/12 15:15	02/02/12 08:30	02/03/12 11:25	2.80	7.00	02/04/12 16:47	1.22	40.00	
GW0435	01/31/12 15:13	02/02/12 08:30	02/03/12 11:25	2.80	7.00	02/04/12 17:18	1.25	40.00	
GW0497	02/01/12 11:05	02/02/12 08:30	02/03/12 11:25	1.97	7.00	02/04/12 17:48	1.27	40.00	
GW0400	02/02/12 12:27	02/03/12 08:30	02/03/12 13:57	1.02	7.00	02/04/12 18:18	1.18	40.00	
GW0401	02/02/12 12:27	02/03/12 08:30	02/03/12 13:57	1.02	7.00	02/04/12 18:48	1.20	40.00	
GW0420	02/02/12 11:55	02/03/12 08:30	02/03/12 13:57	1.04	7.00	02/04/12 19:19	1.22	40.00	
GW0421	02/02/12 11:55	02/03/12 08:30	02/03/12 13:57	1.04	7.00	02/04/12 19:50	1.25	40.00	
GW0496	02/01/12 15:25	02/03/12 08:30	02/03/12 13:57	1.90	7.00	02/04/12 20:20	1.27	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00203	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2A00203-CAL1	019F1901.D	12/29/11 01:48
Cal Standard	2A00203-CAL2	020F2001.D	12/29/11 02:21
Cal Standard	2A00203-CAL3	021F2101.D	12/29/11 02:55
Cal Standard	2A00203-CAL4	022F2201.D	12/29/11 03:28
Cal Standard	2A00203-CAL5	023F2301.D	12/29/11 04:01
Cal Standard	2A00203-CAL6	024F2401.D	12/29/11 04:34
Initial Cal Check	2A00203-ICV1	025F2501.D	12/29/11 05:07

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03311	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03311-CCV1	007F0701.D	01/31/12 16:04
Blank	2A30023-BLK1	008F0801.D	01/31/12 16:37
LCS	2A30023-BS1	009F0901.D	01/31/12 17:11
LCS Dup	2A30023-BSD1	010F1001.D	01/31/12 17:44
GW0411	1201196-01	017F1701.D	01/31/12 21:35
GW0473	1201196-05	019F1901.D	01/31/12 22:41
GW0474	1201196-07	020F2001.D	01/31/12 23:14
Calibration Check	2B03311-CCV2	021F2101.D	01/31/12 23:47
GW0494	1201196-09	022F2201.D	02/01/12 00:21
GW0495	1201196-11	023F2301.D	02/01/12 00:54
Calibration Check	2B03311-CCV3	024F2401.D	02/01/12 01:27

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03709	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03709-CCV1	005F0501.D	02/03/12 11:32
Blank	2B02002-BLK1	007F0701.D	02/03/12 12:39
LCS	2B02002-BS1	008F0801.D	02/03/12 13:21
GW0409	1202006-01	009F0901.D	02/03/12 13:54
GW0409	2B02002-MS1	010F1001.D	02/03/12 14:28
GW0409	2B02002-MSD1	011F1101.D	02/03/12 15:01
GW0422	1202006-03	012F1201.D	02/03/12 15:34
GW0423	1202006-05	013F1301.D	02/03/12 16:07
GW0424	1202006-07	014F1401.D	02/03/12 16:40
GW0436	1202006-09	015F1501.D	02/03/12 17:13
GW0437	1202006-11	016F1601.D	02/03/12 17:46
Calibration Check	2B03709-CCV2	017F1701.D	02/03/12 18:19

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03709	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03709-CCV1	005F0501.D	02/03/12 11:32
GW0465	1201196-03	006F0601.D	02/03/12 12:05
Calibration Check	2B03709-CCV2	017F1701.D	02/03/12 18:19

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03806	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03806-CCV1	003F0301.D	02/06/12 17:34
Blank	2B06019-BLK1	004F0401.D	02/06/12 18:07
LCS	2B06019-BS1	005F0501.D	02/06/12 18:40
GW0409	1202006-01RE1	006F0601.D	02/06/12 19:13
GW0409	2B06019-MS1	007F0701.D	02/06/12 19:45
GW0409	2B06019-MSD1	008F0801.D	02/06/12 20:18
GW0422	1202006-03RE1	009F0901.D	02/06/12 20:51
GW0423	1202006-05RE1	010F1001.D	02/06/12 21:23
GW0424	1202006-07RE1	011F1101.D	02/06/12 21:56
GW0436	1202006-09RE1	012F1201.D	02/06/12 22:29
GW0437	1202006-11RE1	013F1301.D	02/06/12 23:02
GW0382	1202022-01	014F1401.D	02/06/12 23:35
GW0395	1202022-03	015F1501.D	02/07/12 00:08
GW0435	1202022-05	016F1601.D	02/07/12 00:41
GW0497	1202022-07	017F1701.D	02/07/12 01:14
Calibration Check	2B03806-CCV2	018F1801.D	02/07/12 01:47
GW0400	1202028-01	019F1901.D	02/07/12 02:21
GW0401	1202028-03	020F2001.D	02/07/12 02:54
GW0420	1202028-05	021F2101.D	02/07/12 03:27
GW0421	1202028-07	022F2201.D	02/07/12 04:00
GW0496	1202028-09	023F2301.D	02/07/12 04:33
Calibration Check	2B03806-CCV3	029F2901.D	02/07/12 07:51

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	017F1701.D
Sampled:	01/27/12 13:01	Prepared:	01/30/12 15:30	Analyzed:	01/31/12 21:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30023 Sequence: 2B03311 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02480	129	30 - 140	

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	006F0601.D
Sampled:	01/26/12 15:59	Prepared:	01/30/12 15:30	Analyzed:	02/03/12 12:05
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2A30023 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	5.13	0.472	0.472	0.472	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01997	106	30 - 140	

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	019F1901.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 15:30	Analyzed:	01/31/12 22:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30023 Sequence: 2B03311 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02346	122	30 - 140	

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	020F2001.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 15:30	Analyzed:	01/31/12 23:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30023 Sequence: 2B03311 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02495	130	30 - 140	

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	022F2201.D
Sampled:	01/27/12 13:31	Prepared:	01/30/12 15:30	Analyzed:	02/01/12 00:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30023 Sequence: 2B03311 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02242	117	30 - 140	

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	023F2301.D
Sampled:	01/27/12 10:56	Prepared:	01/30/12 15:30	Analyzed:	02/01/12 00:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2A30023 Sequence: 2B03311 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02413	128	30 - 140	

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	009F0901.D
Sampled:	01/30/12 16:36	Prepared:	02/02/12 09:30	Analyzed:	02/03/12 13:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02002 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	Q, N, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01293	65.9	30 - 140	

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01RE1	File ID:	006F0601.D
Sampled:	01/30/12 16:36	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 19:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.198	0.198	0.198	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01898	95.9	30 - 140	

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	012F1201.D
Sampled:	01/31/12 12:25	Prepared:	02/02/12 09:30	Analyzed:	02/03/12 15:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02002 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	Q, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01611	80.5	30 - 140	

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03RE1	File ID:	009F0901.D
Sampled:	01/31/12 12:25	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 20:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.200	0.200	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02138	107	30 - 140	

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	013F1301.D
Sampled:	01/31/12 10:25	Prepared:	02/02/12 09:30	Analyzed:	02/03/12 16:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02002 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	Q, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01600	81.6	30 - 140	

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05RE1	File ID:	010F1001.D
Sampled:	01/31/12 10:25	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 21:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.196	0.196	0.196	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01826	93.2	30 - 140	

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	014F1401.D
Sampled:	01/30/12 11:22	Prepared:	02/02/12 09:30	Analyzed:	02/03/12 16:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02002 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	Q, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01651	85.9	30 - 140	

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07RE1	File ID:	011F1101.D
Sampled:	01/30/12 11:22	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 21:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.211	0.211	0.211	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.02075	98.6	30 - 140	

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	015F1501.D
Sampled:	01/31/12 11:56	Prepared:	02/02/12 09:30	Analyzed:	02/03/12 17:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02002 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	Q, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01762	89.9	30 - 140	

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09RE1	File ID:	012F1201.D
Sampled:	01/31/12 11:56	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 22:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.200	0.200	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02079	104	30 - 140	

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	016F1601.D
Sampled:	01/30/12 12:51	Prepared:	02/02/12 09:30	Analyzed:	02/03/12 17:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B02002 Sequence: 2B03709 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	Q, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01964	100	30 - 140	

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11RE1	File ID:	013F1301.D
Sampled:	01/30/12 12:51	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 23:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.200	0.200	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01775	88.8	30 - 140	

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	014F1401.D
Sampled:	02/01/12 13:47	Prepared:	02/06/12 12:19	Analyzed:	02/06/12 23:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.105	0.105	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.01991	94.6	30 - 140	

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	015F1501.D
Sampled:	01/31/12 15:15	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 00:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01802	90.1	30 - 140	

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05	File ID:	016F1601.D
Sampled:	01/31/12 15:13	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 00:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.111	0.111	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.02025	91.1	30 - 140	

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	017F1701.D
Sampled:	02/01/12 11:05	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 01:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.105	0.105	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.02165	103	30 - 140	

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	019F1901.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 02:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.105	0.105	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.02015	95.7	30 - 140	

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	020F2001.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 02:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.105	0.105	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.02008	95.4	30 - 140	

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	021F2101.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 03:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.105	0.105	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.02251	107	30 - 140	

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	022F2201.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 04:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.105	0.105	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.02152	102	30 - 140	

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	023F2301.D
Sampled:	02/01/12 15:25	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 04:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02130	106	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30023	Laboratory ID:	2A30023-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	0.6565	65.7	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	0.6376	63.8	2.93	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06019	Laboratory ID:	2B06019-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.6899	69.0	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02002	Laboratory ID:	2B02002-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**	**0.4163**	**41.6**	**50 - 150**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B06019

% Solids:

Source Sample Name: **1202006-01RE1**

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	0.6520	65.2		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)	1.000	0.6463	64.6	0.869		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02002

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	ND	0.3481	34.8	*	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9804	0.3359	34.3	3.55	*	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2A30023 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	01/30/12 15:30	1,040.00	1.00
GW0465	1201196-03	01/30/12 15:30	1,060.00	1.00
GW0473	1201196-05	01/30/12 15:30	1,040.00	1.00
GW0474	1201196-07	01/30/12 15:30	1,040.00	1.00
GW0494	1201196-09	01/30/12 15:30	1,040.00	1.00
GW0495	1201196-11	01/30/12 15:30	1,060.00	1.00
Blank	2A30023-BLK1	01/30/12 15:30	1,000.00	1.00
LCS	2A30023-BS1	01/30/12 15:30	1,000.00	1.00
LCS Dup	2A30023-BSD1	01/30/12 15:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B06019 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01RE1	02/06/12 12:19	505.00	1.00
GW0422	1202006-03RE1	02/06/12 12:19	500.00	1.00
GW0423	1202006-05RE1	02/06/12 12:19	510.00	1.00
GW0424	1202006-07RE1	02/06/12 12:19	475.00	1.00
GW0436	1202006-09RE1	02/06/12 12:19	500.00	1.00
GW0437	1202006-11RE1	02/06/12 12:19	500.00	1.00
GW0382	1202022-01	02/06/12 12:19	950.00	1.00
GW0395	1202022-03	02/06/12 12:19	1,000.00	1.00
GW0435	1202022-05	02/06/12 12:19	900.00	1.00
GW0497	1202022-07	02/06/12 12:19	950.00	1.00
GW0400	1202028-01	02/06/12 12:19	950.00	1.00
GW0401	1202028-03	02/06/12 12:19	950.00	1.00
GW0420	1202028-05	02/06/12 12:19	950.00	1.00
GW0421	1202028-07	02/06/12 12:19	950.00	1.00
GW0496	1202028-09	02/06/12 12:19	1,000.00	1.00
Blank	2B06019-BLK1	02/06/12 12:19	1,000.00	1.00
LCS	2B06019-BS1	02/06/12 12:19	1,000.00	1.00
GW0409	2B06019-MS1	02/06/12 12:19	500.00	1.00
GW0409	2B06019-MSD1	02/06/12 12:19	500.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B02002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/02/12 09:30	1,020.00	1.00
GW0422	1202006-03	02/02/12 09:30	1,000.00	1.00
GW0423	1202006-05	02/02/12 09:30	1,020.00	1.00
GW0424	1202006-07	02/02/12 09:30	1,040.00	1.00
GW0436	1202006-09	02/02/12 09:30	1,020.00	1.00
GW0437	1202006-11	02/02/12 09:30	1,020.00	1.00
Blank	2B02002-BLK1	02/02/12 09:30	1,000.00	1.00
LCS	2B02002-BS1	02/02/12 09:30	1,000.00	1.00
GW0409	2B02002-MS1	02/02/12 09:30	1,000.00	1.00
GW0409	2B02002-MSD1	02/02/12 09:30	1,020.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00203	Instrument:	GL-GCFID2
Calibration:	2002005		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11K0386	DRO ICAL6@100ppm	2A00203-CAL1	019F1901.D	12/29/11 01:48
11K0385	DRO ICAL5@250ppm	2A00203-CAL2	020F2001.D	12/29/11 02:21
11K0384	DRO ICAL4@500ppm	2A00203-CAL3	021F2101.D	12/29/11 02:55
11K0383	DRO ICAL3@1000ppm	2A00203-CAL4	022F2201.D	12/29/11 03:28
11K0382	DRO ICAL2@2500ppm	2A00203-CAL5	023F2301.D	12/29/11 04:01
11K0381	DRO ICAL1@5000ppm	2A00203-CAL6	024F2401.D	12/29/11 04:34

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2002005	Instrument:	GL-GCFID2
Matrix:	Water	Calibration Dates:	12/29/11 1:48 12/29/11 4:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	100	833.24	250	799.816	500	821.242	1000	895.915	2500	942.2172	5000	1212.126
o-Terphenyl	5	1071.8	12.5	1188.24	25	1161.52	50	1157.34	125	1158.08	250	1109.332

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2002005	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	12/29/11 1:48	12/29/11 4:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	917.426	16.7518	5.967	2.470398E-02			20	
o-Terphenyl	1141.052	3.718779	11.01183	3.526031E-02			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	025F2501.D	Calibration Date:	01/02/12 23:46
Sequence:	2A00203	Injection Date:	12/29/11
Lab Sample ID:	2A00203-ICV1	Injection Time:	05:07

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	974.2	917.426	893.774		-2.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	007F0701.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03311	Injection Date:	01/31/12
Lab Sample ID:	2B03311-CCV1	Injection Time:	16:04

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	938.4	917.426	860.925		-6.2	20
o-Terphenyl	A	50.00	56.21	1141.052	1282.7		12.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	021F2101.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03311	Injection Date:	01/31/12
Lab Sample ID:	2B03311-CCV2	Injection Time:	23:47

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	929.0	917.426	852.272		-7.1	20
o-Terphenyl	A	50.00	55.12	1141.052	1257.94		10.2	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	024F2401.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03311	Injection Date:	02/01/12
Lab Sample ID:	2B03311-CCV3	Injection Time:	01:27

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	873.4	917.426	801.248		-12.7	20
o-Terphenyl	A	50.00	53.18	1141.052	1213.62		6.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	005F0501.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03709	Injection Date:	02/03/12
Lab Sample ID:	2B03709-CCV1	Injection Time:	11:32

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	942.3	917.426	864.533		-5.8	20
o-Terphenyl	A	50.00	57.89	1141.052	1321.08		15.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	017F1701.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03709	Injection Date:	02/03/12
Lab Sample ID:	2B03709-CCV2	Injection Time:	18:19

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	921.0	917.426	845.002		-7.9	20
o-Terphenyl	A	50.00	55.74	1141.052	1272.02		11.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	003F0301.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03806	Injection Date:	02/06/12
Lab Sample ID:	2B03806-CCV1	Injection Time:	17:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	937.0	917.426	859.636		-6.3	20
o-Terphenyl	A	50.00	56.78	1141.052	1295.78		13.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	018F1801.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03806	Injection Date:	02/07/12
Lab Sample ID:	2B03806-CCV2	Injection Time:	01:47

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	941.0	917.426	863.335		-5.9	20
o-Terphenyl	A	50.00	57.12	1141.052	1303.64		14.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	029F2901.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03806	Injection Date:	02/07/12
Lab Sample ID:	2B03806-CCV3	Injection Time:	07:51

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	973.3	917.426	892.958		-2.7	20
o-Terphenyl	A	50.00	58.48	1141.052	1334.48		17.0	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03311	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03311-CCV1) mg/L				Lab File ID: 007F0701.D		Analyzed: 01/31/12 16:04		
o-Terphenyl	50.00	112	80 - 120	10.893	10.893	0.0000	+/-0.050	
Blank (2A30023-BLK1) mg/L				Lab File ID: 008F0801.D		Analyzed: 01/31/12 16:37		
o-Terphenyl	0.02000	119	30 - 140	10.923	10.893	0.0300	+/-0.050	
LCS (2A30023-BS1) mg/L				Lab File ID: 009F0901.D		Analyzed: 01/31/12 17:11		
o-Terphenyl	0.02000	112	30 - 140	10.926	10.893	0.0330	+/-0.050	
LCS Dup (2A30023-BSD1) mg/L				Lab File ID: 010F1001.D		Analyzed: 01/31/12 17:44		
o-Terphenyl	0.02000	110	30 - 140	10.913	10.893	0.0200	+/-0.050	
GW0411 (1201196-01) mg/L				Lab File ID: 017F1701.D		Analyzed: 01/31/12 21:35		
o-Terphenyl	0.01923	129	30 - 140	10.876	10.893	-0.0170	+/-0.050	
GW0473 (1201196-05) mg/L				Lab File ID: 019F1901.D		Analyzed: 01/31/12 22:41		
o-Terphenyl	0.01923	122	30 - 140	10.866	10.893	-0.0270	+/-0.050	
GW0474 (1201196-07) mg/L				Lab File ID: 020F2001.D		Analyzed: 01/31/12 23:14		
o-Terphenyl	0.01923	130	30 - 140	10.866	10.893	-0.0270	+/-0.050	
Calibration Check (2B03311-CCV2) mg/L				Lab File ID: 021F2101.D		Analyzed: 01/31/12 23:47		
o-Terphenyl	50.00	110	80 - 120	10.856	10.893	-0.0370	+/-0.050	
GW0494 (1201196-09) mg/L				Lab File ID: 022F2201.D		Analyzed: 02/01/12 00:21		
o-Terphenyl	0.01923	117	30 - 140	10.856	10.893	-0.0370	+/-0.050	
GW0495 (1201196-11) mg/L				Lab File ID: 023F2301.D		Analyzed: 02/01/12 00:54		
o-Terphenyl	0.01887	128	30 - 140	10.856	10.893	-0.0370	+/-0.050	
Calibration Check (2B03311-CCV3) mg/L				Lab File ID: 024F2401.D		Analyzed: 02/01/12 01:27		
o-Terphenyl	50.00	106	80 - 120	10.856	10.893	-0.0370	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03709	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03709-CCV1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/03/12 11:32		
o-Terphenyl	50.00	116	80 - 120	10.903	10.903	0.0000	+/-0.050	
GW0465 (1201196-03) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/03/12 12:05		
o-Terphenyl	0.01887	106	30 - 140	10.893	10.903	-0.0100	+/-0.050	
Calibration Check (2B03709-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/03/12 18:19		
o-Terphenyl	50.00	111	80 - 120	10.89	10.903	-0.0130	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03709	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03709-CCV1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/03/12 11:32		
o-Terphenyl	50.00	116	80 - 120	10.903	10.903	0.0000	+/-0.050	
Blank (2B02002-BLK1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/03/12 12:39		
o-Terphenyl	0.02000	92.8	30 - 140	10.906	10.903	0.0030	+/-0.050	
LCS (2B02002-BS1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/03/12 13:21		
o-Terphenyl	0.02000	68.4	30 - 140	10.93	10.903	0.0270	+/-0.050	
GW0409 (1202006-01) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/03/12 13:54		
o-Terphenyl	0.01961	65.9	30 - 140	10.903	10.903	0.0000	+/-0.050	
Matrix Spike (2B02002-MS1) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/03/12 14:28		
o-Terphenyl	0.02000	52.7	30 - 140	10.9	10.903	-0.0030	+/-0.050	
Matrix Spike Dup (2B02002-MSD1) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/03/12 15:01		
o-Terphenyl	0.01961	52.2	30 - 140	10.893	10.903	-0.0100	+/-0.050	
GW0422 (1202006-03) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/03/12 15:34		
o-Terphenyl	0.02000	80.5	30 - 140	10.9	10.903	-0.0030	+/-0.050	
GW0423 (1202006-05) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/03/12 16:07		
o-Terphenyl	0.01961	81.6	30 - 140	10.89	10.903	-0.0130	+/-0.050	
GW0424 (1202006-07) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/03/12 16:40		
o-Terphenyl	0.01923	85.9	30 - 140	10.893	10.903	-0.0100	+/-0.050	
GW0436 (1202006-09) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/03/12 17:13		
o-Terphenyl	0.01961	89.9	30 - 140	10.9	10.903	-0.0030	+/-0.050	
GW0437 (1202006-11) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/03/12 17:46		
o-Terphenyl	0.01961	100	30 - 140	10.906	10.903	0.0030	+/-0.050	
Calibration Check (2B03709-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/03/12 18:19		
o-Terphenyl	50.00	111	80 - 120	10.89	10.903	-0.0130	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03806	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03806-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/06/12 17:34		
o-Terphenyl	50.00	114	80 - 120	10.926	10.926	0.0000	+/-0.050	
Blank (2B06019-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/06/12 18:07		
o-Terphenyl	0.02000	93.8	30 - 140	10.906	10.926	-0.0200	+/-0.050	
LCS (2B06019-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/06/12 18:40		
o-Terphenyl	0.02000	97.1	30 - 140	10.903	10.926	-0.0230	+/-0.050	
GW0409 (1202006-01RE1) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/06/12 19:13		
o-Terphenyl	0.01980	95.9	30 - 140	10.913	10.926	-0.0130	+/-0.050	
Matrix Spike (2B06019-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/06/12 19:45		
o-Terphenyl	0.02000	95.5	30 - 140	10.9	10.926	-0.0260	+/-0.050	
Matrix Spike Dup (2B06019-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/06/12 20:18		
o-Terphenyl	0.02000	93.2	30 - 140	10.893	10.926	-0.0330	+/-0.050	
GW0422 (1202006-03RE1) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/06/12 20:51		
o-Terphenyl	0.02000	107	30 - 140	10.896	10.926	-0.0300	+/-0.050	
GW0423 (1202006-05RE1) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/06/12 21:23		
o-Terphenyl	0.01961	93.2	30 - 140	10.903	10.926	-0.0230	+/-0.050	
GW0424 (1202006-07RE1) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/06/12 21:56		
o-Terphenyl	0.02105	98.6	30 - 140	10.9	10.926	-0.0260	+/-0.050	
GW0436 (1202006-09RE1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/06/12 22:29		
o-Terphenyl	0.02000	104	30 - 140	10.89	10.926	-0.0360	+/-0.050	
GW0437 (1202006-11RE1) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/06/12 23:02		
o-Terphenyl	0.02000	88.8	30 - 140	10.886	10.926	-0.0400	+/-0.050	
GW0382 (1202022-01) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/06/12 23:35		
o-Terphenyl	0.02105	94.6	30 - 140	10.876	10.926	-0.0500	+/-0.050	
GW0395 (1202022-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/07/12 00:08		
o-Terphenyl	0.02000	90.1	30 - 140	10.876	10.926	-0.0500	+/-0.050	
GW0435 (1202022-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/07/12 00:41		
o-Terphenyl	0.02222	91.1	30 - 140	10.87	10.926	-0.0560	+/-0.050	*
GW0497 (1202022-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/07/12 01:14		
o-Terphenyl	0.02105	103	30 - 140	10.876	10.926	-0.0500	+/-0.050	
Calibration Check (2B03806-CCV2) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/07/12 01:47		
o-Terphenyl	50.00	114	80 - 120	10.866	10.926	-0.0600	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03806	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0400 (1202028-01) mg/L				Lab File ID: 019F1901.D		Analyzed: 02/07/12 02:21		
o-Terphenyl	0.02105	95.7	30 - 140	10.873	10.926	-0.0530	+/-0.050	*
GW0401 (1202028-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 02/07/12 02:54		
o-Terphenyl	0.02105	95.4	30 - 140	10.876	10.926	-0.0500	+/-0.050	
GW0420 (1202028-05) mg/L				Lab File ID: 021F2101.D		Analyzed: 02/07/12 03:27		
o-Terphenyl	0.02105	107	30 - 140	10.886	10.926	-0.0400	+/-0.050	
GW0421 (1202028-07) mg/L				Lab File ID: 022F2201.D		Analyzed: 02/07/12 04:00		
o-Terphenyl	0.02105	102	30 - 140	10.89	10.926	-0.0360	+/-0.050	
GW0496 (1202028-09) mg/L				Lab File ID: 023F2301.D		Analyzed: 02/07/12 04:33		
o-Terphenyl	0.02000	106	30 - 140	10.883	10.926	-0.0430	+/-0.050	
Calibration Check (2B03806-CCV3) mg/L				Lab File ID: 029F2901.D		Analyzed: 02/07/12 07:51		
o-Terphenyl	50.00	117	80 - 120	10.85	10.926	-0.0760	+/-0.050	*

