ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_058

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

SUBMITTAL TO:
Pamela Moss
SHAW E&I, Inc.
9201 East Dry Creek
Centennial, CO 80112

SUBMITTAL BY:
Empirical Laboratories, LLC (EL)
621 Mainstream Drive, Suite 270
Nashville, TN 37228
Tel (615)345-1115
Fax (866)417-0548

LABORATORY CONTACT PERSON:
Project Manager: Jennifer Chandler
Tel (615)345-1115
Fax (866)417-0548
Email: jchandler@empirlabs.com

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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

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

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

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

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

SW8260B:
Note – Sample 1207152-17 was analyzed at a 5x only due to sample foaming during screening.

The following batch spikes exceeded criteria:
2G31016-BS1 with a negative bias for 2,2-Dichloropropane

The following matrix spikes exceeded criteria:
2G27013-MS1/MSD1 (1207130-05) with a positive bias for Vinyl Chloride
2G27013-MS2/MSD2 (1207138-07) with a positive bias for Vinyl Chloride

The following were analyzed outside the 12 hour tune time:
2G27013-MS2 12 hours 2 minutes
2G27013-MSD2 12 hours 31 minutes

The following continuing calibration verifications exceeded criteria:
2G21203-CCV1 with a negative bias for Hexachlorobutadiene and with a positive bias for 4-Methyl-2-pentanone and Vinyl Chloride
2H21401-CCV1 with a positive bias for Acetone and 2-Butanone
2H21505-CCV1 with a negative bias for Acetone, Chloromethane, Hexachlorobutadiene, Methylene Chloride, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene

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

SW8270D BNA:
The following surrogates exceeded criteria:
2-Fluorophenol with a negative bias in 1207138-03 and -05

The following batch spikes exceeded criteria:
2G23012-BS1/BSD1 with a negative bias for Atrazine, 2-Chloronaphthalene, Dibenzofuran, Isophorone, and 2-Methylnaphthalene and exceeded relative percent difference criteria for Benzidine

The following matrix spikes exceeded criteria:
2G27016-MS2/MSD2 (1207138-07) with a positive bias for Acetophenone, Carbazole, Bis(chloroethoxy)methane, Di-n-butylphthalate, and 1,2-Diphenylhydrazine and with a negative bias for 2,4-Dimethylphenol and 3,3'-Dichlorobenzidine, and exceeded relative percent difference criteria for 3,3'-Dichlorobenzidine

The following continuing calibration verifications exceeded criteria:
2H21507-CCV1 with a positive bias for Benzo(b)fluoranthene and 2,2'-Oxybis-1-chloropropane
2H22112-CCV1 with a positive bias for Benzo(k)fluoranthene and

2,2'-Oxybis-1-chloropropane
2H22605-CCV1 with a negative bias for Benzoic Acid and with a positive bias for 2,2'-Oxybis-1-chloropropane

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

SW8015B DRO:
The following matrix spikes exceeded criteria:
2G26019-MS2/MSD2 (1207138-07RE1) with a positive bias for Diesel Range Organics; note – the parent sample concentration is greater than 4 times the amount spiked

The following continuing calibration verifications exceeded criteria:
2H21607-CCV3 with a positive bias for Diesel Range Organics and o-Terphenyl
2H22010-CCV2 with a positive bias for Diesel Range Organics
2H22010-CCV3 with a positive bias for Diesel Range Organics

The following surrogates exceeded the retention time window:
o-Terphenyl in 2G31010-BSD1, 1207152-01, -03, -05, -07, -09, -11, -13, -15, -17, 1207130-05, 1207138-09, 2G25004-MS1, 2H21605-CCV2, 2H21607-CCV2, and 2H22010-CCV2; note – the result bias due to the retention time shift was determined to be negligible for all affected samples and QC

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

SW8015B GRO:
The following surrogates exceeded criteria:
Bromofluorobenzene with a positive bias in 1207138-01, -03, -05, -09, -11, -15, 2G26008-BLK1, 2G27012-BLK1, and –MS1

The following continuing calibration verifications exceeded criteria:
2G20914-CCV1 with a positive bias for Bromofluorobenzene
2G20914-CCV2 with a positive bias for Bromofluorobenzene
2G21210-CCV1 with a positive bias for Bromofluorobenzene
2G21210-CCV2 with a positive bias for Bromofluorobenzene and Gasoline Range Organics
2G21210-CCV3 with a positive bias for Bromofluorobenzene

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

SW8011:
The following batch spikes exceeded criteria:
2H01013-BS1 with a negative bias for 1,2-Dibromoethane on column 1

The following matrix spikes exceeded criteria:
2G26010-MS2 (1207130-05) with a negative bias on column 1 for 1,2-Dibromoethane