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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
GW0411	01/27/12 13:01	01/28/12 08:25	01/30/12 15:30	3.06	7.00	01/31/12 21:35	1.25	40.00	
GW0465	01/26/12 15:59	01/28/12 08:25	01/30/12 15:30	3.94	7.00	02/03/12 12:05	3.86	40.00	
GW0473	01/26/12 16:25	01/28/12 08:25	01/30/12 15:30	3.92	7.00	01/31/12 22:41	1.30	40.00	
GW0474	01/26/12 16:25	01/28/12 08:25	01/30/12 15:30	3.92	7.00	01/31/12 23:14	1.32	40.00	
GW0494	01/27/12 13:31	01/28/12 08:25	01/30/12 15:30	3.04	7.00	02/01/12 00:21	1.37	40.00	
GW0495	01/27/12 10:56	01/28/12 08:25	01/30/12 15:30	3.15	7.00	02/01/12 00:54	1.39	40.00	
GW0409	01/30/12 16:36	02/01/12 08:20	02/06/12 12:19	6.82	7.00	02/06/12 19:13	0.29	40.00	
GW0422	01/31/12 12:25	02/01/12 08:20	02/06/12 12:19	6.00	7.00	02/06/12 20:51	0.36	40.00	
GW0423	01/31/12 10:25	02/01/12 08:20	02/06/12 12:19	6.08	7.00	02/06/12 21:23	0.38	40.00	
GW0424	01/30/12 11:22	02/01/12 08:20	02/06/12 12:19	7.04	7.00	02/06/12 21:56	0.40	40.00	
GW0436	01/31/12 11:56	02/01/12 08:20	02/06/12 12:19	6.02	7.00	02/06/12 22:29	0.42	40.00	
GW0437	01/30/12 12:51	02/01/12 08:20	02/06/12 12:19	6.98	7.00	02/06/12 23:02	0.45	40.00	
GW0382	02/01/12 13:47	02/02/12 08:30	02/06/12 12:19	4.90	7.00	02/06/12 23:35	0.47	40.00	
GW0395	01/31/12 15:15	02/02/12 08:30	02/06/12 12:19	5.84	7.00	02/07/12 00:08	0.49	40.00	
GW0435	01/31/12 15:13	02/02/12 08:30	02/06/12 12:19	5.84	7.00	02/07/12 00:41	0.52	40.00	
GW0497	02/01/12 11:05	02/02/12 08:30	02/06/12 12:19	5.01	7.00	02/07/12 01:14	0.54	40.00	
GW0400	02/02/12 12:27	02/03/12 08:30	02/06/12 12:19	3.95	7.00	02/07/12 02:21	0.58	40.00	
GW0401	02/02/12 12:27	02/03/12 08:30	02/06/12 12:19	3.95	7.00	02/07/12 02:54	0.61	40.00	
GW0420	02/02/12 11:55	02/03/12 08:30	02/06/12 12:19	3.98	7.00	02/07/12 03:27	0.63	40.00	
GW0421	02/02/12 11:55	02/03/12 08:30	02/06/12 12:19	3.98	7.00	02/07/12 04:00	0.65	40.00	
GW0496	02/01/12 15:25	02/03/12 08:30	02/06/12 12:19	4.83	7.00	02/07/12 04:33	0.68	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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
GW0409	01/30/12 16:36	02/01/12 08:20	02/02/12 09:30	2.70	7.00	02/03/12 13:54	1.18	40.00	
GW0422	01/31/12 12:25	02/01/12 08:20	02/02/12 09:30	1.88	7.00	02/03/12 15:34	1.25	40.00	
GW0423	01/31/12 10:25	02/01/12 08:20	02/02/12 09:30	1.96	7.00	02/03/12 16:07	1.28	40.00	
GW0424	01/30/12 11:22	02/01/12 08:20	02/02/12 09:30	2.92	7.00	02/03/12 16:40	1.30	40.00	
GW0436	01/31/12 11:56	02/01/12 08:20	02/02/12 09:30	1.90	7.00	02/03/12 17:13	1.32	40.00	
GW0437	01/30/12 12:51	02/01/12 08:20	02/02/12 09:30	2.86	7.00	02/03/12 17:46	1.34	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30023-BLK1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	01/31/12 16:37
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2A30023	Sequence:	2B03311	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02381	119	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30023-BS1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	01/31/12 17:11
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2A30023	Sequence:	2B03311	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6565	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02235	112	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30023-BSD1	File ID:	010F1001.D
Sampled:		Prepared:		Analyzed:	01/31/12 17:44
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2A30023	Sequence:	2B03311	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6376	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02204	110	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06019-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/06/12 18:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B06019	Sequence:	2B03806	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01876	93.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06019-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/06/12 18:40
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B06019	Sequence:	2B03806	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6899	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01941	97.1	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06019-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/06/12 19:45
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B06019	Sequence:	2B03806	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6520	0.200	0.200	0.200	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01910	95.5	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B06019-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/06/12 20:18
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6463	0.200	0.200	0.200	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01865	93.2	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02002-BLK1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/03/12 12:39
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B02002	Sequence:	2B03709	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	Q, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01855	92.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02002-BS1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/03/12 13:21
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B02002	Sequence:	2B03709	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.4163	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01367	68.4	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02002-MS1	File ID:	010F1001.D
Sampled:		Prepared:		Analyzed:	02/03/12 14:28
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B02002	Sequence:	2B03709	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.3481	0.100	0.100	0.100	Q

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01055	52.7	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02002-MSD1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	02/03/12 15:01
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B02002	Sequence:	2B03709	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.3359	0.0980	0.0980	0.0980	Q

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01024	52.2	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A01310	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2A01310-CAL1	003F0301.D	01/10/12 16:43
Cal Standard	2A01310-CAL2	004F0401.D	01/10/12 17:21
Cal Standard	2A01310-CAL3	005F0501.D	01/10/12 17:59
Cal Standard	2A01310-CAL4	006F0601.D	01/10/12 18:37
Cal Standard	2A01310-CAL5	007F0701.D	01/10/12 19:14
Cal Standard	2A01310-CAL6	008F0801.D	01/10/12 19:52
Initial Cal Check	2A01310-ICV1	009F0901.D	01/10/12 20:30

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A03108	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2A03108-CCV1	003F0301.D	01/30/12 14:01
LCS	2A30020-BS1	004F0401.D	01/30/12 14:40
Blank	2A30020-BLK1	005F0501.D	01/30/12 15:42
GW0411	1201196-01	012F1201.D	01/30/12 20:15
GW0411	2A30020-MS1	013F1301.D	01/30/12 20:54
GW0411	2A30020-MSD1	014F1401.D	01/30/12 21:33
GW0465	1201196-03	015F1501.D	01/30/12 22:12
GW0473	1201196-05	016F1601.D	01/30/12 22:51
GW0474	1201196-07	017F1701.D	01/30/12 23:30
Calibration Check	2A03108-CCV2	018F1801.D	01/31/12 00:10
GW0494	1201196-09	019F1901.D	01/31/12 00:49
GW0495	1201196-11	020F2001.D	01/31/12 01:28
Calibration Check	2A03108-CCV3	021F2101.D	01/31/12 02:07

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03428	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03428-CCV1	003F0301.D	02/02/12 11:31
LCS	2B02001-BS1	004F0401.D	02/02/12 12:10
Blank	2B02001-BLK1	005F0501.D	02/02/12 13:21
GW0409	1202006-01	006F0601.D	02/02/12 13:59
GW0409	2B02001-MS1	007F0701.D	02/02/12 14:38
GW0409	2B02001-MSD1	008F0801.D	02/02/12 15:16
GW0422	1202006-03	009F0901.D	02/02/12 15:54
GW0423	1202006-05	010F1001.D	02/02/12 16:33
GW0424	1202006-07	011F1101.D	02/02/12 17:11
GW0436	1202006-09	012F1201.D	02/02/12 17:49
GW0437	1202006-11	013F1301.D	02/02/12 18:27
Calibration Check	2B03428-CCV2	014F1401.D	02/02/12 19:05

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03706	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03706-CCV1	003F0301.D	02/03/12 15:17
LCS	2B03423-BS1	004F0401.D	02/03/12 15:55
Blank	2B03423-BLK1	005F0501.D	02/03/12 16:34
GW0382	1202022-01	006F0601.D	02/03/12 17:12
GW0395	1202022-03	007F0701.D	02/03/12 17:50
GW0435	1202022-05	008F0801.D	02/03/12 18:28
GW0497	1202022-07	008F0901.D	02/03/12 19:06
GW0400	1202028-01	010F1001.D	02/03/12 19:44
GW0401	1202028-03	011F1101.D	02/03/12 20:22
GW0420	1202028-05	012F1201.D	02/03/12 21:01
GW0421	1202028-07	013F1301.D	02/03/12 21:39
GW0496	1202028-09	014F1401.D	02/03/12 22:17
GW0496	2B03423-MS1	015F1501.D	02/03/12 22:55
GW0496	2B03423-MSD1	016F1601.D	02/03/12 23:33
Calibration Check	2B03706-CCV2	017F1701.D	02/04/12 00:11

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	012F1201.D
Sampled:	01/27/12 13:01	Prepared:	01/30/12 11:09	Analyzed:	01/30/12 20:15
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05479	110	50 - 150	

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	015F1501.D
Sampled:	01/26/12 15:59	Prepared:	01/30/12 11:09	Analyzed:	01/30/12 22:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.29	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06216	124	50 - 150	

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	016F1601.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 11:09	Analyzed:	01/30/12 22:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06389	128	50 - 150	

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	017F1701.D
Sampled:	01/26/12 16:25	Prepared:	01/30/12 11:09	Analyzed:	01/30/12 23:30
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06112	122	50 - 150	

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	019F1901.D
Sampled:	01/27/12 13:31	Prepared:	01/30/12 11:09	Analyzed:	01/31/12 00:49
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05871	117	50 - 150	

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	020F2001.D
Sampled:	01/27/12 10:56	Prepared:	01/30/12 11:09	Analyzed:	01/31/12 01:28
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05987	120	50 - 150	

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	006F0601.D
Sampled:	01/30/12 16:36	Prepared:	02/02/12 07:08	Analyzed:	02/02/12 13:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05698	114	50 - 150	

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	009F0901.D
Sampled:	01/31/12 12:25	Prepared:	02/02/12 07:08	Analyzed:	02/02/12 15:54
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05525	110	50 - 150	

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	010F1001.D
Sampled:	01/31/12 10:25	Prepared:	02/02/12 07:08	Analyzed:	02/02/12 16:33
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05515	110	50 - 150	

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	011F1101.D
Sampled:	01/30/12 11:22	Prepared:	02/02/12 07:08	Analyzed:	02/02/12 17:11
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05491	110	50 - 150	

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	012F1201.D
Sampled:	01/31/12 11:56	Prepared:	02/02/12 07:08	Analyzed:	02/02/12 17:49
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05490	110	50 - 150	

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	013F1301.D
Sampled:	01/30/12 12:51	Prepared:	02/02/12 07:08	Analyzed:	02/02/12 18:27
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05391	108	50 - 150	

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	006F0601.D
Sampled:	02/01/12 13:47	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 17:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.151	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05629	113	50 - 150	

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	007F0701.D
Sampled:	01/31/12 15:15	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 17:50
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05921	118	50 - 150	

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05	File ID:	008F0801.D
Sampled:	01/31/12 15:13	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 18:28
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05720	114	50 - 150	

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	008F0901.D
Sampled:	02/01/12 11:05	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 19:06
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05789	116	50 - 150	

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	010F1001.D
Sampled:	02/02/12 12:27	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 19:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05755	115	50 - 150	

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	011F1101.D
Sampled:	02/02/12 12:27	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 20:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0603	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05910	118	50 - 150	

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	012F1201.D
Sampled:	02/02/12 11:55	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 21:01
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05858	117	50 - 150	

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	013F1301.D
Sampled:	02/02/12 11:55	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 21:39
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05754	115	50 - 150	

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	014F1401.D
Sampled:	02/01/12 15:25	Prepared:	02/03/12 13:33	Analyzed:	02/03/12 22:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05909	118	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30020	Laboratory ID:	2A30020-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	0.5707	114	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02001	Laboratory ID:	2B02001-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	0.4837	96.7	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03423	Laboratory ID:	2B03423-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	0.5518	110	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0411

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2A30020

% Solids:

Source Sample Name: **1201196-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4868	97.4		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4849	97.0	0.393		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02001

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.5264	105		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	0.5378	108	2.16		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0496

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B03423

% Solids:

Source Sample Name: **1202028-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.5212	104		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	0.5572	111	6.68		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2A30020 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	01/30/12 11:09	5.00	5.00
GW0465	1201196-03	01/30/12 11:09	5.00	5.00
GW0473	1201196-05	01/30/12 11:09	5.00	5.00
GW0474	1201196-07	01/30/12 11:09	5.00	5.00
GW0494	1201196-09	01/30/12 11:09	5.00	5.00
GW0495	1201196-11	01/30/12 11:09	5.00	5.00
Blank	2A30020-BLK1	01/30/12 11:09	5.00	5.00
LCS	2A30020-BS1	01/30/12 11:09	5.00	5.00
GW0411	2A30020-MS1	01/30/12 11:09	5.00	5.00
GW0411	2A30020-MSD1	01/30/12 11:09	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B02001 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/02/12 07:08	5.00	5.00
GW0422	1202006-03	02/02/12 07:08	5.00	5.00
GW0423	1202006-05	02/02/12 07:08	5.00	5.00
GW0424	1202006-07	02/02/12 07:08	5.00	5.00
GW0436	1202006-09	02/02/12 07:08	5.00	5.00
GW0437	1202006-11	02/02/12 07:08	5.00	5.00
Blank	2B02001-BLK1	02/02/12 07:08	5.00	5.00
LCS	2B02001-BS1	02/02/12 07:08	5.00	5.00
GW0409	2B02001-MS1	02/02/12 07:08	5.00	5.00
GW0409	2B02001-MSD1	02/02/12 07:08	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B03423 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0382	1202022-01	02/03/12 13:33	5.00	5.00
GW0395	1202022-03	02/03/12 13:33	5.00	5.00
GW0435	1202022-05	02/03/12 13:33	5.00	5.00
GW0497	1202022-07	02/03/12 13:33	5.00	5.00
GW0400	1202028-01	02/03/12 13:33	5.00	5.00
GW0401	1202028-03	02/03/12 13:33	5.00	5.00
GW0420	1202028-05	02/03/12 13:33	5.00	5.00
GW0421	1202028-07	02/03/12 13:33	5.00	5.00
GW0496	1202028-09	02/03/12 13:33	5.00	5.00
Blank	2B03423-BLK1	02/03/12 13:33	5.00	5.00
LCS	2B03423-BS1	02/03/12 13:33	5.00	5.00
GW0496	2B03423-MS1	02/03/12 13:33	5.00	5.00
GW0496	2B03423-MSD1	02/03/12 13:33	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A01310	Instrument:	GL-GCVOA2
Calibration:	2013003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12A0176	GRO Cal 0.1ppm	2A01310-CAL1	003F0301.D	01/10/12 16:43
12A0177	GRO Cal 0.2ppm	2A01310-CAL2	004F0401.D	01/10/12 17:21
12A0186	GRO Cal 0.5ppm	2A01310-CAL3	005F0501.D	01/10/12 17:59
12A0187	GRO Cal 1.0ppm	2A01310-CAL4	006F0601.D	01/10/12 18:37
12A0188	GRO Cal 2.0ppm	2A01310-CAL5	007F0701.D	01/10/12 19:14
12A0189	GRO Cal 5.0ppm	2A01310-CAL6	008F0801.D	01/10/12 19:52

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2013003	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	1/10/12 16:43	1/10/12 19:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	0.1	1802660	0.2	1361635	0.5	1141132	1	1304253	2	1238869	5	1204126
Bromofluorobenzene	0.01	1018300	0.02	958500	0.05	1110480	0.1	773880	0.2	884025	0.5	833310

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2013003	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	1/10/12 16:43	1/10/12 19:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1342112	17.758	7.777	1.116742E-02			20	
Bromofluorobenzene	929749.2	13.34889	20.288	0.0286463			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	009F0901.D	Calibration Date:	01/10/12 16:05
Sequence:	2A01310	Injection Date:	01/10/12
Lab Sample ID:	2A01310-ICV1	Injection Time:	20:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5640	1342112	1513952		12.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2A03108	Injection Date:	01/30/12
Lab Sample ID:	2A03108-CCV1	Injection Time:	14:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5505	1342112	1477718		10.1	20
Bromofluorobenzene	A	0.05000	0.04650	929749.2	864600		-7.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	018F1801.D	Calibration Date:	01/10/12 16:05
Sequence:	2A03108	Injection Date:	01/31/12
Lab Sample ID:	2A03108-CCV2	Injection Time:	00:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5053	1342112	1356312		1.1	20
Bromofluorobenzene	A	0.05000	0.04921	929749.2	915060		-1.6	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	021F2101.D	Calibration Date:	01/10/12 16:05
Sequence:	2A03108	Injection Date:	01/31/12
Lab Sample ID:	2A03108-CCV3	Injection Time:	02:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5275	1342112	1415970		5.5	20
Bromofluorobenzene	A	0.05000	0.04834	929749.2	898800		-3.3	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03428	Injection Date:	02/02/12
Lab Sample ID:	2B03428-CCV1	Injection Time:	11:31

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5453	1342112	1463638		9.1	20
Bromofluorobenzene	A	0.05000	0.05264	929749.2	978780		5.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	014F1401.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03428	Injection Date:	02/02/12
Lab Sample ID:	2B03428-CCV2	Injection Time:	19:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4708	1342112	1263676		-5.8	20
Bromofluorobenzene	A	0.05000	0.04628	929749.2	860580		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03706	Injection Date:	02/03/12
Lab Sample ID:	2B03706-CCV1	Injection Time:	15:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5949	1342112	1596848		19.0	20
Bromofluorobenzene	A	0.05000	0.05140	929749.2	955700		2.8	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	017F1701.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03706	Injection Date:	02/04/12
Lab Sample ID:	2B03706-CCV2	Injection Time:	00:11

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5180	1342112	1390296		3.6	20
Bromofluorobenzene	A	0.05000	0.04866	929749.2	904940		-2.7	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A03108	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2A03108-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 01/30/12 14:01		
Bromofluorobenzene	0.05000	93.0	80 - 120	20.243	20.243	0.0000	+/-0.210	
LCS (2A30020-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 01/30/12 14:40		
Bromofluorobenzene	0.05000	98.2	50 - 150	20.246	20.243	0.0030	+/-0.210	
Blank (2A30020-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 01/30/12 15:42		
Bromofluorobenzene	0.05000	111	50 - 150	20.246	20.243	0.0030	+/-0.210	
GW0411 (1201196-01) mg/L				Lab File ID: 012F1201.D		Analyzed: 01/30/12 20:15		
Bromofluorobenzene	0.05000	110	50 - 150	20.256	20.243	0.0130	+/-0.210	
Matrix Spike (2A30020-MS1) mg/L				Lab File ID: 013F1301.D		Analyzed: 01/30/12 20:54		
Bromofluorobenzene	0.05000	87.5	50 - 150	20.256	20.243	0.0130	+/-0.210	
Matrix Spike Dup (2A30020-MSD1) mg/L				Lab File ID: 014F1401.D		Analyzed: 01/30/12 21:33		
Bromofluorobenzene	0.05000	96.1	50 - 150	20.26	20.243	0.0170	+/-0.210	
GW0465 (1201196-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 01/30/12 22:12		
Bromofluorobenzene	0.05000	124	50 - 150	20.256	20.243	0.0130	+/-0.210	
GW0473 (1201196-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 01/30/12 22:51		
Bromofluorobenzene	0.05000	128	50 - 150	20.253	20.243	0.0100	+/-0.210	
GW0474 (1201196-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 01/30/12 23:30		
Bromofluorobenzene	0.05000	122	50 - 150	20.253	20.243	0.0100	+/-0.210	
Calibration Check (2A03108-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 01/31/12 00:10		
Bromofluorobenzene	0.05000	98.4	80 - 120	20.256	20.243	0.0130	+/-0.210	
GW0494 (1201196-09) mg/L				Lab File ID: 019F1901.D		Analyzed: 01/31/12 00:49		
Bromofluorobenzene	0.05000	117	50 - 150	20.256	20.243	0.0130	+/-0.210	
GW0495 (1201196-11) mg/L				Lab File ID: 020F2001.D		Analyzed: 01/31/12 01:28		
Bromofluorobenzene	0.05000	120	50 - 150	20.256	20.243	0.0130	+/-0.210	
Calibration Check (2A03108-CCV3) ug/mL				Lab File ID: 021F2101.D		Analyzed: 01/31/12 02:07		
Bromofluorobenzene	0.05000	96.7	80 - 120	20.253	20.243	0.0100	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03428	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03428-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/02/12 11:31		
Bromofluorobenzene	0.05000	105	80 - 120	20.26	20.26	0.0000	+/-0.210	
LCS (2B02001-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/02/12 12:10		
Bromofluorobenzene	0.05000	84.1	50 - 150	20.263	20.26	0.0030	+/-0.210	
Blank (2B02001-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/02/12 13:21		
Bromofluorobenzene	0.05000	121	50 - 150	20.263	20.26	0.0030	+/-0.210	
GW0409 (1202006-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/02/12 13:59		
Bromofluorobenzene	0.05000	114	50 - 150	20.266	20.26	0.0060	+/-0.210	
Matrix Spike (2B02001-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/02/12 14:38		
Bromofluorobenzene	0.05000	85.8	50 - 150	20.27	20.26	0.0100	+/-0.210	
Matrix Spike Dup (2B02001-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/02/12 15:16		
Bromofluorobenzene	0.05000	91.4	50 - 150	20.266	20.26	0.0060	+/-0.210	
GW0422 (1202006-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/02/12 15:54		
Bromofluorobenzene	0.05000	110	50 - 150	20.266	20.26	0.0060	+/-0.210	
GW0423 (1202006-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/02/12 16:33		
Bromofluorobenzene	0.05000	110	50 - 150	20.27	20.26	0.0100	+/-0.210	
GW0424 (1202006-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/02/12 17:11		
Bromofluorobenzene	0.05000	110	50 - 150	20.266	20.26	0.0060	+/-0.210	
GW0436 (1202006-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/02/12 17:49		
Bromofluorobenzene	0.05000	110	50 - 150	20.266	20.26	0.0060	+/-0.210	
GW0437 (1202006-11) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/02/12 18:27		
Bromofluorobenzene	0.05000	108	50 - 150	20.27	20.26	0.0100	+/-0.210	
Calibration Check (2B03428-CCV2) ug/mL				Lab File ID: 014F1401.D		Analyzed: 02/02/12 19:05		
Bromofluorobenzene	0.05000	92.6	80 - 120	20.273	20.26	0.0130	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03706	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03706-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/03/12 15:17		
Bromofluorobenzene	0.05000	103	80 - 120	20.256	20.256	0.0000	+/-0.210	
LCS (2B03423-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/03/12 15:55		
Bromofluorobenzene	0.05000	103	50 - 150	20.26	20.256	0.0040	+/-0.210	
Blank (2B03423-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/03/12 16:34		
Bromofluorobenzene	0.05000	115	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0382 (1202022-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/03/12 17:12		
Bromofluorobenzene	0.05000	113	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0395 (1202022-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/03/12 17:50		
Bromofluorobenzene	0.05000	118	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0435 (1202022-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/03/12 18:28		
Bromofluorobenzene	0.05000	114	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0497 (1202022-07) mg/L				Lab File ID: 008F0901.D		Analyzed: 02/03/12 19:06		
Bromofluorobenzene	0.05000	116	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0400 (1202028-01) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/03/12 19:44		
Bromofluorobenzene	0.05000	115	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0401 (1202028-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/03/12 20:22		
Bromofluorobenzene	0.05000	118	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0420 (1202028-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/03/12 21:01		
Bromofluorobenzene	0.05000	117	50 - 150	20.273	20.256	0.0170	+/-0.210	
GW0421 (1202028-07) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/03/12 21:39		
Bromofluorobenzene	0.05000	115	50 - 150	20.27	20.256	0.0140	+/-0.210	
GW0496 (1202028-09) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/03/12 22:17		
Bromofluorobenzene	0.05000	118	50 - 150	20.28	20.256	0.0240	+/-0.210	
Matrix Spike (2B03423-MS1) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/03/12 22:55		
Bromofluorobenzene	0.05000	97.0	50 - 150	20.286	20.256	0.0300	+/-0.210	
Matrix Spike Dup (2B03423-MSD1) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/03/12 23:33		
Bromofluorobenzene	0.05000	97.3	50 - 150	20.283	20.256	0.0270	+/-0.210	
Calibration Check (2B03706-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 02/04/12 00:11		
Bromofluorobenzene	0.05000	97.3	80 - 120	20.286	20.256	0.0300	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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
GW0411	01/27/12 13:01	01/28/12 08:25	01/30/12 11:09	N/A	14.00	01/30/12 20:15	3.26	14.00	
GW0465	01/26/12 15:59	01/28/12 08:25	01/30/12 11:09	N/A	14.00	01/30/12 22:12	4.22	14.00	
GW0473	01/26/12 16:25	01/28/12 08:25	01/30/12 11:09	N/A	14.00	01/30/12 22:51	4.23	14.00	
GW0474	01/26/12 16:25	01/28/12 08:25	01/30/12 11:09	N/A	14.00	01/30/12 23:30	4.25	14.00	
GW0494	01/27/12 13:31	01/28/12 08:25	01/30/12 11:09	N/A	14.00	01/31/12 00:49	3.43	14.00	
GW0495	01/27/12 10:56	01/28/12 08:25	01/30/12 11:09	N/A	14.00	01/31/12 01:28	3.56	14.00	
GW0409	01/30/12 16:36	02/01/12 08:20	02/02/12 07:08	N/A	14.00	02/02/12 13:59	2.89	14.00	
GW0422	01/31/12 12:25	02/01/12 08:20	02/02/12 07:08	N/A	14.00	02/02/12 15:54	2.15	14.00	
GW0423	01/31/12 10:25	02/01/12 08:20	02/02/12 07:08	N/A	14.00	02/02/12 16:33	2.26	14.00	
GW0424	01/30/12 11:22	02/01/12 08:20	02/02/12 07:08	N/A	14.00	02/02/12 17:11	3.24	14.00	
GW0436	01/31/12 11:56	02/01/12 08:20	02/02/12 07:08	N/A	14.00	02/02/12 17:49	2.25	14.00	
GW0437	01/30/12 12:51	02/01/12 08:20	02/02/12 07:08	N/A	14.00	02/02/12 18:27	3.23	14.00	
GW0382	02/01/12 13:47	02/02/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 17:12	2.10	14.00	
GW0395	01/31/12 15:15	02/02/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 17:50	3.07	14.00	
GW0435	01/31/12 15:13	02/02/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 18:28	3.09	14.00	
GW0497	02/01/12 11:05	02/02/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 19:06	2.29	14.00	
GW0400	02/02/12 12:27	02/03/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 19:44	1.26	14.00	
GW0401	02/02/12 12:27	02/03/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 20:22	1.29	14.00	
GW0420	02/02/12 11:55	02/03/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 21:01	1.34	14.00	
GW0421	02/02/12 11:55	02/03/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 21:39	1.36	14.00	
GW0496	02/01/12 15:25	02/03/12 08:30	02/03/12 13:33	N/A	14.00	02/03/12 22:17	2.24	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2A30020-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	01/30/12 15:42
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2A30020 Sequence: 2A03108 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05573	111	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30020-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	01/30/12 14:40
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2A30020	Sequence:	2A03108	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5707	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04908	98.2	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30020-MS1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	01/30/12 20:54
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2A30020	Sequence:	2A03108	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4868	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04377	87.5	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30020-MSD1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	01/30/12 21:33
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2A30020	Sequence:	2A03108	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4849	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04807	96.1	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02001-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/02/12 13:21
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B02001	Sequence:	2B03428	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06073	121	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02001-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/02/12 12:10
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B02001	Sequence:	2B03428	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4837	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04203	84.1	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B02001-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/02/12 14:38
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5264	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04292	85.8	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B02001-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/02/12 15:16
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B02001 Sequence: 2B03428 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5378	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04568	91.4	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B03423-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/03/12 16:34
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B03423	Sequence:	2B03706	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05731	115	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B03423-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/03/12 15:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B03423	Sequence:	2B03706	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5518	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05163	103	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B03423-MS1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	02/03/12 22:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B03423	Sequence:	2B03706	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5212	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04851	97.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B03423-MSD1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	02/03/12 23:33
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B03423 Sequence: 2B03706 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5572	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04864	97.3	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A03112	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2A03112-CAL1	002R0101.D	01/27/12 13:49
Cal Standard	2A03112-CAL1	002F0101.D	01/27/12 13:49
Cal Standard	2A03112-CAL2	003F0101.D	01/27/12 14:10
Cal Standard	2A03112-CAL2	003R0101.D	01/27/12 14:10
Cal Standard	2A03112-CAL3	004F0101.D	01/27/12 14:32
Cal Standard	2A03112-CAL3	004R0101.D	01/27/12 14:32
Cal Standard	2A03112-CAL4	005F0101.D	01/27/12 14:53
Cal Standard	2A03112-CAL4	005R0101.D	01/27/12 14:53
Cal Standard	2A03112-CAL5	006R0101.D	01/27/12 15:14
Cal Standard	2A03112-CAL5	006F0101.D	01/27/12 15:14
Cal Standard	2A03112-CAL6	007R0101.D	01/27/12 15:35
Cal Standard	2A03112-CAL6	007F0101.D	01/27/12 15:35
Cal Standard	2A03112-CAL7	008F0101.D	01/27/12 15:56
Cal Standard	2A03112-CAL7	008R0101.D	01/27/12 15:56
Cal Standard	2A03112-CAL8	009F0101.D	01/27/12 16:18
Cal Standard	2A03112-CAL8	009R0101.D	01/27/12 16:18
Cal Standard	2A03112-CAL9	010F0101.D	01/27/12 16:39
Cal Standard	2A03112-CAL9	010R0101.D	01/27/12 16:39
Initial Cal Check	2A03112-ICV1	011R0101.D	01/27/12 17:01
Initial Cal Check	2A03112-ICV1	011F0101.D	01/27/12 17:01

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03413	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03413-CCV1	002R0101.D	01/31/12 10:40
Calibration Check	2B03413-CCV1	002F0101.D	01/31/12 10:40
Blank	2A30024-BLK1	003R0101.D	01/31/12 11:01
LCS	2A30024-BS1	004R0101.D	01/31/12 11:22
LCS	2A30024-BS1	004F0101.D	01/31/12 11:22
LCS Dup	2A30024-BSD1	005F0101.D	01/31/12 11:44
LCS Dup	2A30024-BSD1	005R0101.D	01/31/12 11:44
GW0411	1201196-01	015R0101.D	01/31/12 16:18
Calibration Check	2B03413-CCV2	016F0101.D	01/31/12 16:39
Calibration Check	2B03413-CCV2	016R0101.D	01/31/12 16:39
GW0465	1201196-03	017R0101.D	01/31/12 17:00
GW0465	1201196-03	017F0101.D	01/31/12 17:00
GW0473	1201196-05	018F0101.D	01/31/12 17:21
GW0473	1201196-05	018R0101.D	01/31/12 17:21
GW0474	1201196-07	019R0101.D	01/31/12 17:43
GW0474	1201196-07	019F0101.D	01/31/12 17:43
GW0494	1201196-09	020R0101.D	01/31/12 18:04
GW0495	1201196-11	021R0101.D	01/31/12 18:25
Calibration Check	2B03413-CCV3	022R0101.D	01/31/12 18:46
Calibration Check	2B03413-CCV3	022F0101.D	01/31/12 18:46

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03708	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03708-CCV1	002R0101.D	02/02/12 12:20
Calibration Check	2B03708-CCV1	002F0101.D	02/02/12 12:20
Blank	2B02006-BLK1	003R0101.D	02/02/12 12:41
LCS	2B02006-BS1	004R0101.D	02/02/12 13:03
LCS	2B02006-BS1	004F0101.D	02/02/12 13:03
GW0409	1202006-01	005F0101.D	02/02/12 13:25
GW0409	2B02006-MS1	006R0101.D	02/02/12 13:47
GW0409	2B02006-MS1	006F0101.D	02/02/12 13:47
GW0409	2B02006-MSD1	007F0101.D	02/02/12 14:09
GW0409	2B02006-MSD1	007R0101.D	02/02/12 14:09
GW0422	1202006-03	008R0101.D	02/02/12 14:30
GW0423	1202006-05	009R0101.D	02/02/12 14:52
GW0424	1202006-07	010F0101.D	02/02/12 15:14
GW0436	1202006-09	011R0101.D	02/02/12 15:35
GW0436	1202006-09	011F0101.D	02/02/12 15:35
GW0437	1202006-11	012F0101.D	02/02/12 15:56
GW0437	1202006-11	012R0101.D	02/02/12 15:56
Calibration Check	2B03708-CCV2	013R0101.D	02/02/12 16:18
Calibration Check	2B03708-CCV2	013F0101.D	02/02/12 16:18

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03811	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03811-CCV1	002R0101.D	02/06/12 10:46
Calibration Check	2B03811-CCV1	002F0101.D	02/06/12 10:46
Blank	2B06006-BLK1	003R0101.D	02/06/12 11:07
LCS	2B06006-BS1	004R0101.D	02/06/12 11:29
LCS	2B06006-BS1	004F0101.D	02/06/12 11:29
LCS Dup	2B06006-BSD1	005F0101.D	02/06/12 11:49
LCS Dup	2B06006-BSD1	005R0101.D	02/06/12 11:49
GW0382	1202022-01	006F0101.D	02/06/12 12:11
GW0382	1202022-01	006R0101.D	02/06/12 12:11
GW0395	1202022-03	007R0101.D	02/06/12 12:32
GW0497	1202022-07	009R0101.D	02/06/12 13:15
GW0497	1202022-07	009F0101.D	02/06/12 13:15
GW0400	1202028-01	010R0101.D	02/06/12 13:37
GW0400	1202028-01	010F0101.D	02/06/12 13:37
GW0401	1202028-03	011R0101.D	02/06/12 13:58
GW0401	1202028-03	011F0101.D	02/06/12 13:58
GW0420	1202028-05	012R0101.D	02/06/12 14:20
GW0421	1202028-07	013R0101.D	02/06/12 14:41
GW0496	1202028-09	014F0101.D	02/06/12 15:03
GW0496	1202028-09	014R0101.D	02/06/12 15:03
Calibration Check	2B03811-CCV2	015R0101.D	02/06/12 15:24
Calibration Check	2B03811-CCV2	015F0101.D	02/06/12 15:24
Calibration Check	2B03811-CCV3	002R0101.D	02/07/12 12:38
Calibration Check	2B03811-CCV3	002F0101.D	02/07/12 12:38
GW0435	1202022-05RE1	003F0101.D	02/07/12 12:59
GW0435	1202022-05RE1	003R0101.D	02/07/12 12:59
Calibration Check	2B03811-CCV4	004R0101.D	02/07/12 13:21
Calibration Check	2B03811-CCV4	004F0101.D	02/07/12 13:21

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01	File ID:	015R0101.D
Sampled:	01/27/12 13:01	Prepared:	01/31/12 07:15	Analyzed:	01/31/12 16:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 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

GW0465

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03	File ID:	017R0101.D
Sampled:	01/26/12 15:59	Prepared:	01/31/12 07:15	Analyzed:	01/31/12 17:00
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.558	0.00933	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05	File ID:	018R0101.D
Sampled:	01/26/12 16:25	Prepared:	01/31/12 07:15	Analyzed:	01/31/12 17:21
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.432	0.00947	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07	File ID:	019R0101.D
Sampled:	01/26/12 16:25	Prepared:	01/31/12 07:15	Analyzed:	01/31/12 17:43
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.434	0.00950	0.0190	0.0285	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09	File ID:	020R0101.D
Sampled:	01/27/12 13:31	Prepared:	01/31/12 07:15	Analyzed:	01/31/12 18:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00941	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11	File ID:	021R0101.D
Sampled:	01/27/12 10:56	Prepared:	01/31/12 07:15	Analyzed:	01/31/12 18:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01	File ID:	005F0101.D
Sampled:	01/30/12 16:36	Prepared:	02/02/12 09:39	Analyzed:	02/02/12 13:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00931	0.0186	0.0279	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03	File ID:	008R0101.D
Sampled:	01/31/12 12:25	Prepared:	02/02/12 09:39	Analyzed:	02/02/12 14:30
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00936	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05	File ID:	009R0101.D
Sampled:	01/31/12 10:25	Prepared:	02/02/12 09:39	Analyzed:	02/02/12 14:52
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00938	0.0188	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07	File ID:	010F0101.D
Sampled:	01/30/12 11:22	Prepared:	02/02/12 09:39	Analyzed:	02/02/12 15:14
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 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

GW0436

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09	File ID:	011R0101.D
Sampled:	01/31/12 11:56	Prepared:	02/02/12 09:39	Analyzed:	02/02/12 15:35
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.214	0.00932	0.0186	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11	File ID:	012R0101.D
Sampled:	01/30/12 12:51	Prepared:	02/02/12 09:39	Analyzed:	02/02/12 15:56
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.564	0.00933	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01	File ID:	006R0101.D
Sampled:	02/01/12 13:47	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 12:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.888	0.00942	0.0188	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03	File ID:	007R0101.D
Sampled:	01/31/12 15:15	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 12:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00941	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05RE1	File ID:	003R0101.D
Sampled:	01/31/12 15:13	Prepared:	02/06/12 07:51	Analyzed:	02/07/12 12:59
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	2.28	0.0468	0.0936	0.140	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07	File ID:	009R0101.D
Sampled:	02/01/12 11:05	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 13:15
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.230	0.00939	0.0188	0.0282	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01	File ID:	010R0101.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 13:37
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0956	0.00944	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03	File ID:	011R0101.D
Sampled:	02/02/12 12:27	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 13:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.103	0.00939	0.0188	0.0282	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05	File ID:	012R0101.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 14:20
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00944	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07	File ID:	013R0101.D
Sampled:	02/02/12 11:55	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 14:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00933	0.0187	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09	File ID:	014R0101.D
Sampled:	02/01/12 15:25	Prepared:	02/06/12 07:51	Analyzed:	02/06/12 15:03
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0691	0.00948	0.0190	0.0284	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A30024	Laboratory ID:	2A30024-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	0.5121	102	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5311	106	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	0.5104	102	0.327	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5324	106	0.254	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02006	Laboratory ID:	2B02006-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	0.4813	96.3	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5607	112	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06006	Laboratory ID:	2B06006-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	0.4889	97.8	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5716	114	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	0.4784	95.7	2.16	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5456	109	4.66	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B02006

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4665	ND	0.4044	86.7		70 - 130
1,2-Dibromoethane [2C]	0.4665	ND	0.4636	99.4		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4698	0.4525	96.3	11.2		20	70 - 130
1,2-Dibromoethane [2C]	0.4698	0.5144	109	10.4		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2A30024 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	01/31/12 07:15	36.56	35.00
GW0465	1201196-03	01/31/12 07:15	37.53	35.00
GW0473	1201196-05	01/31/12 07:15	36.96	35.00
GW0474	1201196-07	01/31/12 07:15	36.85	35.00
GW0494	1201196-09	01/31/12 07:15	37.21	35.00
GW0495	1201196-11	01/31/12 07:15	36.98	35.00
Blank	2A30024-BLK1	01/31/12 07:15	35.00	35.00
LCS	2A30024-BS1	01/31/12 07:15	35.00	35.00
LCS Dup	2A30024-BSD1	01/31/12 07:15	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B02006 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/02/12 09:39	37.58	35.00
GW0422	1202006-03	02/02/12 09:39	37.38	35.00
GW0423	1202006-05	02/02/12 09:39	37.33	35.00
GW0424	1202006-07	02/02/12 09:39	37.26	35.00
GW0436	1202006-09	02/02/12 09:39	37.55	35.00
GW0437	1202006-11	02/02/12 09:39	37.53	35.00
Blank	2B02006-BLK1	02/02/12 09:39	35.00	35.00
LCS	2B02006-BS1	02/02/12 09:39	35.00	35.00
GW0409	2B02006-MS1	02/02/12 09:39	37.51	35.00
GW0409	2B02006-MSD1	02/02/12 09:39	37.25	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B06006 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0382	1202022-01	02/06/12 07:51	37.16	35.00
GW0395	1202022-03	02/06/12 07:51	37.21	35.00
GW0435	1202022-05RE1	02/06/12 07:51	37.38	35.00
GW0497	1202022-07	02/06/12 07:51	37.27	35.00
GW0400	1202028-01	02/06/12 07:51	37.08	35.00
GW0401	1202028-03	02/06/12 07:51	37.26	35.00
GW0420	1202028-05	02/06/12 07:51	37.09	35.00
GW0421	1202028-07	02/06/12 07:51	37.53	35.00
GW0496	1202028-09	02/06/12 07:51	36.91	35.00
Blank	2B06006-BLK1	02/06/12 07:51	35.00	35.00
LCS	2B06006-BS1	02/06/12 07:51	35.00	35.00
LCS Dup	2B06006-BSD1	02/06/12 07:51	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2A30024-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	01/31/12 07:15	Analyzed:	01/31/12 11:01
Solids:		Preparation:	EDB	Dilution:	

Batch: 2A30024 Sequence: 2B03413 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B02006-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/02/12 09:39	Analyzed:	02/02/12 12:41
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B02006 Sequence: 2B03708 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B06006-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/06/12 07:51	Analyzed:	02/06/12 11:07
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A03112	Instrument:	GL-ECD2
Calibration:	2031002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12A0603	EDB ICAL 1 (0.02ppb)	2A03112-CAL1	002R0101.D	01/27/12 13:49
12A0603	EDB ICAL 1 (0.02ppb)	2A03112-CAL1	002F0101.D	01/27/12 13:49
12A0604	EDB ICAL 2 (0.03ppb)	2A03112-CAL2	003F0101.D	01/27/12 14:10
12A0604	EDB ICAL 2 (0.03ppb)	2A03112-CAL2	003R0101.D	01/27/12 14:10
12A0605	EDB ICAL 3 (0.05ppb)	2A03112-CAL3	004F0101.D	01/27/12 14:32
12A0605	EDB ICAL 3 (0.05ppb)	2A03112-CAL3	004R0101.D	01/27/12 14:32
12A0606	EDB ICAL 4 (0.10ppb)	2A03112-CAL4	005R0101.D	01/27/12 14:53
12A0606	EDB ICAL 4 (0.10ppb)	2A03112-CAL4	005F0101.D	01/27/12 14:53
12A0607	EDB ICAL 5 (0.15ppb)	2A03112-CAL5	006R0101.D	01/27/12 15:14
12A0607	EDB ICAL 5 (0.15ppb)	2A03112-CAL5	006F0101.D	01/27/12 15:14
12A0608	EDB ICAL 6 (0.2ppb)	2A03112-CAL6	007F0101.D	01/27/12 15:35
12A0608	EDB ICAL 6 (0.2ppb)	2A03112-CAL6	007R0101.D	01/27/12 15:35
12A0609	EDB ICAL 7 (0.4ppb)	2A03112-CAL7	008F0101.D	01/27/12 15:56
12A0609	EDB ICAL 7 (0.4ppb)	2A03112-CAL7	008R0101.D	01/27/12 15:56
12A0610	EDB ICAL 8 (0.5ppb)	2A03112-CAL8	009F0101.D	01/27/12 16:18
12A0610	EDB ICAL 8 (0.5ppb)	2A03112-CAL8	009R0101.D	01/27/12 16:18
12A0611	EDB ICAL 9 (1.0ppb)	2A03112-CAL9	010R0101.D	01/27/12 16:39
12A0611	EDB ICAL 9 (1.0ppb)	2A03112-CAL9	010F0101.D	01/27/12 16:39

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2031002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	1/27/12_13:49	1/27/12_16:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.02	287100	0.03	202033.3	0.05	132560	0.1	91150	0.15	70960	0.2	63740
1,2-Dibromoethane [2C]	0.02	55400	0.03	49400	0.05	42020	0.1	38200	0.15	36873.33	0.2	35525
1,2-Dibromo-3-chloropropane	0.02	222850	0.03	171233.3	0.05	123480	0.1	93430	0.15	83613.34	0.2	77995
1,2-Dibromo-3-chloropropane [2C]	0.02	369350	0.03	271766.7	0.05	191340	0.1	123510	0.15	101186.7	0.2	88030

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2031002	Instrument:	GL-ECD2
Matrix:	Water	Calibration Dates:	1/27/12 13:49 1/27/12 16:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.4	47855	0.5	43860	1	35967						
1,2-Dibromoethane [2C]	0.4	32047.5	0.5	32036	1	30092						
1,2-Dibromo-3-chloropropane	0.4	63770	0.5	59166	1	50409						
1,2-Dibromo-3-chloropropane [2C]	0.4	69602.5	0.5	65082	1	55224						

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2031002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	1/27/12 13:49	1/27/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	108358.4	78.61695	2.409222	0.349693		0.9996656	0.995	
1,2-Dibromoethane [2C]	39065.98	21.78865	2.283444	0.2902418	0.9990539		0.995	
1,2-Dibromo-3-chloropropane	105105.2	54.98381	8.503667	2.539815E-02		0.999749	0.995	
1,2-Dibromo-3-chloropropane [2C]	148343.5	73.15266	8.690889	2.265177E-02	0.997792		0.995	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	011F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2A03112	Injection Date:	01/27/12
Lab Sample ID:	2A03112-ICV1	Injection Time:	17:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4983	108358.4	44292		-0.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5321	39065.98	33180		6.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03413	Injection Date:	01/31/12
Lab Sample ID:	2B03413-CCV1	Injection Time:	10:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5204	108358.4	45624		4.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5159	39065.98	32224		3.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	016F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03413	Injection Date:	01/31/12
Lab Sample ID:	2B03413-CCV2	Injection Time:	16:39

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4729	108358.4	42748		-5.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5114	39065.98	31960		2.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	022F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03413	Injection Date:	01/31/12
Lab Sample ID:	2B03413-CCV3	Injection Time:	18:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4564	108358.4	41734		-8.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5115	39065.98	31962		2.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03708	Injection Date:	02/02/12
Lab Sample ID:	2B03708-CCV1	Injection Time:	12:20

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4518	108358.4	41456		-9.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.4939	39065.98	30920		-1.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	013F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03708	Injection Date:	02/02/12
Lab Sample ID:	2B03708-CCV2	Injection Time:	16:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4342	108358.4	40364		-13.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5038	39065.98	31510		0.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03811	Injection Date:	02/06/12
Lab Sample ID:	2B03811-CCV1	Injection Time:	10:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4544	108358.4	41612		-9.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5111	39065.98	31938		2.2	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_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	015F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03811	Injection Date:	02/06/12
Lab Sample ID:	2B03811-CCV2	Injection Time:	15:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4396	108358.4	40696		-12.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5037	39065.98	31500		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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03811	Injection Date:	02/07/12
Lab Sample ID:	2B03811-CCV3	Injection Time:	12:38

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4647	108358.4	42246		-7.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5391	39065.98	33598		7.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	004F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B03811	Injection Date:	02/07/12
Lab Sample ID:	2B03811-CCV4	Injection Time:	13:21

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4587	108358.4	41880		-8.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5462	39065.98	34016		9.2	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_042

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
GW0411	01/27/12 13:01	01/28/12 08:25	01/31/12 07:15	N/A	14.00	01/31/12 16:18	4.10	14.00	
GW0465	01/26/12 15:59	01/28/12 08:25	01/31/12 07:15	N/A	14.00	01/31/12 17:00	5.00	14.00	
GW0473	01/26/12 16:25	01/28/12 08:25	01/31/12 07:15	N/A	14.00	01/31/12 17:21	5.00	14.00	
GW0474	01/26/12 16:25	01/28/12 08:25	01/31/12 07:15	N/A	14.00	01/31/12 17:43	5.01	14.00	
GW0494	01/27/12 13:31	01/28/12 08:25	01/31/12 07:15	N/A	14.00	01/31/12 18:04	4.15	14.00	
GW0495	01/27/12 10:56	01/28/12 08:25	01/31/12 07:15	N/A	14.00	01/31/12 18:25	4.27	14.00	
GW0409	01/30/12 16:36	02/01/12 08:20	02/02/12 09:39	N/A	14.00	02/02/12 13:25	2.87	14.00	
GW0422	01/31/12 12:25	02/01/12 08:20	02/02/12 09:39	N/A	14.00	02/02/12 14:30	2.09	14.00	
GW0423	01/31/12 10:25	02/01/12 08:20	02/02/12 09:39	N/A	14.00	02/02/12 14:52	2.19	14.00	
GW0424	01/30/12 11:22	02/01/12 08:20	02/02/12 09:39	N/A	14.00	02/02/12 15:14	3.16	14.00	
GW0436	01/31/12 11:56	02/01/12 08:20	02/02/12 09:39	N/A	14.00	02/02/12 15:35	2.15	14.00	
GW0437	01/30/12 12:51	02/01/12 08:20	02/02/12 09:39	N/A	14.00	02/02/12 15:56	3.13	14.00	
GW0382	02/01/12 13:47	02/02/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 12:11	4.89	14.00	
GW0395	01/31/12 15:15	02/02/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 12:32	5.85	14.00	
GW0435	01/31/12 15:13	02/02/12 08:30	02/06/12 07:51	N/A	14.00	02/07/12 12:59	6.87	14.00	
GW0497	02/01/12 11:05	02/02/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 13:15	5.05	14.00	
GW0400	02/02/12 12:27	02/03/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 13:37	4.01	14.00	
GW0401	02/02/12 12:27	02/03/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 13:58	4.02	14.00	
GW0420	02/02/12 11:55	02/03/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 14:20	4.06	14.00	
GW0421	02/02/12 11:55	02/03/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 14:41	4.07	14.00	
GW0496	02/01/12 15:25	02/03/12 08:30	02/06/12 07:51	N/A	14.00	02/06/12 15:03	4.94	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30024-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	01/31/12 11:22
Solids:		Preparation:	EDB	Dilution:	