The following continuing calibration verifications exceeded criteria:
2H21613-CCV1 with a negative bias on column 1 for 1,2-Dibromoethane and 1,3-Dibromopropane
2H21613-CCV2 with a negative bias on column 1 for 1,2-Dibromoethane and a negative bias on both columns for 1,3-Dibromopropane
2H21613-CCV3 with a negative bias on column 1 for 1,2-Dibromoethane

The following surrogates exceeded criteria:
1,3-Dibromopropane in 1207138-07RE1, 2H01013-MS2, and –MSD2; note – the surrogates were diluted out on both columns

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

SW6010B:
The following compounds are qualified with an M to indicate that the LOD and/or DL were raised due to interference:
Lead in 1207152-07 and -09

The following continuing calibration verifications exceeded criteria:
2H21510-CCV4 with a positive bias for Magnesium
2H21510-CCV6 with a negative bias for Iron (dissolved)
2H21510-CCV8 with a positive bias for Iron (dissolved)

The following blanks have reported results:
2H21405-CCB7 for Lead; note – no positive results for Lead were detected in the associated samples
2G27007-BLK2 for Lead; note – no positive results for Lead were detected in the associated samples

The following matrix spikes exceeded criteria:
2G27006-MS1 (1207130-05) for Calcium; note – the parent sample concentration for Calcium are greater than 4 times the amount spiked
2G27006-MS1 (1207138-07) for Calcium; note – the parent sample concentration for Calcium are greater than 4 times the amount spiked

The following serial dilution exceeded % difference criteria:

2H01016-DUP1 (1207138-08) for Manganese (dissolved)

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

Wet Chemistry:
The following compounds are qualified with an M to indicate that the LOQ was raised to the level of the reporting limit standard within criteria:
Sulfate as SO4 (2.5 mg/L) in 1207130-01, -03, -05, -07, -09, -11, -13, -15, 1207138-01, -03, -05, -07, -09, -11, -13, 1207152-01, -03, -05, -07, -09, -11, -13, -15, and -17
Chloride (2.5 mg/L) 1207130-01, -03, -05, -07, -09, -11, -13, -15, 1207138-01, -03, -05, -07, -09, -11, and -13

The following blanks have reported results:
2H22802-CCB2 for Sulfate as SO4
2H22802-CCB3 for Sulfate as SO4
2H22802-CCB4 for Sulfate as SO4 and Chloride
Note – the concentrations for Sulfate as SO4 and Chloride in the associated samples are greater than 10x the concentration in the blanks

The following matrix spikes exceeded criteria:
2H10015-MS1/MSD1 (1207130-05) with a positive bias for Nitrate/Nitrite as N

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

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

Analytical Report Terms and Qualifiers

DL: The detection limit (DL) 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 DL is supported by the method detection limit (MDL) which is determined from analysis of a sample containing the analyte in a given matrix.

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.

*****: Exceeding quality control criteria are 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 LOQ. One should feel confident that the result is greater than zero and less than the LOQ.

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 DL/LOD/LOQ have 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 relative percent difference (RPD) and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard exceeded 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

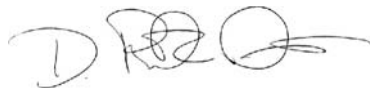
BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch 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, the Data Quality Manager, Technical Directors or Project Managers are 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

1207130

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW216

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

Samples Shipment Date: 24 JUL 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618585

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: 7/24/12 Time: 1600
1. Received By (Signature/Affiliation) — Date: Time:
2. Relinquished By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) Jack Deville Jr. — Date: 7-25-12 Time: 0820

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1207130

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW216

	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	GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0664	KAFB-106038-WG-GW0664-REG	24 JUL 2012	12:38	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0666	KAFB-106040-WG-GW0666-REG	24 JUL 2012	10:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0671	KAFB-106027-WG-GW0671-REG	23 JUL 2012	14:38	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1207130

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW216

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
05	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
06	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0671-MS	KAFB-106027-WG-GW0671-MS-MS	23 JUL 2012	14:38	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0671-MSD	KAFB-106027-WG-GW0671-MSD-MSD	23 JUL 2012	14:38	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
07	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0673	KAFB-106045-WG-GW0673-REG	23 JUL 2012	10:14	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		

1207130

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW216

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
09	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0717	KAFB-106085-WG-GW0717-REG	23 JUL 2012	15:52	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
12	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0718	KAFB-106086-WG-GW0718-REG	23 JUL 2012	13:42	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
13	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
14	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW216

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								SW846 6010C					
13	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0719	KAFB-106087-WG-GW0719-REG	23 JUL 2012	11:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
15	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
16	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0742	KAFB-106104-WG-GW0742-REG	24 JUL 2012	10:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
17	GW8216-TB	FIELDQC-BW-GW8216-TB-TB	23 JUL 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 07/25/12 @ 0820