Batch:	2A30024	Sequence:	2B03413	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5121	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30024-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	01/31/12 11:22
Solids:		Preparation:	EDB	Dilution:	

Batch:	2A30024	Sequence:	2B03413	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5311	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30024-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	01/31/12 11:44
Solids:		Preparation:	EDB	Dilution:	

Batch:	2A30024	Sequence:	2B03413	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5104	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2A30024-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	01/31/12 11:44
Solids:		Preparation:	EDB	Dilution:	

Batch:	2A30024	Sequence:	2B03413	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5324	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B02006-BS1
File ID: 004F0101.D
Sampled:
Prepared:
Analyzed: 02/02/12 13:03
Solids:
Preparation: EDB
Dilution:
Batch: 2B02006
Sequence: 2B03708
Calibration: 2031002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4813	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02006-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/02/12 13:03
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B02006	Sequence:	2B03708	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5607	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02006-MS1	File ID:	006F0101.D
Sampled:		Prepared:		Analyzed:	02/02/12 13:47
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B02006	Sequence:	2B03708	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4044	0.00933	0.0187	0.0280	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02006-MS1	File ID:	006R0101.D
Sampled:		Prepared:		Analyzed:	02/02/12 13:47
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B02006	Sequence:	2B03708	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4636	0.00933	0.0187	0.0280	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02006-MSD1	File ID:	007F0101.D
Sampled:		Prepared:		Analyzed:	02/02/12 14:09
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B02006	Sequence:	2B03708	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4525	0.00940	0.0188	0.0282	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B02006-MSD1	File ID:	007R0101.D
Sampled:		Prepared:		Analyzed:	02/02/12 14:09
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B02006	Sequence:	2B03708	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5144	0.00940	0.0188	0.0282	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06006-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	02/06/12 11:29
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B06006	Sequence:	2B03811	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4889	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06006-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/06/12 11:29
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B06006	Sequence:	2B03811	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5716	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_042
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B06006-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	02/06/12 11:49
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B06006 Sequence: 2B03811 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4784	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06006-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	02/06/12 11:49
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B06006	Sequence:	2B03811	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5456	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0465

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1201196-03

Date(s) Analyzed: 01/31/2012 01/31/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.449	
	2	2.28	2.25	2.31	0.558	22

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0473

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1201196-05

Date(s) Analyzed: 01/31/2012 01/31/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.363	
	2	2.28	2.25	2.31	0.432	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0474

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1201196-07

Date(s) Analyzed: 01/31/2012 01/31/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.369	
	2	2.28	2.25	2.31	0.434	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2A30024-BS1

Date(s) Analyzed: 01/31/2012 01/31/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.5121	
	2	2.27	2.25	2.31	0.5311	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2A30024-BSD1 Date(s) Analyzed: 01/31/2012 01/31/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.40	2.38	2.44	0.5104	
	2	2.27	2.25	2.31	0.5324	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0436

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202006-09 Date(s) Analyzed: 02/02/2012 02/02/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.178	
	2	2.28	2.25	2.31	0.214	18

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0437

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202006-11

Date(s) Analyzed: 02/02/2012 02/02/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.489	
	2	2.28	2.25	2.31	0.564	14

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B02006-BS1 Date(s) Analyzed: 02/02/2012 02/02/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.4813	
	2	2.27	2.25	2.31	0.5607	15

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B02006-MS1

Date(s) Analyzed: 02/02/2012 02/02/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.4044	
	2	2.27	2.25	2.31	0.4636	14

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B02006-MSD1 Date(s) Analyzed: 02/02/2012 02/02/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.4525	
	2	2.28	2.25	2.31	0.5144	13

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0382

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202022-01

Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.802	
	2	2.29	2.25	2.31	0.888	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0435

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202022-05RE1

Date(s) Analyzed: 02/07/2012 02/07/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	1.95	
	2	2.28	2.25	2.31	2.28	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0497

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202022-07 Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.186	
	2	2.29	2.25	2.31	0.230	21

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0400

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202028-01 Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0740	
	2	2.29	2.25	2.31	0.0956	26

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0401

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202028-03 Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0797	
	2	2.29	2.25	2.31	0.103	26

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0496

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202028-09

Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0585	
	2	2.28	2.25	2.31	0.0691	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B06006-BS1 Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.4889	
	2	2.29	2.25	2.31	0.5716	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B06006-BSD1

Date(s) Analyzed: 02/06/2012 02/06/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.4784	
	2	2.29	2.25	2.31	0.5456	13

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01
Sampled:	01/27/12 13:01	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	81400	1000	2000	5000	1		SW6010B	2B08008	02/09/12 12:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B08008	02/09/12 12:37
7439-95-4	Magnesium	11000	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:37
7440-09-7	Potassium	3210	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:37
7440-23-5	Sodium	31900	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:37

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-02
Sampled:	01/27/12 13:01	Received:	01/28/12 08:25
% 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	X U	SW6010B	2B14017	02/14/12 16:48
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 16:48

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03
Sampled:	01/26/12 15:59	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	55400	1000	2000	5000	1		SW6010B	2B08008	02/09/12 12:42
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B08008	02/09/12 12:42
7439-95-4	Magnesium	7500	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:42
7440-09-7	Potassium	2670	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:42
7440-23-5	Sodium	30000	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:42

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-04
Sampled:	01/26/12 15:59	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	482	30.0	60.0	100	1		SW6010B	2B14017	02/16/12 10:44
7439-96-5	Manganese (dissolved)	1060	3.00	6.00	15.0	1		SW6010B	2B14017	02/14/12 16:52

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05
Sampled:	01/26/12 16:25	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39400	1000	2000	5000	1		SW6010B	2B08008	02/09/12 12:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B08008	02/09/12 12:46
7439-95-4	Magnesium	5060	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:46
7440-09-7	Potassium	2210	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:46
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:46

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-06
Sampled:	01/26/12 16:25	Received:	01/28/12 08:25
% 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	X U	SW6010B	2B14017	02/14/12 16:57
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 16:57

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07
Sampled:	01/26/12 16:25	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	40800	1000	2000	5000	1		SW6010B	2B08008	02/09/12 12:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B08008	02/09/12 12:51
7439-95-4	Magnesium	5310	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:51
7440-09-7	Potassium	2340	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:51
7440-23-5	Sodium	26300	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:51

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-08
Sampled:	01/26/12 16:25	Received:	01/28/12 08:25
% 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	X U	SW6010B	2B14017	02/14/12 17:01
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:01

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09
Sampled:	01/27/12 13:31	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34800	1000	2000	5000	1		SW6010B	2B08008	02/09/12 12:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B08008	02/09/12 12:55
7439-95-4	Magnesium	4500	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:55
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:55
7440-23-5	Sodium	28100	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:55

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-10
Sampled:	01/27/12 13:31	Received:	01/28/12 08:25
% 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	X U	SW6010B	2B14017	02/14/12 17:06
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:06

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11
Sampled:	01/27/12 10:56	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34100	1000	2000	5000	1		SW6010B	2B08008	02/09/12 12:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B08008	02/09/12 12:59
7439-95-4	Magnesium	4460	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:59
7440-09-7	Potassium	2120	1000	3000	5000	1	J	SW6010B	2B08008	02/09/12 12:59
7440-23-5	Sodium	26500	1000	3000	5000	1		SW6010B	2B08008	02/09/12 12:59

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-12
Sampled:	01/27/12 10:56	Received:	01/28/12 08:25
% 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	X U	SW6010B	2B14017	02/14/12 17:10
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:10

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01
Sampled:	01/30/12 16:36	Received:	02/01/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49000	1000	2000	5000	1		SW6010B	2B14019	02/16/12 11:24
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14019	02/16/12 11:24
7439-95-4	Magnesium	6970	1000	3000	5000	1		SW6010B	2B14019	02/16/12 11:24
7440-09-7	Potassium	2460	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 11:24
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	2B14019	02/16/12 11:24

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-02
Sampled:	01/30/12 16:36	Received:	02/01/12 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	X U	SW6010B	2B14017	02/14/12 17:14
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:14

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03
Sampled:	01/31/12 12:25	Received:	02/01/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39500	1000	2000	5000	1		SW6010B	2B14019	02/16/12 11:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14019	02/16/12 11:46
7439-95-4	Magnesium	5730	1000	3000	5000	1		SW6010B	2B14019	02/16/12 11:46
7440-09-7	Potassium	2200	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 11:46
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	2B14019	02/16/12 11:46

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-04
Sampled:	01/31/12 12:25	Received:	02/01/12 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	X U	SW6010B	2B14017	02/14/12 17:33
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:33

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05
Sampled:	01/31/12 10:25	Received:	02/01/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33900	1000	2000	5000	1		SW6010B	2B14019	02/16/12 11:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14019	02/16/12 11:51
7439-95-4	Magnesium	4770	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 11:51
7440-09-7	Potassium	2060	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 11:51
7440-23-5	Sodium	21100	1000	3000	5000	1		SW6010B	2B14019	02/16/12 11:51

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-06
Sampled:	01/31/12 10:25	Received:	02/01/12 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	X U	SW6010B	2B14017	02/14/12 17:37
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:37

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07
Sampled:	01/30/12 11:22	Received:	02/01/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33300	1000	2000	5000	1		SW6010B	2B14019	02/16/12 11:55
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2B14019	02/16/12 11:55
7439-95-4	Magnesium	4700	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 11:55
7440-09-7	Potassium	2010	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 11:55
7440-23-5	Sodium	21000	1000	3000	5000	1		SW6010B	2B14019	02/16/12 11:55

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-08
Sampled:	01/30/12 11:22	Received:	02/01/12 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	X U	SW6010B	2B14017	02/14/12 17:42
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:42

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09
Sampled:	01/31/12 11:56	Received:	02/01/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44900	1000	2000	5000	1		SW6010B	2B14019	02/16/12 12:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14019	02/16/12 12:00
7439-95-4	Magnesium	5990	1000	3000	5000	1		SW6010B	2B14019	02/16/12 12:00
7440-09-7	Potassium	2390	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 12:00
7440-23-5	Sodium	24900	1000	3000	5000	1		SW6010B	2B14019	02/16/12 12:00

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-10
Sampled:	01/31/12 11:56	Received:	02/01/12 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	X U	SW6010B	2B14017	02/14/12 17:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 17:59

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11
Sampled:	01/30/12 12:51	Received:	02/01/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38500	1000	2000	5000	1		SW6010B	2B14019	02/16/12 12:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14019	02/16/12 12:04
7439-95-4	Magnesium	5120	1000	3000	5000	1		SW6010B	2B14019	02/16/12 12:04
7440-09-7	Potassium	2220	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 12:04
7440-23-5	Sodium	23800	1000	3000	5000	1		SW6010B	2B14019	02/16/12 12:04

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-12
Sampled:	01/30/12 12:51	Received:	02/01/12 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	X U	SW6010B	2B14017	02/14/12 18:04
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 18:04

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01
Sampled:	02/01/12 13:47	Received:	02/02/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50800	1000	2000	5000	1		SW6010B	2B14019	02/16/12 13:56
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14019	02/16/12 13:56
7439-95-4	Magnesium	7420	1000	3000	5000	1		SW6010B	2B14019	02/16/12 13:56
7440-09-7	Potassium	2520	1000	3000	5000	1	J	SW6010B	2B14019	02/16/12 13:56
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2B14019	02/16/12 13:56

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-02
Sampled:	02/01/12 13:47	Received:	02/02/12 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)	116	30.0	60.0	100	1		SW6010B	2B14017	02/16/12 10:49
7439-96-5	Manganese (dissolved)	185	3.00	6.00	15.0	1		SW6010B	2B14017	02/14/12 18:08

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03
Sampled:	01/31/12 15:15	Received:	02/02/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37600	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:26
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:26
7439-95-4	Magnesium	5410	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:26
7440-09-7	Potassium	2270	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:26
7440-23-5	Sodium	20900	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:26

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-04
Sampled:	01/31/12 15:15	Received:	02/02/12 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	X U	SW6010B	2B14017	02/14/12 18:13
7439-96-5	Manganese (dissolved)	13.9	3.00	6.00	15.0	1	J	SW6010B	2B14017	02/14/12 18:13

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05
Sampled:	01/31/12 15:13	Received:	02/02/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43000	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:30
7439-95-4	Magnesium	5770	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:30
7440-09-7	Potassium	2290	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:30
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:30

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-06
Sampled:	01/31/12 15:13	Received:	02/02/12 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	X U	SW6010B	2B14017	02/14/12 18:17
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 18:17

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07
Sampled:	02/01/12 11:05	Received:	02/02/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45800	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:35
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:35
7439-95-4	Magnesium	5960	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:35
7440-09-7	Potassium	2600	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:35
7440-23-5	Sodium	24100	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:35

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-08
Sampled:	02/01/12 11:05	Received:	02/02/12 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	X U	SW6010B	2B14017	02/14/12 18:22
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 18:22

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01
Sampled:	02/02/12 12:27	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	82500	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:39
7439-95-4	Magnesium	11300	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:39
7440-09-7	Potassium	3440	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:39
7440-23-5	Sodium	34000	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:39

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-02
Sampled:	02/02/12 12:27	Received:	02/03/12 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)	46.1	30.0	60.0	100	1	X J	SW6010B	2B14017	02/14/12 18:26
7439-96-5	Manganese (dissolved)	255	3.00	6.00	15.0	1		SW6010B	2B14017	02/14/12 18:26

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03
Sampled:	02/02/12 12:27	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	82100	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:44
7439-95-4	Magnesium	11100	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:44
7440-09-7	Potassium	3320	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:44
7440-23-5	Sodium	32600	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:44

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-04
Sampled:	02/02/12 12:27	Received:	02/03/12 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)	38.4	30.0	60.0	100	1	X J	SW6010B	2B14017	02/14/12 18:30
7439-96-5	Manganese (dissolved)	217	3.00	6.00	15.0	1		SW6010B	2B14017	02/14/12 18:30

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05
Sampled:	02/02/12 11:55	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46400	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:48
7439-95-4	Magnesium	6000	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:48
7440-09-7	Potassium	2520	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:48
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:48

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-06
Sampled:	02/02/12 11:55	Received:	02/03/12 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	X U	SW6010B	2B14017	02/14/12 18:35
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 18:35

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07
Sampled:	02/02/12 11:55	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45800	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:53
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:53
7439-95-4	Magnesium	6020	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:53
7440-09-7	Potassium	2570	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:53
7440-23-5	Sodium	24800	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:53

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-08
Sampled:	02/02/12 11:55	Received:	02/03/12 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	X U	SW6010B	2B14017	02/14/12 18:39
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B14017	02/14/12 18:39

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09
Sampled:	02/01/12 15:25	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42200	1000	2000	5000	1		SW6010B	2B14022	02/16/12 14:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B14022	02/16/12 14:57
7439-95-4	Magnesium	5640	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:57
7440-09-7	Potassium	2450	1000	3000	5000	1	J	SW6010B	2B14022	02/16/12 14:57
7440-23-5	Sodium	23500	1000	3000	5000	1		SW6010B	2B14022	02/16/12 14:57

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-10
Sampled:	02/01/12 15:25	Received:	02/03/12 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	X U	SW6010B	2B17014	02/20/12 18:04
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 18:04

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 2041001
Sequence: 2B04102

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04102-ICV1	Calcium	50000	52880	106	ug/L	+/- 10.00%
	Lead	1000	971.8	97.2	ug/L	+/- 10.00%
	Magnesium	50000	51980	104	ug/L	+/- 10.00%
	Potassium	10000	9316	93.2	ug/L	+/- 10.00%
	Sodium	50000	50900	102	ug/L	+/- 10.00%
2B04102-CCV1	Calcium	50000	50650	101	ug/L	+/- 10.00%
	Lead	1000	965.4	96.5	ug/L	+/- 10.00%
	Magnesium	50000	50890	102	ug/L	+/- 10.00%
	Potassium	10000	9901	99.0	ug/L	+/- 10.00%
	Sodium	50000	50920	102	ug/L	+/- 10.00%
2B04102-CCV2	Calcium	50000	51500	103	ug/L	+/- 10.00%
	Lead	1000	975.5	97.6	ug/L	+/- 10.00%
	Magnesium	50000	51310	103	ug/L	+/- 10.00%
	Potassium	10000	9923	99.2	ug/L	+/- 10.00%
	Sodium	50000	50720	101	ug/L	+/- 10.00%
2B04102-CCV3	Calcium	50000	51140	102	ug/L	+/- 10.00%
	Lead	1000	982.5	98.2	ug/L	+/- 10.00%
	Magnesium	50000	49840	99.7	ug/L	+/- 10.00%
	Potassium	10000	9894	98.9	ug/L	+/- 10.00%
	Sodium	50000	51200	102	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 2046003
Sequence: 2B04601

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04601-ICV1	Iron (dissolved)	10000	10710	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1018	102	ug/L	+/- 10.00%
2B04601-CCV1	Iron (dissolved)	10000	10920	109	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1030	103	ug/L	+/- 10.00%
2B04601-CCV6	Iron (dissolved)	10000	10780	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1045	105	ug/L	+/- 10.00%
2B04601-CCV7	**Iron (dissolved)**	**10000**	**11430**	**114**	**ug/L**	+/- 10.00%
	Manganese (dissolved)	1000	1068	107	ug/L	+/- 10.00%
2B04601-CCV8	**Iron (dissolved)**	**10000**	**11070**	**111**	**ug/L**	+/- 10.00%
	Manganese (dissolved)	1000	1065	106	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_042
Project: Kirtland AFB 2011
Calibration: 2047003
Sequence: 2B04710

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04710-ICV1	Calcium	50000	51990	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10640	106	ug/L	+/- 10.00%
	Lead	1000	958.3	95.8	ug/L	+/- 10.00%
	Magnesium	50000	50330	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1037	104	ug/L	+/- 10.00%
	Potassium	10000	9191	91.9	ug/L	+/- 10.00%
	Sodium	50000	50150	100	ug/L	+/- 10.00%
2B04710-CCV1	Calcium	50000	51950	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10500	105	ug/L	+/- 10.00%
	Lead	1000	969.9	97.0	ug/L	+/- 10.00%
	Magnesium	50000	50340	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1018	102	ug/L	+/- 10.00%
	Potassium	10000	9948	99.5	ug/L	+/- 10.00%
	Sodium	50000	50340	101	ug/L	+/- 10.00%
2B04710-CCV2	Calcium	50000	50200	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10330	103	ug/L	+/- 10.00%
	Lead	1000	977.5	97.8	ug/L	+/- 10.00%
	Magnesium	50000	49710	99.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1023	102	ug/L	+/- 10.00%
	Potassium	10000	9856	98.6	ug/L	+/- 10.00%
	Sodium	50000	50750	102	ug/L	+/- 10.00%
2B04710-CCV3	Calcium	50000	51560	103	ug/L	+/- 10.00%
	Lead	1000	993.5	99.4	ug/L	+/- 10.00%
	Magnesium	50000	50330	101	ug/L	+/- 10.00%
	Potassium	10000	9954	99.5	ug/L	+/- 10.00%
	Sodium	50000	51030	102	ug/L	+/- 10.00%
2B04710-CCV4	Calcium	50000	50820	102	ug/L	+/- 10.00%
	Lead	1000	971.9	97.2	ug/L	+/- 10.00%
	Magnesium	50000	49970	99.9	ug/L	+/- 10.00%
	Potassium	10000	9943	99.4	ug/L	+/- 10.00%
	Sodium	50000	50650	101	ug/L	+/- 10.00%
2B04710-CCV5	Calcium	50000	51940	104	ug/L	+/- 10.00%
	Lead	1000	980.2	98.0	ug/L	+/- 10.00%
	Magnesium	50000	50390	101	ug/L	+/- 10.00%
	Potassium	10000	9984	99.8	ug/L	+/- 10.00%
	Sodium	50000	50490	101	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 2052001
Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05201-ICV1	Iron (dissolved)	10000	10790	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	105	ug/L	+/- 10.00%
2B05201-CCV1	**Iron (dissolved)**	**10000**	**11080**	**111**	**ug/L**	+/- 10.00%
	Manganese (dissolved)	1000	1032	103	ug/L	+/- 10.00%
2B05201-CCV7	Iron (dissolved)	10000	9878	98.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1043	104	ug/L	+/- 10.00%
2B05201-CCV8	Iron (dissolved)	10000	9973	99.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1044	104	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2041001

Sequence: 2B04102

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B04102-CRL1	Calcium	2000	2124	106	ug/L	80 - 120
	Lead	3.000	2.404	80.1	ug/L	80 - 120
	Magnesium	3000	3184	106	ug/L	80 - 120
	Potassium	3000	2994	99.8	ug/L	80 - 120
	Sodium	3000	3054	102	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2046003

Sequence: 2B04601

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B04601-CRL1	Iron (dissolved)	60.00	71.36	119	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.512	109	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2047003

Sequence: 2B04710

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B04710-CRL1	Calcium	2000	2155	108	ug/L	80 - 120
	Iron (dissolved)	60.00	62.57	104	ug/L	80 - 120
	Magnesium	3000	3117	104	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.460	108	ug/L	80 - 120
	Potassium	3000	2954	98.5	ug/L	80 - 120
	Sodium	3000	2992	99.7	ug/L	80 - 120
2B04710-CRL2	Lead	3.000	3.106	104	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2052001

Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B05201-CRL1	Iron (dissolved)	60.00	69.36	116	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.189	103	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B04102
Calibration: 2041001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04102-ICB1	Calcium	1.710	1000	5000	ug/L	U	SW6010B
	Lead	-0.3653	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-8.790	1000	5000	ug/L	U	SW6010B
	Potassium	4.980	1000	5000	ug/L	U	SW6010B
	Sodium	-7.530	1000	5000	ug/L	U	SW6010B
2B04102-CCB1	Calcium	5.82	1000	5000	ug/L	U	SW6010B
	Lead	-0.337	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.65	1000	5000	ug/L	U	SW6010B
	Potassium	22.6	1000	5000	ug/L	U	SW6010B
	Sodium	-5.89	1000	5000	ug/L	U	SW6010B
2B04102-CCB2	Calcium	30.0	1000	5000	ug/L	U	SW6010B
	Lead	0.0725	1.50	3.00	ug/L	U	SW6010B
	Magnesium	15.0	1000	5000	ug/L	U	SW6010B
	Potassium	0.360	1000	5000	ug/L	U	SW6010B
	Sodium	39.3	1000	5000	ug/L	U	SW6010B
2B08008-BLK1	Calcium	24.3	1000	5000	ug/L	U	SW6010B
	Lead	0.558	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.04	1000	5000	ug/L	U	SW6010B
	Potassium	-15.6	1000	5000	ug/L	U	SW6010B
	Sodium	48.7	1000	5000	ug/L	U	SW6010B
2B04102-CCB3	Calcium	4.99	1000	5000	ug/L	U	SW6010B
	Lead	-0.165	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-7.82	1000	5000	ug/L	U	SW6010B
	Potassium	-12.6	1000	5000	ug/L	U	SW6010B
	Sodium	59.0	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B04601
Calibration: 2046003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04601-ICB1	Iron (dissolved)	1.788	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.02198	3.00	15.0	ug/L	U	SW6010B
2B04601-CCB1	Iron (dissolved)	-0.608	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.145	3.00	15.0	ug/L	U	SW6010B
2B04601-CCB6	Iron (dissolved)	-0.800	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.183	3.00	15.0	ug/L	U	SW6010B
2B14017-BLK1	Iron (dissolved)	-0.482	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0734	3.00	15.0	ug/L	U	SW6010B
2B04601-CCB7	Iron (dissolved)	-1.19	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.131	3.00	15.0	ug/L	U	SW6010B
2B04601-CCB8	Iron (dissolved)	-0.612	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.126	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B04710
Calibration: 2047003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04710-ICB1	Calcium	3.610	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-2.484	30.0	100	ug/L	U	SW6010B
	Lead	-0.6873	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.6400	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.08790	3.00	15.0	ug/L	U	SW6010B
	Potassium	6.840	1000	5000	ug/L	U	SW6010B
	Sodium	8.050	1000	5000	ug/L	U	SW6010B
2B04710-CCB1	Calcium	7.42	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.884	30.0	100	ug/L	U	SW6010B
	Lead	-0.434	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.28	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0807	3.00	15.0	ug/L	U	SW6010B
	Potassium	-11.6	1000	5000	ug/L	U	SW6010B
	Sodium	14.6	1000	5000	ug/L	U	SW6010B
2B04710-CCB2	Calcium	8.67	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-2.38	30.0	100	ug/L	U	SW6010B
	Lead	-0.635	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.03	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.229	3.00	15.0	ug/L	U	SW6010B
	Potassium	-13.6	1000	5000	ug/L	U	SW6010B
	Sodium	17.8	1000	5000	ug/L	U	SW6010B
2B14019-BLK1	Calcium	8.13	1000	5000	ug/L	U	SW6010B
	Lead	-0.183	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.94	1000	5000	ug/L	U	SW6010B
	Potassium	-0.820	1000	5000	ug/L	U	SW6010B
	Sodium	15.2	1000	5000	ug/L	U	SW6010B
2B04710-CCB3	Calcium	2.18	1000	5000	ug/L	U	SW6010B
	Lead	0.0892	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.70	1000	5000	ug/L	U	SW6010B
	Potassium	-6.52	1000	5000	ug/L	U	SW6010B
	Sodium	19.9	1000	5000	ug/L	U	SW6010B
2B04710-CCB4	Calcium	5.76	1000	5000	ug/L	U	SW6010B
	Lead	-0.0774	1.50	3.00	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B04710
Calibration: 2047003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04710-CCB4	Magnesium	6.05	1000	5000	ug/L	U	SW6010B
	Potassium	-2.98	1000	5000	ug/L	U	SW6010B
	Sodium	12.5	1000	5000	ug/L	U	SW6010B
2B14022-BLK1	Calcium	7.86	1000	5000	ug/L	U	SW6010B
	Lead	-0.389	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.340	1000	5000	ug/L	U	SW6010B
	Potassium	12.3	1000	5000	ug/L	U	SW6010B
	Sodium	10.6	1000	5000	ug/L	U	SW6010B
2B04710-CCB5	Calcium	-0.230	1000	5000	ug/L	U	SW6010B
	Lead	-0.718	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.70	1000	5000	ug/L	U	SW6010B
	Potassium	6.57	1000	5000	ug/L	U	SW6010B
	Sodium	12.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B05201
Calibration: 2052001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05201-ICB1	Iron (dissolved)	5.078	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.01363	3.00	15.0	ug/L	U	SW6010B
2B05201-CCB1	Iron (dissolved)	3.06	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.143	3.00	15.0	ug/L	U	SW6010B
2B05201-CCB7	Iron (dissolved)	-0.860	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.265	3.00	15.0	ug/L	U	SW6010B
2B17014-BLK1	Iron (dissolved)	-1.25	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0938	3.00	15.0	ug/L	U	SW6010B
2B05201-CCB8	Iron (dissolved)	2.23	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0918	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2041001
Sequence: 2B04102

Lab Sample ID	Analyte	True	Found	%R	Units
2B04102-IFA1	Calcium	500000	506,280.00	101	ug/L
	Lead		-1.87		ug/L
	Magnesium	500000	509,480.00	102	ug/L
	Potassium		-33.73		ug/L
	Sodium		44.63		ug/L
2B04102-IFB1	Calcium	500000	494,460.00	98.9	ug/L
	Lead	50.00	45.72	91.4	ug/L
	Magnesium	500000	507,560.00	102	ug/L
	Potassium		-22.27		ug/L
	Sodium		66.95		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2046003
Sequence: 2B04601

Lab Sample ID	Analyte	True	Found	%R	Units
2B04601-IFA1	Iron (dissolved)	200000	210,450.00	105	ug/L
	Manganese (dissolved)		-4.04		ug/L
2B04601-IFB1	Iron (dissolved)	200000	218,040.00	109	ug/L
	Manganese (dissolved)	500.0	500.69	100	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2047003
Sequence: 2B04710

Lab Sample ID	Analyte	True	Found	%R	Units
2B04710-IFA1	Calcium	500000	503,920.00	101	ug/L
	Iron (dissolved)	200000	208,320.00	104	ug/L
	Lead		1.42		ug/L
	Magnesium	500000	494,310.00	98.9	ug/L
	Manganese (dissolved)		-3.94		ug/L
	Potassium		-17.22		ug/L
	Sodium		54.59		ug/L
2B04710-IFB1	Calcium	500000	488,260.00	97.7	ug/L
	Iron (dissolved)	200000	207,980.00	104	ug/L
	Lead	50.00	46.98	94.0	ug/L
	Magnesium	500000	489,190.00	97.8	ug/L
	Manganese (dissolved)	500.0	473.05	94.6	ug/L
	Potassium		-10.39		ug/L
	Sodium		59.92		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2052001

Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units
2B05201-IFA1	Iron (dissolved)	200000	218,990.00	109	ug/L
	Manganese (dissolved)		-4.43		ug/L
2B05201-IFB1	Iron (dissolved)	200000	218,390.00	109	ug/L
	Manganese (dissolved)	500.0	491.29	98.3	ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B14017

% Solids:

Source Sample Name: **1202006-02**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1161	116		80 - 120
Manganese (dissolved)	500.0	ND	515.0	103		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1158	116	0.311		20	80 - 120
Manganese (dissolved)	500.0	519.0	104	0.768		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B14019

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	49010	52820	76.1	4x	80 - 120
Lead	250.0	ND	238.4	95.3		80 - 120
Magnesium	5000	6972	11860	97.7		80 - 120
Potassium	5000	2461	7254	95.8		80 - 120
Sodium	5000	22630	27720	102		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	53430	88.4	1.16		20	80 - 120
Lead	250.0	243.2	97.3	2.00		20	80 - 120
Magnesium	5000	12050	102	1.61		20	80 - 120
Potassium	5000	7396	98.7	1.94		20	80 - 120
Sodium	5000	28300	113	2.09		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0409

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2B14019-PS1
Batch: 2B14019
Lab Source ID: 1202006-01
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	54520	49010	5000	110	80 - 120
Lead	246.7	ND	250.0	99.0	80 - 120
Magnesium	12070	6972	5000	102	80 - 120
Potassium	7407	2461	5000	98.9	80 - 120
Sodium	27340	22630	5000	94.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B08008	Laboratory ID:	2B08008-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	4915	98.3	80 - 120
Lead	250.0	266.1	106	80 - 120
Magnesium	5000	4650	93.0	80 - 120
Potassium	5000	4786	95.7	80 - 120
Sodium	5000	5372	107	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14017	Laboratory ID:	2B14017-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	1203	120	80 - 120
Manganese (dissolved)	500.0	561.4	112	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14019	Laboratory ID:	2B14019-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	5209	104	80 - 120
Lead	250.0	249.1	99.6	80 - 120
Magnesium	5000	5094	102	80 - 120
Potassium	5000	4881	97.6	80 - 120
Sodium	5000	5081	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14022	Laboratory ID:	2B14022-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	5470	109	80 - 120
Lead	250.0	251.7	101	80 - 120
Magnesium	5000	5251	105	80 - 120
Potassium	5000	5025	100	80 - 120
Sodium	5000	5136	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17014	Laboratory ID:	2B17014-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron (dissolved)	1000	1066	107	80 - 120
Manganese (dissolved)	500.0	523.5	105	80 - 120

SERIAL DILUTION

SW6010B

GW0409

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2B04601
Preparation: MET_3005A

SDG: Kirtland_042
Project: Kirtland AFB 2011
Laboratory ID: 2B14017-DUP1
Lab Source ID: 1202006-02
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0409

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2B04710
Preparation: MET_3005A

SDG: Kirtland_042
Project: Kirtland AFB 2011
Laboratory ID: 2B14019-DUP1
Lab Source ID: 1202006-01
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	49012	47155	-3.79		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	6971.9	7002.5	0.439		SW6010B	10.00
Potassium	2461.4	ND			SW6010B	10.00
Sodium	22631	22786	0.687		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_042

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_042

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_042

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_042

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_042

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_042

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_042

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B08008 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	02/08/12 08:55	50.00	50.00
GW0465	1201196-03	02/08/12 08:55	50.00	50.00
GW0473	1201196-05	02/08/12 08:55	50.00	50.00
GW0474	1201196-07	02/08/12 08:55	50.00	50.00
GW0494	1201196-09	02/08/12 08:55	50.00	50.00
GW0495	1201196-11	02/08/12 08:55	50.00	50.00
Blank	2B08008-BLK1	02/08/12 08:55	50.00	50.00
LCS	2B08008-BS1	02/08/12 08:55	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B14017 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-02	02/14/12 09:42	50.00	50.00
GW0465	1201196-04	02/14/12 09:42	50.00	50.00
GW0465	1201196-04RE1	02/14/12 09:42	50.00	50.00
GW0473	1201196-06	02/14/12 09:42	50.00	50.00
GW0474	1201196-08	02/14/12 09:42	50.00	50.00
GW0494	1201196-10	02/14/12 09:42	50.00	50.00
GW0495	1201196-12	02/14/12 09:42	50.00	50.00
GW0409	1202006-02	02/14/12 09:42	50.00	50.00
GW0422	1202006-04	02/14/12 09:42	50.00	50.00
GW0423	1202006-06	02/14/12 09:42	50.00	50.00
GW0424	1202006-08	02/14/12 09:42	50.00	50.00
GW0436	1202006-10	02/14/12 09:42	50.00	50.00
GW0437	1202006-12	02/14/12 09:42	50.00	50.00
GW0382	1202022-02	02/14/12 09:42	50.00	50.00
GW0382	1202022-02RE1	02/14/12 09:42	50.00	50.00
GW0395	1202022-04	02/14/12 09:42	50.00	50.00
GW0435	1202022-06	02/14/12 09:42	50.00	50.00
GW0497	1202022-08	02/14/12 09:42	50.00	50.00
GW0400	1202028-02	02/14/12 09:42	50.00	50.00
GW0401	1202028-04	02/14/12 09:42	50.00	50.00
GW0420	1202028-06	02/14/12 09:42	50.00	50.00
GW0421	1202028-08	02/14/12 09:42	50.00	50.00
Blank	2B14017-BLK1	02/14/12 09:42	50.00	50.00
LCS	2B14017-BS1	02/14/12 09:42	50.00	50.00
GW0409	2B14017-DUP1	02/14/12 09:42	50.00	50.00
GW0409	2B14017-MS1	02/14/12 09:42	50.00	50.00
GW0409	2B14017-MSD1	02/14/12 09:42	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B14019 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/14/12 09:50	50.00	50.00
GW0422	1202006-03	02/14/12 09:50	50.00	50.00
GW0423	1202006-05	02/14/12 09:50	50.00	50.00
GW0424	1202006-07	02/14/12 09:50	50.00	50.00
GW0436	1202006-09	02/14/12 09:50	50.00	50.00
GW0437	1202006-11	02/14/12 09:50	50.00	50.00
GW0382	1202022-01	02/14/12 09:50	50.00	50.00
Blank	2B14019-BLK1	02/14/12 09:50	50.00	50.00
LCS	2B14019-BS1	02/14/12 09:50	50.00	50.00
GW0409	2B14019-DUP1	02/14/12 09:50	50.00	50.00
GW0409	2B14019-MS1	02/14/12 09:50	50.00	50.00
GW0409	2B14019-MSD1	02/14/12 09:50	50.00	50.00
GW0409	2B14019-PS1	02/14/12 09:50	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B14022 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0395	1202022-03	02/14/12 10:50	50.00	50.00
GW0435	1202022-05	02/14/12 10:50	50.00	50.00
GW0497	1202022-07	02/14/12 10:50	50.00	50.00
GW0400	1202028-01	02/14/12 10:50	50.00	50.00
GW0401	1202028-03	02/14/12 10:50	50.00	50.00
GW0420	1202028-05	02/14/12 10:50	50.00	50.00
GW0421	1202028-07	02/14/12 10:50	50.00	50.00
GW0496	1202028-09	02/14/12 10:50	50.00	50.00
Blank	2B14022-BLK1	02/14/12 10:50	50.00	50.00
LCS	2B14022-BS1	02/14/12 10:50	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B17014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0496	1202028-10	02/17/12 10:49	50.00	50.00
Blank	2B17014-BLK1	02/17/12 10:49	50.00	50.00
LCS	2B17014-BS1	02/17/12 10:49	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04102	Instrument:	ME-ICP
Calibration:	2041001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04102-CAL1	020912A-001	02/09/12 09:12
Cal Standard	2B04102-CAL2	020912A-002	02/09/12 09:16
Cal Standard	2B04102-CAL3	020912A-003	02/09/12 09:21
Cal Standard	2B04102-CAL5	020912A-005	02/09/12 09:31
Cal Standard	2B04102-CAL6	020912A-006	02/09/12 09:36
Cal Standard	2B04102-CAL7	020912A-007	02/09/12 09:42
Cal Standard	2B04102-CAL8	020912A-008	02/09/12 09:47
Initial Cal Check	2B04102-ICV1	020912B-001	02/09/12 10:20
Initial Cal Blank	2B04102-ICB1	020912B-002	02/09/12 10:27
Instrument RL Check	2B04102-CRL1	020912B-003	02/09/12 10:32
Interference Check A	2B04102-IFA1	020912B-006	02/09/12 10:47
Interference Check B	2B04102-IFB1	020912B-007	02/09/12 10:52
Calibration Check	2B04102-CCV1	020912B-009	02/09/12 11:04
Calibration Blank	2B04102-CCB1	020912B-010	02/09/12 11:11
Calibration Check	2B04102-CCV2	020912B-023	02/09/12 12:15
Calibration Blank	2B04102-CCB2	020912B-024	02/09/12 12:22
Blank	2B08008-BLK1	020912B-025	02/09/12 12:26
LCS	2B08008-BS1	020912B-026	02/09/12 12:31
GW0411	1201196-01	020912B-027	02/09/12 12:37
GW0465	1201196-03	020912B-028	02/09/12 12:42
GW0473	1201196-05	020912B-029	02/09/12 12:46
GW0474	1201196-07	020912B-030	02/09/12 12:51
GW0494	1201196-09	020912B-031	02/09/12 12:55
GW0495	1201196-11	020912B-032	02/09/12 12:59
Calibration Check	2B04102-CCV3	020912B-034	02/09/12 13:09
Calibration Blank	2B04102-CCB3	020912B-035	02/09/12 13:17

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04601	Instrument:	ME-ICP
Calibration:	2046003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04601-CAL1	021412A-001	02/14/12 08:19
Cal Standard	2B04601-CAL2	021412A-002	02/14/12 08:24
Cal Standard	2B04601-CAL3	021412A-003	02/14/12 08:28
Cal Standard	2B04601-CAL4	021412A-004	02/14/12 08:33
Cal Standard	2B04601-CAL5	021412A-005	02/14/12 08:39
Cal Standard	2B04601-CAL6	021412A-006	02/14/12 08:44
Initial Cal Check	2B04601-ICV1	021412B-001	02/14/12 09:26
Initial Cal Blank	2B04601-ICB1	021412B-002	02/14/12 09:33
Instrument RL Check	2B04601-CRL1	021412B-003	02/14/12 09:38
Interference Check A	2B04601-IFA1	021412B-005	02/14/12 09:49
Interference Check B	2B04601-IFB1	021412B-006	02/14/12 09:54
Calibration Check	2B04601-CCV1	021412B-008	02/14/12 10:05
Calibration Blank	2B04601-CCB1	021412B-009	02/14/12 10:12
Calibration Check	2B04601-CCV6	021412D-011	02/14/12 16:25
Calibration Blank	2B04601-CCB6	021412D-012	02/14/12 16:32
Blank	2B14017-BLK1	021412D-013	02/14/12 16:37
LCS	2B14017-BS1	021412D-014	02/14/12 16:41
GW0411	1201196-02	021412D-015	02/14/12 16:48
GW0465	1201196-04	021412D-016	02/14/12 16:52
GW0473	1201196-06	021412D-017	02/14/12 16:57
GW0474	1201196-08	021412D-018	02/14/12 17:01
GW0494	1201196-10	021412D-019	02/14/12 17:06
GW0495	1201196-12	021412D-020	02/14/12 17:10
GW0409	1202006-02	021412D-021	02/14/12 17:14
GW0409	2B14017-MS1	021412D-022	02/14/12 17:19
GW0409	2B14017-MSD1	021412D-023	02/14/12 17:23
GW0409	2B14017-DUP1	021412D-024	02/14/12 17:29
GW0422	1202006-04	021412D-025	02/14/12 17:33
GW0423	1202006-06	021412D-026	02/14/12 17:37
GW0424	1202006-08	021412D-027	02/14/12 17:42
Calibration Check	2B04601-CCV7	021412D-028	02/14/12 17:47
Calibration Blank	2B04601-CCB7	021412D-029	02/14/12 17:55

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04601	Instrument:	ME-ICP
Calibration:	2046003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0436	1202006-10	021412D-030	02/14/12 17:59
GW0437	1202006-12	021412D-031	02/14/12 18:04
GW0382	1202022-02	021412D-032	02/14/12 18:08
GW0395	1202022-04	021412D-033	02/14/12 18:13
GW0435	1202022-06	021412D-034	02/14/12 18:17
GW0497	1202022-08	021412D-035	02/14/12 18:22
GW0400	1202028-02	021412D-036	02/14/12 18:26
GW0401	1202028-04	021412D-037	02/14/12 18:30
GW0420	1202028-06	021412D-038	02/14/12 18:35
GW0421	1202028-08	021412D-039	02/14/12 18:39
Calibration Check	2B04601-CCV8	021412D-041	02/14/12 18:49
Calibration Blank	2B04601-CCB8	021412D-042	02/14/12 18:57

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04710	Instrument:	ME-ICP
Calibration:	2047003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04710-CAL1	021612A-001	02/16/12 08:24
Cal Standard	2B04710-CAL1	021612A-001	02/16/12 08:24
Cal Standard	2B04710-CAL2	021612A-002	02/16/12 08:29
Cal Standard	2B04710-CAL2	021612A-002	02/16/12 08:29
Cal Standard	2B04710-CAL3	021612A-003	02/16/12 08:33
Cal Standard	2B04710-CAL3	021612A-003	02/16/12 08:33
Cal Standard	2B04710-CAL4	021612A-004	02/16/12 08:38
Cal Standard	2B04710-CAL5	021612A-005	02/16/12 08:43
Cal Standard	2B04710-CAL5	021612A-005	02/16/12 08:43
Cal Standard	2B04710-CAL6	021612A-006	02/16/12 08:49
Cal Standard	2B04710-CAL6	021612A-006	02/16/12 08:49
Cal Standard	2B04710-CAL7	021612A-007	02/16/12 08:55
Cal Standard	2B04710-CAL8	021612A-008	02/16/12 09:00
Initial Cal Check	2B04710-ICV1	021612B-001	02/16/12 09:31
Initial Cal Check	2B04710-ICV1	021612B-001	02/16/12 09:31
Initial Cal Blank	2B04710-ICB1	021612B-002	02/16/12 09:39
Initial Cal Blank	2B04710-ICB1	021612B-002	02/16/12 09:39
Instrument RL Check	2B04710-CRL1	021612B-003	02/16/12 09:43
Instrument RL Check	2B04710-CRL1	021612B-003	02/16/12 09:43
Instrument RL Check	2B04710-CRL2	021612B-005	02/16/12 09:54
Interference Check A	2B04710-IFA1	021612B-006	02/16/12 09:58
Interference Check A	2B04710-IFA1	021612B-006	02/16/12 09:58
Interference Check B	2B04710-IFB1	021612B-007	02/16/12 10:04
Interference Check B	2B04710-IFB1	021612B-007	02/16/12 10:04
Calibration Check	2B04710-CCV1	021612B-009	02/16/12 10:15
Calibration Check	2B04710-CCV1	021612B-009	02/16/12 10:15
Calibration Blank	2B04710-CCB1	021612B-010	02/16/12 10:22
Calibration Blank	2B04710-CCB1	021612B-010	02/16/12 10:22
GW0465	1201196-04RE1	021612B-014	02/16/12 10:44
GW0382	1202022-02RE1	021612B-015	02/16/12 10:49
Calibration Check	2B04710-CCV2	021612B-017	02/16/12 11:00
Calibration Check	2B04710-CCV2	021612B-017	02/16/12 11:00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04710	Instrument:	ME-ICP
Calibration:	2047003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2B04710-CCB2	021612B-018	02/16/12 11:08
Calibration Blank	2B04710-CCB2	021612B-018	02/16/12 11:08
Blank	2B14019-BLK1	021612B-019	02/16/12 11:13
LCS	2B14019-BS1	021612B-020	02/16/12 11:17
GW0409	1202006-01	021612B-021	02/16/12 11:24
GW0409	2B14019-MS1	021612B-022	02/16/12 11:28
GW0409	2B14019-MSD1	021612B-023	02/16/12 11:32
GW0409	2B14019-PS1	021612B-024	02/16/12 11:37
GW0409	2B14019-DUP1	021612B-025	02/16/12 11:42
GW0422	1202006-03	021612B-026	02/16/12 11:46
GW0423	1202006-05	021612B-027	02/16/12 11:51
GW0424	1202006-07	021612B-028	02/16/12 11:55
GW0436	1202006-09	021612B-029	02/16/12 12:00
GW0437	1202006-11	021612B-030	02/16/12 12:04
Calibration Check	2B04710-CCV3	021612B-039	02/16/12 12:46
Calibration Blank	2B04710-CCB3	021612B-040	02/16/12 12:53
GW0382	1202022-01	021612B-054	02/16/12 13:56
Calibration Check	2B04710-CCV4	021612B-055	02/16/12 14:01
Calibration Blank	2B04710-CCB4	021612B-056	02/16/12 14:09
Blank	2B14022-BLK1	021612B-057	02/16/12 14:13
LCS	2B14022-BS1	021612C-001	02/16/12 14:19
GW0395	1202022-03	021612C-002	02/16/12 14:26
GW0435	1202022-05	021612C-003	02/16/12 14:30
GW0497	1202022-07	021612C-004	02/16/12 14:35
GW0400	1202028-01	021612C-005	02/16/12 14:39
GW0401	1202028-03	021612C-006	02/16/12 14:44
GW0420	1202028-05	021612C-007	02/16/12 14:48
GW0421	1202028-07	021612C-008	02/16/12 14:53
GW0496	1202028-09	021612C-009	02/16/12 14:57
Calibration Check	2B04710-CCV5	021612C-016	02/16/12 15:30
Calibration Blank	2B04710-CCB5	021612C-017	02/16/12 15:37

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05201	Instrument:	ME-ICP
Calibration:	2052001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05201-CAL1	022012A-001	02/20/12 09:29
Cal Standard	2B05201-CAL2	022012A-002	02/20/12 09:34
Cal Standard	2B05201-CAL3	022012A-003	02/20/12 09:38
Cal Standard	2B05201-CAL4	022012A-004	02/20/12 09:43
Cal Standard	2B05201-CAL5	022012A-005	02/20/12 09:48
Cal Standard	2B05201-CAL6	022012A-006	02/20/12 09:53
Initial Cal Check	2B05201-ICV1	022012B-001	02/20/12 10:30
Initial Cal Blank	2B05201-ICB1	022012B-002	02/20/12 10:37
Instrument RL Check	2B05201-CRL1	022012B-004	02/20/12 10:48
Interference Check A	2B05201-IFA1	022012C-001	02/20/12 11:13
Interference Check B	2B05201-IFB1	022012C-002	02/20/12 11:18
Calibration Check	2B05201-CCV1	022012C-004	02/20/12 11:31
Calibration Blank	2B05201-CCB1	022012C-005	02/20/12 11:38
Calibration Check	2B05201-CCV7	022012C-079	02/20/12 17:41
Calibration Blank	2B05201-CCB7	022012C-080	02/20/12 17:49
Blank	2B17014-BLK1	022012C-081	02/20/12 17:53
LCS	2B17014-BS1	022012C-082	02/20/12 17:58
GW0496	1202028-10	022012C-083	02/20/12 18:04
Calibration Check	2B05201-CCV8	022012C-096	02/20/12 19:04
Calibration Blank	2B05201-CCB8	022012C-097	02/20/12 19:11

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2041001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/9/12 9:12 2/9/12 9:47

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	2.1624E-05	10000	2.1793E-05			500000	2.1312E-05		
Antimony	0	0	100	0.0004632	1000	4.8126E-04					10000	4.6986E-04
Arsenic	0	0	100	0.0003148	1000	3.3731E-04					10000	3.2688E-04
Barium	0	0	50	0.0100634	1000	9.674501E-03	5000	9.861399E-03				
Beryllium	0	0	100	0.0024924	1000	0.0025028					10000	0.0024266
Boron	0	0	50	0.0000148	1000	1.484E-05					5000	1.4794E-05
Cadmium	0	0	100	0.016002	1000	0.016379					10000	0.01547
Calcium	0	0	1100	6.744545E-05	50000	6.5314E-05					10000	
Chromium	0	0	100	0.0000487	1000	4.747E-05					10000	4.7424E-05
Cobalt	0	0	100	0.0042983	1000	0.0042603					10000	0.0042862
Copper	0	0	100	0.0000568	1000	5.272E-05					10000	5.2215E-05
Iron	0	0	5100	2.090392E-05	10000	2.0285E-05			500000	1.90904E-05	10000	
Lead	0	0	100	0.0011903	1000	0.0011733					10000	0.0011845
Magnesium	0	0	5100		50000	2.3178E-06			500000	2.2988E-06	10000	
Manganese	0	0	100	0.0002821	1000	2.7625E-04	10000	2.7104E-04			10000	
Molybdenum	0	0	100	0.0034098	1000	0.0035486					10000	0.0034865
Nickel	0	0	100	0.0030444	1000	0.0030432					10000	0.0030356
Potassium	0	0	1000	8.71E-06	10000	1.4262E-05						
Selenium	0	0	100	0.0003551	1000	3.6883E-04					10000	3.5543E-04
Silver	0	0	20	0.000063	500	5.908E-05	2000	6.1775E-05				
Sodium	0	0	1000		50000	3.782E-05						
Strontium	0	0	100	0.001529	1000	0.001525					10000	0.001518
Thallium	0	0	100	0.0006747	1000	0.0006841					10000	6.8269E-04
Tin	0	0	50	0.0012054	1000	0.0012538					5000	1.24546E-03
Titanium	0	0	100	0.0002157	1000	2.1134E-04					10000	2.1048E-04
Vanadium	0	0	100	0.0000523	1000	5.203E-05					10000	5.164E-05
Zinc	0	0	100	0.0065817	1000	0.0067282					10000	0.0065748

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2041001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/9/12 9:12 2/9/12 9:47

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	6.2812E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.2439E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.497E-05										
Selenium												
Silver												
Sodium	100000	3.7216E-05	500000	3.6284E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2041001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	2/9/12 9:12	2/9/12 9:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.618225E-05	66.67804	5.808435	184.9804	0.9999998		0.998	
Antimony	3.5358E-04	66.70002	33.5855	196.7434	0.9999939		0.998	
Arsenic	2.447475E-04	66.77251	11.59855	193.223	0.999988		0.998	
Barium	7.399825E-03	66.7012	2.981205	177.7301	0.9999832		0.998	
Beryllium	1.85545E-03	66.69146	6.261485	160.8634	0.9999908		0.998	
Boron	1.11085E-05	66.66692	1.174868	88.40671	0.9999997		0.998	
Cadmium	1.196275E-02	66.7395	10.57232	196.2176	0.999967		0.998	
Calcium	4.889286E-05	66.77908	2.290403	172.1011	0.9999847		0.998	
Chromium	3.58985E-05	66.68698	4.65805	167.0142	1		0.998	
Cobalt	0.0032112	66.6685	3.07698	183.1404	0.9999995		0.998	
Copper	4.043375E-05	66.85969	0.8282725	49.25891	1		0.998	
Iron	1.506983E-05	66.85351	9.204345	196.899	0.9999988		0.998	
Lead	8.87025E-04	66.67142	14.91683	196.6441	0.9999989		0.998	
Magnesium	1.715125E-06	66.69169	36.91312	199.0928	0.9999692		0.998	
Manganese	2.073475E-04	66.70226	3.966623	171.9919	0.9999969		0.998	
Molybdenum	2.611225E-03	66.70211	3.330023	186.7305	0.9999964		0.998	
Nickel	0.0022808	66.66689	2.337697	181.0424	1		0.998	
Potassium	9.4855E-06	72.9056	1.74444	102.0314	0.999999		0.998	
Selenium	2.6984E-04	66.70879	8.758003	189.9391	0.9999865		0.998	
Silver	4.596375E-05	66.76178	6.492675	174.6122	0.9998609		0.998	
Sodium	2.783E-05	66.70531	1.698795	167.3796	0.9999726		0.998	
Strontium	0.001143	66.66785	1.36925	120.8984	0.9999997		0.998	
Thallium	5.103725E-04	66.6716	8.131857	195.3821	0.9999998		0.998	
Tin	9.26165E-04	66.70568	9.102057	189.0859	0.9999974		0.998	
Titanium	1.5938E-04	66.68208	7.57424	189.7753	1		0.998	
Vanadium	3.89925E-05	66.67028	7.607653	185.9455	0.9999996		0.998	
Zinc	4.971175E-03	66.68185	15.68066	196.538	0.9999946		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2046003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/14/12 8:19 2/14/12 8:55

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	2.003E-05	10000	2.016E-05			500000	1.96904E-05		
Antimony	0	0	100	0.0005079	1000	5.2866E-04					10000	5.1529E-04
Arsenic	0	0	100	0.0002945	1000	3.2237E-04					10000	0.0003151
Barium	0	0	50	0.0102076	1000	0.0098013	5000	0.0098564				
Beryllium	0	0	100	0.0025128	1000	0.0025422					10000	0.0024336
Boron	0	0	50	0.0000136	1000	1.334E-05					5000	1.3218E-05
Cadmium	0	0	100	0.015155	1000	0.015564					10000	0.014776
Calcium	0	0	1100	0.0000586	50000	5.7682E-05					10000	
Chromium	0	0	100	0.0000463	1000	4.557E-05					10000	4.511E-05
Cobalt	0	0	100	0.0046145	1000	0.0045658					10000	0.0045764
Copper	0	0	100	0.0000607	1000	5.709E-05					10000	5.5383E-05
Iron	0	0	5100	1.772353E-05	10000	1.7255E-05			500000	1.65404E-05	10000	
Lead	0	0	100	0.0012282	1000	0.0011996					10000	0.0012128
Magnesium	0	0	5100		50000	2.3768E-06			500000	2.3464E-06	10000	
Manganese	0	0	100	0.0002609	1000	2.5728E-04	10000	2.5246E-04			10000	
Molybdenum	0	0	100	0.0033317	1000	0.0034813					10000	0.0034447
Nickel	0	0	100	0.0029393	1000	0.0029226					10000	0.0029308
Potassium	0	0	1000	8.07E-06	10000	1.3072E-05						
Selenium	0	0	100	0.0003525	1000	3.6651E-04					10000	3.5473E-04
Silver	0	0	20	0.000057	500	5.392E-05	2000	5.7195E-05				
Sodium	0	0	1000		50000	3.7764E-05						
Strontium	0	0	100	0.001502	1000	0.001508					10000	0.001489
Thallium	0	0	100	0.0006424	1000	6.4354E-04					10000	6.5117E-04
Tin	0	0	50	0.0012092	1000	0.0012477					5000	1.24528E-03
Titanium	0	0	100	0.0002094	1000	2.0822E-04					10000	2.0858E-04
Vanadium	0	0	100	0.000048	1000	4.818E-05					10000	4.7741E-05
Zinc	0	0	100	0.0065018	1000	0.0066648					10000	0.0065239

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2046003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/14/12 8:19 2/14/12 8:55

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	5.6888E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3292E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3754E-05										
Selenium												
Silver												
Sodium	100000	3.7116E-05	500000	3.6156E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2046003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	2/14/12 8:19	2/14/12 8:55

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.49701E-05	66.67978	5.144185	186.0112	0.9999998		0.998	
Antimony	3.879625E-04	66.70344	11.69693	192.2451	0.9999927		0.998	
Arsenic	2.329925E-04	66.85888	5.561485	180.4569	0.9999926		0.998	
Barium	7.466325E-03	66.71022	2.501415	183.4699	0.9999981		0.998	
Beryllium	1.87215E-03	66.71166	4.996277	161.472	0.9999812		0.998	
Boron	1.00395E-05	66.68555	4.127962	164.8565	0.9999975		0.998	
Cadmium	1.137375E-02	66.72667	4.488543	187.2776	0.9999726		0.998	
Calcium	4.32925E-05	66.68624	2.38559	136.9988	0.9999982		0.998	
Chromium	3.4245E-05	66.68202	4.13868	179.1639	0.9999992		0.998	
Cobalt	3.439175E-03	66.66944	1.292665	148.1107	0.9999999		0.998	
Copper	4.329325E-05	66.86297	0.952725	78.03538	0.9999941		0.998	
Iron	1.287973E-05	66.77359	13.04066	191.7978	0.9999994		0.998	
Lead	9.1015E-04	66.67903	4.197857	178.364	0.9999986		0.998	
Magnesium	1.7631E-06	66.67601	32.09847	197.0846	0.9999939		0.998	
Manganese	1.9266E-04	66.69081	2.81872	159.2533	0.9999969		0.998	
Molybdenum	2.564425E-03	66.71289	19.9644	196.4985	0.9999985		0.998	
Nickel	2.198175E-03	66.66739	1.955368	168.8786	0.9999999		0.998	
Potassium	8.724E-06	72.71981	1.300342	101.2845	0.9999988		0.998	
Selenium	2.68435E-04	66.70598	8.16266	192.974	0.9999891		0.998	
Silver	4.202875E-05	66.76213	6.818725	181.4002	0.9997666		0.998	
Sodium	2.7759E-05	66.70912	5.68997	167.5843	0.9999691		0.998	
Strontium	1.12475E-03	66.67039	2.302225	136.9117	0.9999984		0.998	
Thallium	4.842775E-04	66.67152	4.588447	187.8591	0.999999		0.998	
Tin	9.25545E-04	66.6938	8.03355	191.1201	0.9999996		0.998	
Titanium	1.5655E-04	66.66741	3.68739	172.1643	0.9999999		0.998	
Vanadium	3.598025E-05	66.66855	9.597152	188.5416	0.9999992		0.998	
Zinc	4.922625E-03	66.68279	5.372988	190.7826	0.9999953		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2047003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/16/12 8:24 2/16/12 9:00

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	2.0278E-05	10000	2.0258E-05			500000	2.002E-05		
Antimony	0	0	100	0.0005238	1000	5.4195E-04					10000	5.2659E-04
Arsenic	0	0	100	0.0003025	1000	3.2513E-04					10000	3.1955E-04
Barium	0	0	50	0.0104112	1000	0.010056	5000	0.0101224				
Beryllium	0	0	100	0.0025534	1000	0.0026401					10000	0.0025476
Boron	0	0	50	0.0000132	1000	1.398E-05					5000	1.3498E-05
Cadmium	0	0	100	0.015306	1000	0.015767					10000	0.015024
Calcium	0	0	1100	5.819091E-05	50000	5.9486E-05					10000	
Chromium	0	0	100	0.0000468	1000	0.0000471					10000	4.653E-05
Cobalt	0	0	100	0.0047419	1000	0.0046855					10000	0.0046976
Copper	0	0	100	0.000061	1000	6.126E-05					10000	5.9006E-05
Iron	0	0	5100	1.778824E-05	10000	1.7437E-05			500000	1.66242E-05	10000	
Lead	0	0	100	0.0012496	1000	0.001225					10000	0.0012381
Magnesium	0	0	5100		50000	2.4478E-06			500000	2.419E-06	10000	
Manganese	0	0	100	0.0002584	1000	2.6942E-04	10000	2.5115E-04			10000	
Molybdenum	0	0	100	0.0034043	1000	0.0035276					10000	0.0035014
Nickel	0	0	100	0.0029755	1000	0.0029561					10000	0.0029708
Potassium	0	0	1000	8.08E-06	10000	1.341E-05						
Selenium	0	0	100	0.00036	1000	3.7166E-04					10000	3.6152E-04
Silver	0	0	20	0.0000575	500	5.534E-05	2000	5.697E-05				
Sodium	0	0	1000		50000	3.837E-05						
Strontium	0	0	100	0.001516	1000	0.001573					10000	0.001544
Thallium	0	0	100	0.0006494	1000	6.4965E-04					10000	6.5862E-04
Tin	0	0	50	0.001222	1000	0.0012705					5000	1.26594E-03
Titanium	0	0	100	0.0002115	1000	2.1855E-04					10000	2.1492E-04
Vanadium	0	0	100	0.000048	1000	4.982E-05					10000	4.8839E-05
Zinc	0	0	100	0.0066061	1000	0.0067362					10000	6.643699E-03
Aluminum	0	0	5000	2.0278E-05	10000	2.0258E-05			500000	2.002E-05		
Antimony	0	0	100	0.0005238	1000	5.4195E-04					10000	5.2659E-04
Arsenic	0	0	100	0.0003025	1000	3.2513E-04					10000	3.1955E-04
Barium	0	0	50	0.0104112	1000	0.010056	5000	0.0101224				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2047003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/16/12 8:24 2/16/12 9:00

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	0.0025534	1000	0.0026401					10000	0.0025476
Boron	0	0	50	0.0000132	1000	1.398E-05					5000	1.3498E-05
Cadmium	0	0	100	0.015306	1000	0.015767					10000	0.015024
Calcium	0	0	1100	5.819091E-05	50000	5.9486E-05					10000	
Chromium	0	0	100	0.0000468	1000	0.0000471					10000	4.653E-05
Cobalt	0	0	100	0.0047419	1000	0.0046855					10000	0.0046976
Copper	0	0	100	0.000061	1000	6.126E-05					10000	5.9006E-05
Iron	0	0	5100	1.778824E-05	10000	1.7437E-05			500000	1.66242E-05	10000	
Lead	0	0	100	0.0012496	1000	0.001225					10000	0.0012381
Magnesium	0	0	5100		50000	2.4478E-06			500000	2.419E-06	10000	
Manganese	0	0	100	0.0002584	1000	2.6942E-04	10000	2.5115E-04			10000	
Molybdenum	0	0	100	0.0034043	1000	0.0035276					10000	0.0035014
Nickel	0	0	100	0.0029755	1000	0.0029561					10000	0.0029708
Potassium	0	0	1000	8.08E-06	10000	1.341E-05						
Selenium	0	0	100	0.00036	1000	3.7166E-04					10000	3.6152E-04
Silver	0	0	20	0.0000575	500	5.534E-05	2000	5.697E-05				
Sodium	0	0	1000		50000	3.837E-05						
Strontium	0	0	100	0.001516	1000	0.001573					10000	0.001544
Thallium	0	0	100	0.0006494	1000	6.4965E-04					10000	6.5862E-04
Tin	0	0	50	0.001222	1000	0.0012705					5000	1.26594E-03
Titanium	0	0	100	0.0002115	1000	2.1855E-04					10000	2.1492E-04
Vanadium	0	0	100	0.000048	1000	4.982E-05					10000	4.8839E-05
Zinc	0	0	100	0.0066061	1000	0.0067362					10000	6.643699E-03

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2047003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/16/12 8:24 2/16/12 9:00

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	5.6142E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3282E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4048E-05										
Selenium												
Silver												
Sodium	100000	3.786E-05	500000	3.7582E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2047003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/16/12 8:24 2/16/12 9:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.6142E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3282E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4048E-05										
Selenium												
Silver												
Sodium	100000	3.786E-05	500000	3.7582E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2047003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/16/12 8:24 2/16/12 9:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.5139E-05	66.67116	7.107893	191.4996	0.9999999		0.998	
Antimony	3.98085E-04	66.6968	36.29777	197.2252	0.9999912		0.998	
Arsenic	2.36795E-04	66.79049	9.33787	191.0289	0.9999956		0.998	
Barium	0.0076474	66.69715	0.978435	143.3609	0.9999976		0.998	
Beryllium	1.935275E-03	66.70249	9.29572	193.0949	0.9999868		0.998	
Boron	1.01695E-05	66.74153	4.07816	174.6885	0.9999461		0.998	
Cadmium	1.152425E-02	66.71961	2.493233	177.6325	0.9999762		0.998	
Calcium	4.345473E-05	66.7419	1.497238	101.9911	0.999965		0.998	
Chromium	3.51075E-05	66.66996	6.169257	175.9268	0.9999986		0.998	
Cobalt	3.53125E-03	66.6702	1.005267	164.7741	0.9999999		0.998	
Copper	4.53165E-05	66.70368	1.193923	85.6196	0.9999882		0.998	
Iron	1.296236E-05	66.77266	11.45575	191.6186	0.9999993		0.998	
Lead	9.28175E-04	66.67546	5.35234	188.7351	0.9999986		0.998	
Magnesium	1.79875E-06	66.72685	26.57166	197.8257	0.999925		0.998	
Manganese	1.947425E-04	66.77815	2.447175	137.8603	0.9999486		0.998	
Molybdenum	2.608325E-03	66.69767	1.930303	171.7781	0.9999992		0.998	
Nickel	0.0022256	66.6677	1.17046	171.0195	0.9999997		0.998	
Potassium	8.8845E-06	73.15346	1.284495	95.53546	0.9999993		0.998	
Selenium	2.73295E-04	66.69356	7.811495	190.9762	0.9999926		0.998	
Silver	4.24525E-05	66.70182	6.02219	165.3795	0.999939		0.998	
Sodium	2.8453E-05	66.67653	5.336135	191.8866	0.999996		0.998	
Strontium	1.15825E-03	66.69693	1.5611	169.3413	0.999996		0.998	
Thallium	4.894175E-04	66.67242	4.06305	184.558	0.9999985		0.998	
Tin	9.3961E-04	66.70728	2.206415	183.4354	0.999999		0.998	
Titanium	1.612425E-04	66.69057	6.462198	186.8922	0.999997		0.998	
Vanadium	3.666475E-05	66.69752	1.106707	59.3176	0.9999957		0.998	
Zinc	0.0049965	66.67564	14.03087	196.8912	0.999998		0.998	
Aluminum	1.5139E-05	66.67116	7.107893	191.4996	0.9999999		0.998	
Antimony	3.98085E-04	66.6968	36.29777	197.2252	0.9999912		0.998	
Arsenic	2.36795E-04	66.79049	9.33787	191.0289	0.9999956		0.998	
Barium	0.0076474	66.69715	0.978435	143.3609	0.9999976		0.998	
Beryllium	1.935275E-03	66.70249	9.29572	193.0949	0.9999868		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2047003	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	2/16/12 8:24	2/16/12 9:00	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.01695E-05	66.74153	4.07816	174.6885	0.9999461		0.998	
Cadmium	1.152425E-02	66.71961	2.493233	177.6325	0.9999762		0.998	
Calcium	4.345473E-05	66.7419	1.497238	101.9911	0.999965		0.998	
Chromium	3.51075E-05	66.66996	6.169257	175.9268	0.9999986		0.998	
Cobalt	3.53125E-03	66.6702	1.005267	164.7741	0.9999999		0.998	
Copper	4.53165E-05	66.70368	1.193923	85.6196	0.9999882		0.998	
Iron	1.296236E-05	66.77266	11.45575	191.6186	0.9999993		0.998	
Lead	9.28175E-04	66.67546	5.35234	188.7351	0.9999986		0.998	
Magnesium	1.79875E-06	66.72685	26.57166	197.8257	0.999925		0.998	
Manganese	1.947425E-04	66.77815	2.447175	137.8603	0.9999486		0.998	
Molybdenum	2.608325E-03	66.69767	1.930303	171.7781	0.9999992		0.998	
Nickel	0.0022256	66.6677	1.17046	171.0195	0.9999997		0.998	
Potassium	8.8845E-06	73.15346	1.284495	95.53546	0.9999993		0.998	
Selenium	2.73295E-04	66.69356	7.811495	190.9762	0.9999926		0.998	
Silver	4.24525E-05	66.70182	6.02219	165.3795	0.999939		0.998	
Sodium	2.8453E-05	66.67653	5.336135	191.8866	0.999996		0.998	
Strontium	1.15825E-03	66.69693	1.5611	169.3413	0.999996		0.998	
Thallium	4.894175E-04	66.67242	4.06305	184.558	0.9999985		0.998	
Tin	9.3961E-04	66.70728	2.206415	183.4354	0.999999		0.998	
Titanium	1.612425E-04	66.69057	6.462198	186.8922	0.999997		0.998	
Vanadium	3.666475E-05	66.69752	1.106707	59.3176	0.9999957		0.998	
Zinc	0.0049965	66.67564	14.03087	196.8912	0.999998		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2052001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/20/12 9:29 2/20/12 10:04

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	0.0000204	10000	2.0503E-05			500000	2.0062E-05		
Antimony	0	0	100	0.000491	1000	5.0323E-04					10000	4.9554E-04
Arsenic	0	0	100	0.0003043	1000	3.2205E-04					10000	3.1939E-04
Barium	0	0	50	0.0101362	1000	9.683699E-03	5000	0.0098968				
Beryllium	0	0	100	0.0025378	1000	0.0025579					10000	0.0025178
Boron	0	0	50	0.000014	1000	1.409E-05					5000	1.4006E-05
Cadmium	0	0	100	0.015522	1000	0.015596					10000	0.015018
Calcium	0	0	1100	6.307273E-05	50000	6.0924E-05					10000	
Chromium	0	0	100	0.0000477	1000	0.0000462					10000	4.6449E-05
Cobalt	0	0	100	0.0044904	1000	0.0043917					10000	0.0044659
Copper	0	0	100	0.000061	1000	5.651E-05					10000	5.6315E-05
Iron	0	0	5100	1.889804E-05	10000	1.843E-05			500000	1.72714E-05	10000	
Lead	0	0	100	0.0012148	1000	0.0011722					10000	0.0012038
Magnesium	0	0	5100		50000	2.4954E-06			500000	2.4846E-06	10000	
Manganese	0	0	100	0.0002744	1000	2.6637E-04	10000	2.5789E-04			10000	
Molybdenum	0	0	100	0.0033723	1000	0.003442					10000	0.0034515
Nickel	0	0	100	0.0029887	1000	0.0029159					10000	0.0029673
Potassium	0	0	1000	7.89E-06	10000	1.3593E-05						
Selenium	0	0	100	0.0003548	1000	3.6183E-04					10000	3.5472E-04
Silver	0	0	20	0.0000595	500	5.582E-05	2000	5.753E-05				
Sodium	0	0	1000		50000	3.7644E-05						
Strontium	0	0	100	0.001521	1000	0.001525					10000	0.001532
Thallium	0	0	100	0.0006535	1000	6.4679E-04					10000	0.000663
Tin	0	0	50	0.001211	1000	0.0012397					5000	1.24958E-03
Titanium	0	0	100	0.000215	1000	0.0002129					10000	2.1307E-04
Vanadium	0	0	100	0.0000504	1000	0.0000496					10000	4.9938E-05
Zinc	0	0	100	0.0065543	1000	0.0065887					10000	0.0065509

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2052001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/20/12 9:29 2/20/12 10:04

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.9174E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.421E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4404E-05										
Selenium												
Silver												
Sodium	100000	3.7044E-05	500000	3.698E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_042	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2052001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	2/20/12 9:29	2/20/12 10:04

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.524125E-05	66.67812	7.05992	190.6827	0.9999998		0.998	
Antimony	3.724425E-04	66.68044	12.22226	194.0047	0.9999974		0.998	
Arsenic	2.36435E-04	66.74859	6.977863	185.6562	0.9999987		0.998	
Barium	7.429175E-03	66.71308	0.6148925	152.1447	0.9999783		0.998	
Beryllium	1.903375E-03	66.67221	3.353263	136.5398	0.9999976		0.998	
Boron	1.0524E-05	66.66781	2.853655	165.2232	0.9999987		0.998	
Cadmium	0.011534	66.70384	5.441492	193.2238	0.9999862		0.998	
Calcium	4.579268E-05	66.75753	1.541445	143.0498	0.9999917		0.998	
Chromium	3.508725E-05	66.6929	2.26033	147.1139	0.9999995		0.998	
Cobalt	0.003337	66.67852	1.56186	163.9212	0.9999969		0.998	
Copper	4.345625E-05	66.8524	1.031062	34.07233	0.9999999		0.998	
Iron	1.364986E-05	66.85458	30.14058	196.8999	0.9999987		0.998	
Lead	0.0008977	66.697	26.84082	196.7178	0.9999926		0.998	
Magnesium	1.85025E-06	66.69027	6.499585	193.5948	0.9999674		0.998	
Manganese	1.99665E-04	66.7521	2.86154	150.8847	0.9999907		0.998	
Molybdenum	2.56645E-03	66.68086	10.07048	195.5932	0.9999999		0.998	
Nickel	2.217975E-03	66.68089	1.58173	171.3206	0.9999966		0.998	
Potassium	8.97175E-06	74.08251	2.75631	103.8556	0.999997		0.998	
Selenium	2.678375E-04	66.67828	4.433085	192.2415	0.9999963		0.998	
Silver	4.32125E-05	66.75741	4.218187	164.0921	0.9999334		0.998	
Sodium	2.7917E-05	66.67527	3.216295	161.7238	0.9999972		0.998	
Strontium	0.0011445	66.66785	2.684025	142.2796	0.9999998		0.998	
Thallium	4.908225E-04	66.68044	5.037725	192.9388	0.9999948		0.998	
Tin	9.2507E-04	66.69013	2.867795	186.5463	0.9999979		0.998	
Titanium	1.602425E-04	66.66932	5.917715	183.3102	1		0.998	
Vanadium	3.74845E-05	66.67241	10.92787	191.6275	0.9999994		0.998	
Zinc	4.923475E-03	66.66757	4.524938	193.3487	0.9999997		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0411

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-01
Sampled:	01/27/12 13:01	Received:	01/28/12 08:25
% 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	2B13007	02/15/12 12:25
18496-25-8	Sulfide	0.698	0.678	1.69	3.39	1	J	SM4500S2CF	2B03422	02/03/12 15:01
10-09-3	Alkalinity, Bicarbonate (as CACO3)	80.3	1.00	1.00	1.00	1		SM2320B	2B09007	02/09/12 11:51
16887-00-6	Chloride	81.8	0.170	0.330	0.500	1		E300.0	2A31016	01/31/12 18:34
NA	Nitrate/Nitrite as N	2.49	0.250	0.750	1.50	1		E353.2	2B10008	02/10/12 09:18
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B09007	02/09/12 11:51
14808-79-8	Sulfate as SO4	114	0.330	1.00	2.00	1		E300.0	2A31016	01/31/12 18:34

ANALYSIS DATA SHEET

GW0465

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-03
Sampled:	01/26/12 15:59	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.147	0.110	0.150	0.300	1	J	SM4500NH3BG	2B13007	02/15/12 12:26
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2B02016	02/02/12 17:11
10-09-3	Alkalinity, Bicarbonate (as CACO3)	135	1.00	1.00	1.00	1		SM2320B	2B09007	02/09/12 12:05
16887-00-6	Chloride	31.6	0.170	0.330	0.500	1		E300.0	2A31016	01/31/12 18:51
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:20
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B09007	02/09/12 12:05
14808-79-8	Sulfate as SO4	53.2	0.330	1.00	2.00	1		E300.0	2A31016	01/31/12 18:51

ANALYSIS DATA SHEET

GW0473

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-05
Sampled:	01/26/12 16:25	Received:	01/28/12 08:25
% 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	2B13007	02/15/12 12:27
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B02016	02/02/12 17:12
10-09-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2B09007	02/09/12 12:25
16887-00-6	Chloride	12.7	0.170	0.330	0.500	1		E300.0	2A31016	01/31/12 19:08
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:21
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B09007	02/09/12 12:25
14808-79-8	Sulfate as SO4	35.1	0.330	1.00	2.00	1		E300.0	2A31016	01/31/12 19:08

ANALYSIS DATA SHEET

GW0474

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-07
Sampled:	01/26/12 16:25	Received:	01/28/12 08:25
% 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	2B13007	02/15/12 12:28
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B02016	02/02/12 17:13
10-09-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2B09007	02/09/12 12:35
16887-00-6	Chloride	12.7	0.170	0.330	0.500	1		E300.0	2A31016	01/31/12 19:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:23
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B09007	02/09/12 12:35
14808-79-8	Sulfate as SO4	35.2	0.330	1.00	2.00	1		E300.0	2A31016	01/31/12 19:26

ANALYSIS DATA SHEET

GW0494

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-09
Sampled:	01/27/12 13:31	Received:	01/28/12 08:25
% 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	2B13007	02/15/12 12:29
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B03422	02/03/12 15:01
10-09-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	2B09007	02/09/12 12:50
16887-00-6	Chloride	9.86	0.170	0.330	0.500	1		E300.0	2A31016	01/31/12 19:43
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:24
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B09007	02/09/12 12:50
14808-79-8	Sulfate as SO4	28.9	0.330	1.00	2.00	1		E300.0	2A31016	01/31/12 19:43

ANALYSIS DATA SHEET

GW0495

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1201196-11
Sampled:	01/27/12 10:56	Received:	01/28/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.114	0.110	0.150	0.300	1	J	SM4500NH3BG	2B13007	02/15/12 12:30
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2B03422	02/03/12 15:02
10-09-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2B09007	02/09/12 13:03
16887-00-6	Chloride	8.10	0.170	0.330	0.500	1		E300.0	2A31016	01/31/12 20:01
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:26
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B09007	02/09/12 13:03
14808-79-8	Sulfate as SO4	28.7	0.330	1.00	2.00	1		E300.0	2A31016	01/31/12 20:01

ANALYSIS DATA SHEET

GW0409

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-01
Sampled:	01/30/12 16:36	Received:	02/01/12 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	2B13007	02/15/12 12:31
18496-25-8	Sulfide	0.685	0.678	1.69	3.39	1	J	SM4500S2CF	2B06020	02/06/12 13:19
10-09-3	Alkalinity, Bicarbonate (as CACO3)	87.4	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 13:45
16887-00-6	Chloride	25.7	0.170	0.330	0.500	1		E300.0	2B01017	02/01/12 23:24
NA	Nitrate/Nitrite as N	0.522	0.250	0.750	1.50	1	J	E353.2	2B10008	02/10/12 09:27
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 13:45
14808-79-8	Sulfate as SO4	55.7	0.330	1.00	2.00	1		E300.0	2B01017	02/01/12 23:24

ANALYSIS DATA SHEET

GW0422

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-03
Sampled:	01/31/12 12:25	Received:	02/01/12 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	2B13007	02/15/12 12:34
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2B07023	02/07/12 13:02
10-09-3	Alkalinity, Bicarbonate (as CACO3)	117	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 14:15
16887-00-6	Chloride	7.56	0.170	0.330	0.500	1		E300.0	2B01017	02/01/12 21:56
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:31
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 14:15
14808-79-8	Sulfate as SO4	27.6	0.330	1.00	2.00	1		E300.0	2B01017	02/01/12 21:56

ANALYSIS DATA SHEET

GW0423

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-05
Sampled:	01/31/12 10:25	Received:	02/01/12 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	2B13007	02/15/12 12:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B07023	02/07/12 13:03
10-09-3	Alkalinity, Bicarbonate (as CACO3)	119	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 14:30
16887-00-6	Chloride	6.64	0.170	0.330	0.500	1		E300.0	2B01017	02/01/12 22:14
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:33
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 14:30
14808-79-8	Sulfate as SO4	27.4	0.330	1.00	2.00	1		E300.0	2B01017	02/01/12 22:14

ANALYSIS DATA SHEET

GW0424

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-07
Sampled:	01/30/12 11:22	Received:	02/01/12 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	2B13007	02/15/12 12:36
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B06020	02/06/12 13:20
10-09-3	Alkalinity, Bicarbonate (as CACO3)	86.6	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 14:47
16887-00-6	Chloride	6.54	0.170	0.330	0.500	1		E300.0	2B01017	02/01/12 22:31
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:34
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 14:47
14808-79-8	Sulfate as SO4	27.2	0.330	1.00	2.00	1		E300.0	2B01017	02/01/12 22:31

ANALYSIS DATA SHEET

GW0436

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-09
Sampled:	01/31/12 11:56	Received:	02/01/12 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	2B13007	02/15/12 12:39
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B07023	02/07/12 13:04
10-09-3	Alkalinity, Bicarbonate (as CACO3)	117	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 15:01
16887-00-6	Chloride	12.6	0.170	0.330	0.500	1		E300.0	2B01017	02/01/12 22:49
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:39
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 15:01
14808-79-8	Sulfate as SO4	36.2	0.330	1.00	2.00	1		E300.0	2B01017	02/01/12 22:49

ANALYSIS DATA SHEET

GW0437

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202006-11
Sampled:	01/30/12 12:51	Received:	02/01/12 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	2B13007	02/15/12 12:39
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2B06020	02/06/12 13:21
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 15:23
16887-00-6	Chloride	9.37	0.170	0.330	0.500	1		E300.0	2B01017	02/01/12 23:06
NA	Nitrate/Nitrite as N	0.887	0.250	0.750	1.50	1	J	E353.2	2B10008	02/10/12 09:40
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 15:23
14808-79-8	Sulfate as SO4	32.3	0.330	1.00	2.00	1		E300.0	2B01017	02/01/12 23:06

ANALYSIS DATA SHEET

GW0382

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-01
Sampled:	02/01/12 13:47	Received:	02/02/12 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	2B13007	02/15/12 12:40
18496-25-8	Sulfide	0.890	0.741	1.85	3.70	1	J	SM4500S2CF	2B07023	02/07/12 13:05
10-09-3	Alkalinity, Bicarbonate (as CACO3)	140	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 10:02
16887-00-6	Chloride	14.7	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 16:03
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:43
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 10:02
14808-79-8	Sulfate as SO4	32.1	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 16:03

ANALYSIS DATA SHEET

GW0395

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-03
Sampled:	01/31/12 15:15	Received:	02/02/12 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	2B13007	02/15/12 12:41
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B07023	02/07/12 13:06
10-09-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 15:35
16887-00-6	Chloride	8.30	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 16:21
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:45
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 15:35
14808-79-8	Sulfate as SO4	28.4	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 16:21

ANALYSIS DATA SHEET

GW0435

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-05
Sampled:	01/31/12 15:13	Received:	02/02/12 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	2B13007	02/15/12 12:42
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2B07023	02/07/12 13:07
10-09-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2B13006	02/13/12 15:47
16887-00-6	Chloride	12.5	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 16:38
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:46
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B13006	02/13/12 15:47
14808-79-8	Sulfate as SO4	35.8	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 16:38

ANALYSIS DATA SHEET

GW0497

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202022-07
Sampled:	02/01/12 11:05	Received:	02/02/12 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	2B13007	02/15/12 12:43
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B07023	02/07/12 13:08
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 10:19
16887-00-6	Chloride	15.7	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 16:55
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B10008	02/10/12 09:47
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 10:19
14808-79-8	Sulfate as SO4	44.2	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 16:55

ANALYSIS DATA SHEET

GW0400

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-01
Sampled:	02/02/12 12:27	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:30
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B09017	02/09/12 16:43
10-09-3	Alkalinity, Bicarbonate (as CACO3)	89.8	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 10:30
16887-00-6	Chloride	91.4	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 17:13
NA	Nitrate/Nitrite as N	1.98	0.250	0.750	1.50	1		E353.2	2B13015	02/13/12 11:46
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 10:30
14808-79-8	Sulfate as SO4	65.7	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 17:13

ANALYSIS DATA SHEET

GW0401

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-03
Sampled:	02/02/12 12:27	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:31
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B09017	02/09/12 16:44
10-09-3	Alkalinity, Bicarbonate (as CACO3)	89.0	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 10:43
16887-00-6	Chloride	90.9	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 18:57
NA	Nitrate/Nitrite as N	1.38	0.250	0.750	1.50	1	J	E353.2	2B13015	02/13/12 11:48
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 10:43
14808-79-8	Sulfate as SO4	65.8	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 18:57

ANALYSIS DATA SHEET

GW0420

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-05
Sampled:	02/02/12 11:55	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:32
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B09017	02/09/12 16:45
10-09-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 10:55
16887-00-6	Chloride	18.0	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 19:15
NA	Nitrate/Nitrite as N	0.256	0.250	0.750	1.50	1	J	E353.2	2B13015	02/13/12 11:49
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 10:55
14808-79-8	Sulfate as SO4	48.5	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 19:15

ANALYSIS DATA SHEET

GW0421

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-07
Sampled:	02/02/12 11:55	Received:	02/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:33
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B09017	02/09/12 16:46
10-09-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 11:15
16887-00-6	Chloride	18.1	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 19:32
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 11:51
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 11:15
14808-79-8	Sulfate as SO4	48.4	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 19:32

ANALYSIS DATA SHEET

GW0496

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202028-09
Sampled:	02/01/12 15:25	Received:	02/03/12 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	2B13007	02/15/12 12:44
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B07023	02/07/12 13:09
10-09-3	Alkalinity, Bicarbonate (as CACO3)	103	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 11:38
16887-00-6	Chloride	12.1	0.170	0.330	0.500	1		E300.0	2B03421	02/03/12 19:49
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 11:52
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 11:38
14808-79-8	Sulfate as SO4	40.4	0.330	1.00	2.00	1		E300.0	2B03421	02/03/12 19:49

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 1L33502

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1L33502-ICV1	Chloride	4.800	5.082	106	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	24.04	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B03305

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B03305-CCV1	Chloride	25.00	25.39	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.33	101	mg/L	+/- 10.00%
2B03305-CCV2	Chloride	25.00	25.24	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.24	101	mg/L	+/- 10.00%
2B03305-CCV3	Chloride	25.00	25.10	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.15	101	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_042
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B03424

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B03424-CCV1	Chloride	25.00	25.57	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.66	103	mg/L	+/- 10.00%
2B03424-CCV2	Chloride	25.00	25.34	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.52	102	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B03812

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B03812-CCV1	Chloride	25.00	25.30	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.41	102	mg/L	+/- 10.00%
2B03812-CCV2	Chloride	25.00	25.20	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.15	101	mg/L	+/- 10.00%
2B03812-CCV3	Chloride	25.00	25.25	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.29	101	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_042
Project: Kirtland AFB 2011
Calibration: 2041002
Sequence: 2B04103

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04103-ICV1	Nitrate/Nitrite as N	1.200	1.189	99.1	mg/L	+/- 10.00%
2B04103-CCV1	Nitrate/Nitrite as N	1.200	1.173	97.7	mg/L	+/- 10.00%
2B04103-CCV2	Nitrate/Nitrite as N	1.200	1.157	96.4	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_042
Project: Kirtland AFB 2011
Calibration: 2044001
Sequence: 2B04406

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04406-ICV1	Nitrate/Nitrite as N	1.200	1.168	97.3	mg/L	+/- 10.00%
2B04406-CCV1	Nitrate/Nitrite as N	1.200	1.125	93.8	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_042
Project: Kirtland AFB 2011
Calibration: 2046002
Sequence: 2B04612

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04612-ICV1	Ammonia as N	2.000	2.176	109	mg/L	+/- 10.00%
2B04612-CCV1	Ammonia as N	2.000	2.161	108	mg/L	+/- 10.00%
2B04612-CCV2	Ammonia as N	2.000	2.142	107	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_042
Project: Kirtland AFB 2011
Calibration: 2047002
Sequence: 2B04707

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04707-ICV1	Ammonia as N	2.000	2.199	110	mg/L	+/- 10.00%
2B04707-CCV1	Ammonia as N	2.000	2.157	108	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B03305

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B03305-CRL1	Chloride	0.5000	0.5000	100	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5240	105	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B03424

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B03424-CRL1	Chloride	0.5000	0.5400	108	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5570	111	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B03812

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B03812-CRL1	Chloride	0.5000	0.5470	109	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5700	114	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2A31016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2A31016-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B01017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B01017-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B02016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B02016-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B03421

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B03421-BLK1	Chloride	0.0760	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B03422

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B03422-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B06020

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B06020-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B07023

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B07023-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B09007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B09007-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B09017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B09017-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B10008

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B10008-BLK1	Nitrate/Nitrite as N	-0.0225	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B13006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B13006-BLK1	Alkalinity, Total (as CACO3)	0.394	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B13007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B13007-BLK1	Ammonia as N	0.0787	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B13015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B13015-BLK1	Nitrate/Nitrite as N	-0.0335	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B14007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B14007-BLK1	Alkalinity, Total (as CACO3)	0.394	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B15006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B15006-BLK1	Ammonia as N	0.0752	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1L33502
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1L33502-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B03305
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B03305-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B03305-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
2B03305-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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B03424
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B03424-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B03424-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B03812
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B03812-CCB1	Chloride	0.0700	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B03812-CCB2	Chloride	0.0790	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B03812-CCB3	Chloride	0.0790	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_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04103
Calibration: 2041002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04103-ICB1	Nitrate/Nitrite as N	-0.02972	0.0500	0.300	mg/L	U	E353.2
2B04103-CCB1	Nitrate/Nitrite as N	-0.0256	0.0500	0.300	mg/L	U	E353.2
2B04103-CCB2	Nitrate/Nitrite as N	-0.0236	0.0500	0.300	mg/L	U	E353.2

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04406
Calibration: 2044001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04406-ICB1	Nitrate/Nitrite as N	-0.01601	0.0500	0.300	mg/L	U	E353.2
2B04406-CCB1	Nitrate/Nitrite as N	-0.0218	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04612
Calibration: 2046002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04612-ICB1	Ammonia as N	-0.04377	0.110	0.300	mg/L	U	SM4500NH3BG
2B04612-CCB1	Ammonia as N	-0.0160	0.110	0.300	mg/L	U	SM4500NH3BG
2B04612-CCB2	Ammonia as N	0.00243	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04707
Calibration: 2047002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04707-ICB1	Ammonia as N	-0.01262	0.110	0.300	mg/L	U	SM4500NH3BG
2B04707-CCB1	Ammonia as N	-0.0106	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0495

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2A31016

% Solids:

Source Sample Name: **1201196-11**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	8.097	33.85	92.7		80 - 120
Sulfate as SO4	27.78	28.66	54.34	92.5		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	35.92	100	5.94		20	80 - 120
Sulfate as SO4	27.78	56.05	98.6	3.11		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B01017

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	25.69	50.98	91.0		80 - 120
Sulfate as SO4	27.78	55.72	80.54	89.3		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	53.75	101	5.30		20	80 - 120
Sulfate as SO4	27.78	83.29	99.2	3.36		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0400

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B03421

% Solids:

Source Sample Name: **1202028-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	91.44	118.2	96.2		80 - 120
Sulfate as SO4	27.78	65.69	91.52	93.0		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
Chloride	27.78	119.8	102	1.38		20	80 - 120
Sulfate as SO4	27.78	93.01	98.3	1.62		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B06020

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1083	0.6847	1170	108		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1083	1152	106	1.55		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0495

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09007

% Solids:

Source Sample Name: **1201196-11**

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	108.3	230.2	110		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	223.2	103	3.09		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B10008

% Solids:

Source Sample Name: **1202006-01**

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	0.5215	3.068	102		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	3.070	102	0.0489		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13006

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	87.42	198.7	100		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	199.1	100	0.220		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0409

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13007

% Solids:

Source Sample Name: **1202006-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.252	105		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	5.469	109	4.05		20	75 - 125

DUPLICATES

GW0495

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2A31016-DUP1
Batch: 2A31016
Lab Source ID: 1201196-11
Preparation: WC_PREP_ANIONS_W
Initial/Final: 5 mL / 5 mL
Source Sample Name: GW0495
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	8.10	8.002	1.18		E300.0
Sulfate as SO4	20	28.7	28.37	1.01		E300.0

DUPLICATES

GW0409

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2B01017-DUP2
Batch: 2B01017
Lab Source ID: 1202006-01
Preparation: WC_PREP_ANIONS_W
Initial/Final: 5 mL / 5 mL
Source Sample Name: GW0409
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	25.7	25.72	0.0973		E300.0
Sulfate as SO4	20	55.7	55.72	0.0108		E300.0

DUPLICATES

GW0400

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_042
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2B03421-DUP1
Batch: 2B03421
Lab Source ID: 1202028-01
Preparation: WC_PREP_ANIONS_W
Initial/Final: 5 mL / 5 mL
Source Sample Name: GW0400
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	91.4	91.80	0.389		E300.0
Sulfate as SO4	20	65.7	65.98	0.442		E300.0

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2A31016	Laboratory ID:	2A31016-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	4.803	100	90 - 110
Sulfate as SO4	24.00	23.56	98.2	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B01017	Laboratory ID:	2B01017-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	4.764	99.2	90 - 110
Sulfate as SO4	24.00	23.52	98.0	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B02016	Laboratory ID:	2B02016-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1083	1183	109	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1083	1150	106	2.85	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03421	Laboratory ID:	2B03421-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	4.810	100	90 - 110
Sulfate as SO4	24.00	24.09	100	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B03422	Laboratory ID:	2B03422-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1083	1084	100	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1083	1067	98.5	1.55	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06020	Laboratory ID:	2B06020-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1083	1084	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07023	Laboratory ID:	2B07023-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1083	1100	102	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1083	1250	115	12.8	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09007	Laboratory ID:	2B09007-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	1138	114	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09017	Laboratory ID:	2B09017-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1083	933.7	86.2	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1083	917.1	84.7	1.79	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B10008	Laboratory ID:	2B10008-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.616	95.6	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13006	Laboratory ID:	2B13006-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	1032	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13007	Laboratory ID:	2B13007-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	4.978	99.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13015	Laboratory ID:	2B13015-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.576	93.3	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14007	Laboratory ID:	2B14007-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1046	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15006	Laboratory ID:	2B15006-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.223	104	80 - 120

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2A31016 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	01/31/12 14:22	5.00	5.00
GW0465	1201196-03	01/31/12 14:22	5.00	5.00
GW0473	1201196-05	01/31/12 14:22	5.00	5.00
GW0474	1201196-07	01/31/12 14:22	5.00	5.00
GW0494	1201196-09	01/31/12 14:22	5.00	5.00
GW0495	1201196-11	01/31/12 14:22	5.00	5.00
Blank	2A31016-BLK1	01/31/12 14:23	5.00	5.00
LCS	2A31016-BS1	01/31/12 14:23	5.00	5.00
GW0495	2A31016-DUP1	01/31/12 14:23	5.00	5.00
GW0495	2A31016-MS1	01/31/12 14:23	22.50	25.00
GW0495	2A31016-MSD1	01/31/12 14:23	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B01017 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/01/12 14:42	5.00	5.00
GW0422	1202006-03	02/01/12 14:42	5.00	5.00
GW0423	1202006-05	02/01/12 14:42	5.00	5.00
GW0424	1202006-07	02/01/12 14:42	5.00	5.00
GW0436	1202006-09	02/01/12 14:42	5.00	5.00
GW0437	1202006-11	02/01/12 14:42	5.00	5.00
Blank	2B01017-BLK1	02/01/12 14:42	5.00	5.00
LCS	2B01017-BS1	02/01/12 14:42	5.00	5.00
GW0409	2B01017-DUP2	02/01/12 14:42	5.00	5.00
GW0409	2B01017-MS2	02/01/12 14:42	22.50	25.00
GW0409	2B01017-MSD2	02/01/12 14:42	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B02016 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0465	1201196-03	02/02/12 16:01	270.00	200.00
GW0473	1201196-05	02/02/12 16:01	295.00	200.00
GW0474	1201196-07	02/02/12 16:01	290.00	200.00
Blank	2B02016-BLK1	02/02/12 16:01	250.00	200.00
LCS	2B02016-BS1	02/02/12 16:01	3.00	250.00
LCS Dup	2B02016-BSD1	02/02/12 16:01	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B03421 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0382	1202022-01	02/03/12 12:10	5.00	5.00
GW0395	1202022-03	02/03/12 12:10	5.00	5.00
GW0435	1202022-05	02/03/12 12:10	5.00	5.00
GW0497	1202022-07	02/03/12 12:10	5.00	5.00
GW0400	1202028-01	02/03/12 12:10	5.00	5.00
GW0401	1202028-03	02/03/12 12:10	5.00	5.00
GW0420	1202028-05	02/03/12 12:10	5.00	5.00
GW0421	1202028-07	02/03/12 12:10	5.00	5.00
GW0496	1202028-09	02/03/12 12:10	5.00	5.00
Blank	2B03421-BLK1	02/03/12 12:10	5.00	5.00
LCS	2B03421-BS1	02/03/12 12:10	5.00	5.00
GW0400	2B03421-DUP1	02/03/12 12:10	5.00	5.00
GW0400	2B03421-MS1	02/03/12 12:10	22.50	25.00
GW0400	2B03421-MSD1	02/03/12 12:10	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B03422 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	02/03/12 12:18	295.00	200.00
GW0494	1201196-09	02/03/12 12:18	270.00	200.00
GW0495	1201196-11	02/03/12 12:18	270.00	200.00
Blank	2B03422-BLK1	02/03/12 12:18	250.00	200.00
LCS	2B03422-BS1	02/03/12 12:18	3.00	250.00
LCS Dup	2B03422-BSD1	02/03/12 12:18	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B06020 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/06/12 10:16	295.00	200.00
GW0424	1202006-07	02/06/12 10:16	290.00	200.00
GW0437	1202006-11	02/06/12 10:16	295.00	200.00
Blank	2B06020-BLK1	02/06/12 10:16	250.00	200.00
LCS	2B06020-BS1	02/06/12 10:16	3.00	250.00
GW0409	2B06020-MS1	02/06/12 10:16	3.00	270.00
GW0409	2B06020-MSD1	02/06/12 10:16	3.00	270.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B07023 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0422	1202006-03	02/07/12 12:44	270.00	200.00
GW0423	1202006-05	02/07/12 12:44	270.00	200.00
GW0436	1202006-09	02/07/12 12:44	295.00	200.00
GW0382	1202022-01	02/07/12 12:44	270.00	200.00
GW0395	1202022-03	02/07/12 12:44	270.00	200.00
GW0435	1202022-05	02/07/12 12:44	270.00	200.00
GW0497	1202022-07	02/07/12 12:44	270.00	200.00
GW0496	1202028-09	02/07/12 12:44	290.00	200.00
Blank	2B07023-BLK1	02/07/12 12:44	250.00	200.00
LCS	2B07023-BS1	02/07/12 12:44	3.00	250.00
LCS Dup	2B07023-BSD1	02/07/12 12:44	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B09007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	02/09/12 08:34	25.00	25.00
GW0465	1201196-03	02/09/12 08:34	25.00	25.00
GW0473	1201196-05	02/09/12 08:34	25.00	25.00
GW0474	1201196-07	02/09/12 08:34	25.00	25.00
GW0494	1201196-09	02/09/12 08:34	25.00	25.00
GW0495	1201196-11	02/09/12 08:34	25.00	25.00
Blank	2B09007-BLK1	02/09/12 08:34	25.00	25.00
LCS	2B09007-BS1	02/09/12 08:34	5.00	25.00
GW0495	2B09007-MS1	02/09/12 08:34	22.50	25.00
GW0495	2B09007-MSD1	02/09/12 08:34	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B09017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0400	1202028-01	02/09/12 12:47	295.00	200.00
GW0401	1202028-03	02/09/12 12:47	295.00	200.00
GW0420	1202028-05	02/09/12 12:47	270.00	200.00
GW0421	1202028-07	02/09/12 12:47	270.00	200.00
Blank	2B09017-BLK1	02/09/12 12:47	250.00	200.00
LCS	2B09017-BS1	02/09/12 12:47	3.00	250.00
LCS Dup	2B09017-BSD1	02/09/12 12:47	3.00	250.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B10008 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	02/10/12 07:22	4.00	20.00
GW0465	1201196-03	02/10/12 07:22	4.00	20.00
GW0473	1201196-05	02/10/12 07:22	4.00	20.00
GW0474	1201196-07	02/10/12 07:22	4.00	20.00
GW0494	1201196-09	02/10/12 07:22	4.00	20.00
GW0495	1201196-11	02/10/12 07:22	4.00	20.00
GW0409	1202006-01	02/10/12 07:22	4.00	20.00
GW0422	1202006-03	02/10/12 07:22	4.00	20.00
GW0423	1202006-05	02/10/12 07:22	4.00	20.00
GW0424	1202006-07	02/10/12 07:22	4.00	20.00
GW0436	1202006-09	02/10/12 07:22	4.00	20.00
GW0437	1202006-11	02/10/12 07:22	4.00	20.00
GW0382	1202022-01	02/10/12 07:22	4.00	20.00
GW0395	1202022-03	02/10/12 07:22	4.00	20.00
GW0435	1202022-05	02/10/12 07:22	4.00	20.00
GW0497	1202022-07	02/10/12 07:22	4.00	20.00
Blank	2B10008-BLK1	02/10/12 07:22	20.00	20.00
LCS	2B10008-BS1	02/10/12 07:22	20.00	20.00
GW0409	2B10008-MS1	02/10/12 07:22	4.00	20.00
GW0409	2B10008-MSD1	02/10/12 07:22	4.00	20.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B13006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0409	1202006-01	02/13/12 07:56	25.00	25.00
GW0422	1202006-03	02/13/12 07:56	25.00	25.00
GW0423	1202006-05	02/13/12 07:56	25.00	25.00
GW0424	1202006-07	02/13/12 07:56	25.00	25.00
GW0436	1202006-09	02/13/12 07:56	25.00	25.00
GW0437	1202006-11	02/13/12 07:56	25.00	25.00
GW0395	1202022-03	02/13/12 07:56	25.00	25.00
GW0435	1202022-05	02/13/12 07:56	25.00	25.00
Blank	2B13006-BLK1	02/13/12 07:56	25.00	25.00
LCS	2B13006-BS1	02/13/12 07:56	5.00	25.00
GW0409	2B13006-MS1	02/13/12 07:56	22.50	25.00
GW0409	2B13006-MSD1	02/13/12 07:56	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B13007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0411	1201196-01	02/13/12 08:07	100.00	100.00
GW0465	1201196-03	02/13/12 08:07	100.00	100.00
GW0473	1201196-05	02/13/12 08:07	100.00	100.00
GW0474	1201196-07	02/13/12 08:07	100.00	100.00
GW0494	1201196-09	02/13/12 08:07	100.00	100.00
GW0495	1201196-11	02/13/12 08:07	100.00	100.00
GW0409	1202006-01	02/13/12 08:07	100.00	100.00
GW0422	1202006-03	02/13/12 08:07	100.00	100.00
GW0423	1202006-05	02/13/12 08:07	100.00	100.00
GW0424	1202006-07	02/13/12 08:07	100.00	100.00
GW0436	1202006-09	02/13/12 08:07	100.00	100.00
GW0437	1202006-11	02/13/12 08:07	100.00	100.00
GW0382	1202022-01	02/13/12 08:07	100.00	100.00
GW0395	1202022-03	02/13/12 08:07	100.00	100.00
GW0435	1202022-05	02/13/12 08:07	100.00	100.00
GW0497	1202022-07	02/13/12 08:07	100.00	100.00
GW0496	1202028-09	02/13/12 08:07	100.00	100.00
Blank	2B13007-BLK1	02/13/12 08:07	100.00	100.00
LCS	2B13007-BS1	02/13/12 08:07	100.00	100.00
GW0409	2B13007-MS1	02/13/12 08:07	100.00	100.00
GW0409	2B13007-MSD1	02/13/12 08:07	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B13015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0400	1202028-01	02/13/12 10:12	4.00	20.00
GW0401	1202028-03	02/13/12 10:12	4.00	20.00
GW0420	1202028-05	02/13/12 10:12	4.00	20.00
GW0421	1202028-07	02/13/12 10:12	4.00	20.00
GW0496	1202028-09	02/13/12 10:12	4.00	20.00
Blank	2B13015-BLK1	02/13/12 10:12	20.00	20.00
LCS	2B13015-BS1	02/13/12 10:12	20.00	20.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B14007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0382	1202022-01	02/14/12 07:39	25.00	25.00
GW0497	1202022-07	02/14/12 07:39	25.00	25.00
GW0400	1202028-01	02/14/12 07:39	25.00	25.00
GW0401	1202028-03	02/14/12 07:39	25.00	25.00
GW0420	1202028-05	02/14/12 07:39	25.00	25.00
GW0421	1202028-07	02/14/12 07:39	25.00	25.00
GW0496	1202028-09	02/14/12 07:39	25.00	25.00
Blank	2B14007-BLK1	02/14/12 07:39	25.00	25.00
LCS	2B14007-BS1	02/14/12 07:39	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_042

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

Batch: 2B15006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0400	1202028-01	02/15/12 07:41	100.00	100.00
GW0401	1202028-03	02/15/12 07:41	100.00	100.00
GW0420	1202028-05	02/15/12 07:41	100.00	100.00
GW0421	1202028-07	02/15/12 07:41	100.00	100.00
Blank	2B15006-BLK1	02/15/12 07:41	100.00	100.00
LCS	2B15006-BS1	02/15/12 07:41	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2B09007-BS1	020912-003	02/09/12 10:00
Blank	2B09007-BLK1	020912-004	02/09/12 10:10
GW0495	2B09007-MS1	020912-005	02/09/12 10:15
GW0495	2B09007-MSD1	020912-006	02/09/12 10:32
LCS	2B13006-BS1	021312-003	02/13/12 12:03
Blank	2B13006-BLK1	021312-004	02/13/12 12:25
GW0409	2B13006-MS1	021312-005	02/13/12 12:35
GW0409	2B13006-MSD1	021312-006	02/13/12 13:00
LCS	2B14007-BS1	021412-003	02/14/12 09:36
Blank	2B14007-BLK1	021412-004	02/14/12 09:49

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_042

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2B02016-BLK1	020212-004	02/02/12 17:01
LCS	2B02016-BS1	020212-002	02/02/12 17:02
LCS Dup	2B02016-BSD1	020212-003	02/02/12 17:03
Blank	2B03422-BLK1	020312-004	02/03/12 15:00
LCS	2B03422-BS1	020312-002	02/03/12 15:00
LCS Dup	2B03422-BSD1	020312-003	02/03/12 15:00
LCS	2B06020-BS1	020612-002	02/06/12 13:15
Blank	2B06020-BLK1	020612-003	02/06/12 13:16
GW0409	2B06020-MS1	020612-005	02/06/12 13:17
GW0409	2B06020-MSD1	020612-006	02/06/12 13:18
LCS	2B07023-BS1	020712-002	02/07/12 13:00
LCS Dup	2B07023-BSD1	020712-003	02/07/12 13:01
Blank	2B07023-BLK1	020712-004	02/07/12 13:02
LCS	2B09017-BS1	020912-002	02/09/12 16:40
LCS Dup	2B09017-BSD1	020912-003	02/09/12 16:41
Blank	2B09017-BLK1	020912-004	02/09/12 16:42

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1L33502	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1L33502-CAL1	112911-003	11/29/11 18:23
Cal Standard	1L33502-CAL2	112911-004	11/29/11 18:40
Cal Standard	1L33502-CAL3	112911-005	11/29/11 18:57
Cal Standard	1L33502-CAL4	112911-006	11/29/11 19:15
Cal Standard	1L33502-CAL5	112911-007	11/29/11 19:32
Cal Standard	1L33502-CAL6	112911-008	11/29/11 19:50
Cal Standard	1L33502-CAL7	112911-009	11/29/11 20:07
Cal Standard	1L33502-CAL8	112911-010	11/29/11 20:24
Initial Cal Check	1L33502-ICV1	112911-011	11/29/11 20:42
Initial Cal Blank	1L33502-ICB1	112911-012	11/29/11 20:59

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03305	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03305-CCV1	020112-003	02/01/12 16:26
Calibration Blank	2B03305-CCB1	020112-004	02/01/12 16:43
Instrument RL Check	2B03305-CRL1	020112-005	02/01/12 17:00
LCS	2B01017-BS1	020112-008	02/01/12 17:53
Blank	2B01017-BLK1	020112-009	02/01/12 18:10
Calibration Check	2B03305-CCV2	020112-020	02/01/12 21:22
Calibration Blank	2B03305-CCB2	020112-021	02/01/12 21:39
GW0422	1202006-03	020112-022	02/01/12 21:56
GW0423	1202006-05	020112-023	02/01/12 22:14
GW0424	1202006-07	020112-024	02/01/12 22:31
GW0436	1202006-09	020112-025	02/01/12 22:49
GW0437	1202006-11	020112-026	02/01/12 23:06
GW0409	1202006-01	020112-027	02/01/12 23:24
GW0409	2B01017-MS2	020112-028	02/01/12 23:41
GW0409	2B01017-MSD2	020112-029	02/01/12 23:58
GW0409	2B01017-DUP2	020112-030	02/02/12 00:16
Calibration Check	2B03305-CCV3	020112-031	02/02/12 00:33
Calibration Blank	2B03305-CCB3	020112-032	02/02/12 00:51

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03424	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03424-CCV1	013112-003	01/31/12 15:57
Calibration Blank	2B03424-CCB1	013112-004	01/31/12 16:14
Instrument RL Check	2B03424-CRL1	013112-005	01/31/12 16:32
LCS	2A31016-BS1	013112-008	01/31/12 17:24
Blank	2A31016-BLK1	013112-009	01/31/12 17:41
GW0411	1201196-01	013112-012	01/31/12 18:34
GW0465	1201196-03	013112-013	01/31/12 18:51
GW0473	1201196-05	013112-014	01/31/12 19:08
GW0474	1201196-07	013112-015	01/31/12 19:26
GW0494	1201196-09	013112-016	01/31/12 19:43
GW0495	1201196-11	013112-017	01/31/12 20:01
GW0495	2A31016-MS1	013112-018	01/31/12 20:18
GW0495	2A31016-MSD1	013112-019	01/31/12 20:35
GW0495	2A31016-DUP1	013112-020	01/31/12 20:53
Calibration Check	2B03424-CCV2	013112-025	01/31/12 22:20
Calibration Blank	2B03424-CCB2	013112-026	01/31/12 22:37

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03812	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03812-CCV1	020312-003	02/03/12 13:26
Calibration Blank	2B03812-CCB1	020312-004	02/03/12 13:44
Instrument RL Check	2B03812-CRL1	020312-005	02/03/12 14:01
LCS	2B03421-BS1	020312-008	02/03/12 14:54
Blank	2B03421-BLK1	020312-009	02/03/12 15:11
GW0382	1202022-01	020312-012	02/03/12 16:03
GW0395	1202022-03	020312-013	02/03/12 16:21
GW0435	1202022-05	020312-014	02/03/12 16:38
GW0497	1202022-07	020312-015	02/03/12 16:55
GW0400	1202028-01	020312-016	02/03/12 17:13
GW0400	2B03421-MS1	020312-017	02/03/12 17:30
GW0400	2B03421-MSD1	020312-018	02/03/12 17:48
GW0400	2B03421-DUP1	020312-019	02/03/12 18:05
Calibration Check	2B03812-CCV2	020312-020	02/03/12 18:22
Calibration Blank	2B03812-CCB2	020312-021	02/03/12 18:40
GW0401	1202028-03	020312-022	02/03/12 18:57
GW0420	1202028-05	020312-023	02/03/12 19:15
GW0421	1202028-07	020312-024	02/03/12 19:32
GW0496	1202028-09	020312-025	02/03/12 19:49
Calibration Check	2B03812-CCV3	020312-026	02/03/12 20:07
Calibration Blank	2B03812-CCB3	020312-027	02/03/12 20:24

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04103	Instrument:	WC-Lachat
Calibration:	2041002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04103-CAL1	M_2-10-2012_08-59-03AM-00	02/10/12 09:00
Cal Standard	2B04103-CAL2	M_2-10-2012_08-59-03AM-00	02/10/12 09:01
Cal Standard	2B04103-CAL3	M_2-10-2012_08-59-03AM-00	02/10/12 09:02
Cal Standard	2B04103-CAL4	M_2-10-2012_08-59-03AM-00	02/10/12 09:04
Cal Standard	2B04103-CAL5	M_2-10-2012_08-59-03AM-00	02/10/12 09:05
Cal Standard	2B04103-CAL6	M_2-10-2012_08-59-03AM-00	02/10/12 09:07
Cal Standard	2B04103-CAL7	M_2-10-2012_08-59-03AM-00	02/10/12 09:08
Cal Standard	2B04103-CAL8	M_2-10-2012_08-59-03AM-00	02/10/12 09:10
Initial Cal Check	2B04103-ICV1	M_2-10-2012_08-59-03AM-00	02/10/12 09:11
Initial Cal Blank	2B04103-ICB1	M_2-10-2012_08-59-03AM-01	02/10/12 09:13
Blank	2B10008-BLK1	M_2-10-2012_08-59-03AM-01	02/10/12 09:16
LCS	2B10008-BS1	M_2-10-2012_08-59-03AM-01	02/10/12 09:17
GW0411	1201196-01	M_2-10-2012_08-59-03AM-01	02/10/12 09:18
GW0465	1201196-03	M_2-10-2012_08-59-03AM-01	02/10/12 09:20
GW0473	1201196-05	M_2-10-2012_08-59-03AM-01	02/10/12 09:21
GW0474	1201196-07	M_2-10-2012_08-59-03AM-01	02/10/12 09:23
GW0494	1201196-09	M_2-10-2012_08-59-03AM-01	02/10/12 09:24
GW0495	1201196-11	M_2-10-2012_08-59-03AM-01	02/10/12 09:26
GW0409	1202006-01	M_2-10-2012_08-59-03AM-02	02/10/12 09:27
GW0409	2B10008-MS1	M_2-10-2012_08-59-03AM-02	02/10/12 09:29
GW0409	2B10008-MSD1	M_2-10-2012_08-59-03AM-02	02/10/12 09:30
GW0422	1202006-03	M_2-10-2012_08-59-03AM-02	02/10/12 09:31
GW0423	1202006-05	M_2-10-2012_08-59-03AM-02	02/10/12 09:33
GW0424	1202006-07	M_2-10-2012_08-59-03AM-02	02/10/12 09:34
Calibration Check	2B04103-CCV1	M_2-10-2012_08-59-03AM-02	02/10/12 09:36
Calibration Blank	2B04103-CCB1	M_2-10-2012_08-59-03AM-02	02/10/12 09:37
GW0436	1202006-09	M_2-10-2012_08-59-03AM-02	02/10/12 09:39
GW0437	1202006-11	M_2-10-2012_08-59-03AM-02	02/10/12 09:40
GW0382	1202022-01	M_2-10-2012_08-59-03AM-03	02/10/12 09:43
GW0395	1202022-03	M_2-10-2012_08-59-03AM-03	02/10/12 09:45
GW0435	1202022-05	M_2-10-2012_08-59-03AM-03	02/10/12 09:46
GW0497	1202022-07	M_2-10-2012_08-59-03AM-03	02/10/12 09:47

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04103	Instrument:	WC-Lachat
Calibration:	2041002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04103-CCV2	M_2-10-2012_08-59-03AM-03	02/10/12 09:50
Calibration Blank	2B04103-CCB2	M_2-10-2012_08-59-03AM-03	02/10/12 09:52

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04406	Instrument:	WC-Lachat
Calibration:	2044001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04406-CAL1	M_2-13-2012_11-26-00AM-00	02/13/12 11:28
Cal Standard	2B04406-CAL2	M_2-13-2012_11-26-00AM-00	02/13/12 11:29
Cal Standard	2B04406-CAL3	M_2-13-2012_11-26-00AM-00	02/13/12 11:30
Cal Standard	2B04406-CAL4	M_2-13-2012_11-26-00AM-00	02/13/12 11:32
Cal Standard	2B04406-CAL5	M_2-13-2012_11-26-00AM-00	02/13/12 11:33
Cal Standard	2B04406-CAL6	M_2-13-2012_11-26-00AM-00	02/13/12 11:35
Cal Standard	2B04406-CAL7	M_2-13-2012_11-26-00AM-00	02/13/12 11:36
Cal Standard	2B04406-CAL8	M_2-13-2012_11-26-00AM-00	02/13/12 11:38
Initial Cal Check	2B04406-ICV1	M_2-13-2012_11-26-00AM-00	02/13/12 11:39
Initial Cal Blank	2B04406-ICB1	M_2-13-2012_11-26-00AM-01	02/13/12 11:41
Blank	2B13015-BLK1	M_2-13-2012_11-26-00AM-01	02/13/12 11:44
LCS	2B13015-BS1	M_2-13-2012_11-26-00AM-01	02/13/12 11:45
GW0400	1202028-01	M_2-13-2012_11-26-00AM-01	02/13/12 11:46
GW0401	1202028-03	M_2-13-2012_11-26-00AM-01	02/13/12 11:48
GW0420	1202028-05	M_2-13-2012_11-26-00AM-01	02/13/12 11:49
GW0421	1202028-07	M_2-13-2012_11-26-00AM-01	02/13/12 11:51
GW0496	1202028-09	M_2-13-2012_11-26-00AM-01	02/13/12 11:52
Calibration Check	2B04406-CCV1	M_2-13-2012_11-26-00AM-02	02/13/12 12:01
Calibration Blank	2B04406-CCB1	M_2-13-2012_11-26-00AM-02	02/13/12 12:02

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04612	Instrument:	WC-Lachat
Calibration:	2046002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04612-CAL1	M_2-15-2012_12-13-33PM-00	02/15/12 12:14
Cal Standard	2B04612-CAL2	M_2-15-2012_12-13-33PM-00	02/15/12 12:15
Cal Standard	2B04612-CAL3	M_2-15-2012_12-13-33PM-00	02/15/12 12:16
Cal Standard	2B04612-CAL4	M_2-15-2012_12-13-33PM-00	02/15/12 12:17
Cal Standard	2B04612-CAL5	M_2-15-2012_12-13-33PM-00	02/15/12 12:18
Cal Standard	2B04612-CAL6	M_2-15-2012_12-13-33PM-00	02/15/12 12:19
Cal Standard	2B04612-CAL7	M_2-15-2012_12-13-33PM-00	02/15/12 12:20
Initial Cal Check	2B04612-ICV1	M_2-15-2012_12-13-33PM-00	02/15/12 12:21
Cal Standard	2B04612-CAL8	M_2-15-2012_12-13-33PM-00	02/15/12 12:21
Initial Cal Blank	2B04612-ICB1	M_2-15-2012_12-13-33PM-01	02/15/12 12:22
Blank	2B13007-BLK1	M_2-15-2012_12-13-33PM-01	02/15/12 12:23
LCS	2B13007-BS1	M_2-15-2012_12-13-33PM-01	02/15/12 12:24
GW0411	1201196-01	M_2-15-2012_12-13-33PM-01	02/15/12 12:25
GW0465	1201196-03	M_2-15-2012_12-13-33PM-01	02/15/12 12:26
GW0473	1201196-05	M_2-15-2012_12-13-33PM-01	02/15/12 12:27
GW0474	1201196-07	M_2-15-2012_12-13-33PM-01	02/15/12 12:28
GW0494	1201196-09	M_2-15-2012_12-13-33PM-01	02/15/12 12:29
GW0495	1201196-11	M_2-15-2012_12-13-33PM-01	02/15/12 12:30
GW0409	1202006-01	M_2-15-2012_12-13-33PM-01	02/15/12 12:31
GW0409	2B13007-MS1	M_2-15-2012_12-13-33PM-02	02/15/12 12:32
GW0409	2B13007-MSD1	M_2-15-2012_12-13-33PM-02	02/15/12 12:33
GW0422	1202006-03	M_2-15-2012_12-13-33PM-02	02/15/12 12:34
GW0423	1202006-05	M_2-15-2012_12-13-33PM-02	02/15/12 12:35
GW0424	1202006-07	M_2-15-2012_12-13-33PM-02	02/15/12 12:36
Calibration Check	2B04612-CCV1	M_2-15-2012_12-13-33PM-02	02/15/12 12:37
Calibration Blank	2B04612-CCB1	M_2-15-2012_12-13-33PM-02	02/15/12 12:38
GW0436	1202006-09	M_2-15-2012_12-13-33PM-02	02/15/12 12:39
GW0437	1202006-11	M_2-15-2012_12-13-33PM-02	02/15/12 12:39
GW0382	1202022-01	M_2-15-2012_12-13-33PM-02	02/15/12 12:40
GW0395	1202022-03	M_2-15-2012_12-13-33PM-03	02/15/12 12:41
GW0435	1202022-05	M_2-15-2012_12-13-33PM-03	02/15/12 12:42
GW0497	1202022-07	M_2-15-2012_12-13-33PM-03	02/15/12 12:43

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04612	Instrument:	WC-Lachat
Calibration:	2046002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0496	1202028-09	M_2-15-2012_12-13-33PM-03	02/15/12 12:44
Calibration Check	2B04612-CCV2	M_2-15-2012_12-13-33PM-03	02/15/12 12:48
Calibration Blank	2B04612-CCB2	M_2-15-2012_12-13-33PM-03	02/15/12 12:49

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_042
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04707	Instrument:	WC-Lachat
Calibration:	2047002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04707-CAL1	M_2-16-2012_01-18-04PM-00	02/16/12 13:19
Cal Standard	2B04707-CAL2	M_2-16-2012_01-18-04PM-00	02/16/12 13:20
Cal Standard	2B04707-CAL3	M_2-16-2012_01-18-04PM-00	02/16/12 13:21
Cal Standard	2B04707-CAL4	M_2-16-2012_01-18-04PM-00	02/16/12 13:22
Cal Standard	2B04707-CAL5	M_2-16-2012_01-18-04PM-00	02/16/12 13:23
Cal Standard	2B04707-CAL6	M_2-16-2012_01-18-04PM-00	02/16/12 13:24
Cal Standard	2B04707-CAL7	M_2-16-2012_01-18-04PM-00	02/16/12 13:25
Cal Standard	2B04707-CAL8	M_2-16-2012_01-18-04PM-00	02/16/12 13:26
Initial Cal Check	2B04707-ICV1	M_2-16-2012_01-18-04PM-00	02/16/12 13:27
Initial Cal Blank	2B04707-ICB1	M_2-16-2012_01-18-04PM-01	02/16/12 13:28
Blank	2B15006-BLK1	M_2-16-2012_01-18-04PM-01	02/16/12 13:28
LCS	2B15006-BS1	M_2-16-2012_01-18-04PM-01	02/16/12 13:29
GW0400	1202028-01	M_2-16-2012_01-18-04PM-01	02/16/12 13:30
GW0401	1202028-03	M_2-16-2012_01-18-04PM-01	02/16/12 13:31
GW0420	1202028-05	M_2-16-2012_01-18-04PM-01	02/16/12 13:32
GW0421	1202028-07	M_2-16-2012_01-18-04PM-01	02/16/12 13:33
Calibration Check	2B04707-CCV1	M_2-16-2012_01-18-04PM-02	02/16/12 13:42
Calibration Blank	2B04707-CCB1	M_2-16-2012_01-18-04PM-02	02/16/12 13:43