1. Tracking #_8585_(last 4 digits, FedEx) WO# 1207130

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.1 Degrees Celsius + correction factor - 0.2 = 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) _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/25/12 @ 0820

1. Tracking # 8596 (last 4 digits, FedEx) WO# 1207130

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.2 *Degrees Celsius + correction factor - 0.2* = 3.0

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/25/12 @ 0820

1. Tracking # 8600 (last 4 digits, FedEx) WO# 1207130

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.0 *Degrees Celsius + correction factor - 0.2* = 1.8

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

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

If yes, how many and where: 1 FRONT

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

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

I certify that I opened the cooler and answered questions 1-6 (intial) 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_ 07/25/12 @ 0820

1. Tracking # 8611 (last 4 digits, FedEx) WO# 1207130

Courier: ___FED-EX

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

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

4. Were custody seals on outside of cooler? YES...NO...NA JD 7-25-12

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/25/12 @ 0820

1. Tracking # 8633 (last 4 digits, FedEx) WO# 1207130

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 - FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/25/12 @ 0820

1. Tracking # 8622 (last 4 digits, FedEx) WO# 1207130

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 15 *Degrees Celsius + correction factor - 0.2* = 13

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 6

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

1207138

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW217

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

Samples Shipment Date: 25 JUL 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618644

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) [signature] Date: 7/25/12 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) jack deville Date: 7-26-12 Time: 0820

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW217

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0665	KAFB-106039-WG-GW0665-REG	24 JUL 2012	14:35	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0684	KAFB-106055-WG-GW0684-REG	25 JUL 2012	10:18	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0692	KAFB-106063-WG-GW0692-REG	25 JUL 2012	10:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

Kirtland 059 Survey Package

1207138

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW217

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0693	KAFB-106064-WG-GW0693-REG	25 JUL 2012	12:07	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0693-MS	KAFB-106064-WG-GW0693-MS-MS	25 JUL 2012	12:07	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0693-MSD	KAFB-106064-WG-GW0693-MSD-MSD	25 JUL 2012	12:07	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW217

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
09	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
10	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0703	KAFB-106072-WG-GW0703-REG	25 JUL 2012	13:15	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
11	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0740	KAFB-106023-WG-GW0740-REG	24 JUL 2012	14:19	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
13	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
14	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	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-GW217

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	250 mL HDPE	1	Zinc Acetate and NaOH>	Ammonia by SM4500B Sulfide by SM4500S-2CF			N		
↓	GW0741	KAFB-106103-WG-GW0741-REG	24 JUL 2012	16:34	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
15	GW8217-TB	FIELDQC-BW-GW8217-TB-TB	25 JUL 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 07/26/12 @ 0820

1. Tracking # 8644 (last 4 digits, FedEx) WO# 1207138

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius + correction factor - 0.2* = 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) 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 * JD 7-26-12

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:

~~* Missing 3 40mL vials [HCl] for Sample: GW0692~~ JD 7-26-12

Sample found

Cooler Received/Opened On_ 07/26/12 @ 0820

1. Tracking # 8666 (last 4 digits, FedEx) WO# 1207138

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 36 Degrees Celsius + correction factor - 0.2 = 3.4

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/26/12 @ 0820

1. Tracking # 8677 (last 4 digits, FedEx) WO# 1207138

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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_ 07/26/12 @ 0820

1. Tracking # 8688 (last 4 digits, FedEx) WO# 1207138

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.7 *Degrees Celsius + correction factor* - 0.2 = 2.5

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/26/12 @ 0820

1. Tracking #_8655_(last 4 digits, FedEx) WO# 1207138

JD 7-26-12

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.3 Degrees Celsius + correction factor - 0.2 = ~~2.2~~ 2.1

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

1207152

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW218

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

Samples Shipment Date: 26 JUL 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618703

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: 7-26-12 Time: 1600
1. Received By (Signature/Affiliation) Date: Time:
2. Relinquished By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) jack detille jr. Date: 7-27-12 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 GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW218

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
02	GW0674	KAFB-106046-WG-GW0674-REG	26 JUL 2012	14:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
04	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0675	KAFB-106047-WG-GW0675-REG	26 JUL 2012	12:18	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
05	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
06	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0676	KAFB-106048-WG-GW0676-REG	26 JUL 2012	10:14	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
07	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW218

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0681	KAFB-106052-WG-GW0681-REG	26 JUL 2012	14:42	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
10	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0682	KAFB-106053-WG-GW0682-REG	26 JUL 2012	12:39	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
12	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0683	KAFB-106054-WG-GW0683-REG	25 JUL 2012	10:29	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW218

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
14	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0690	KAFB-106062-WG-GW0690-REG	25 JUL 2012	15:27	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
15	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
16	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0691	KAFB-106062-WG-GW0691-FD	25 JUL 2012	15:27	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
17	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
18	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

1207152

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW218

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
17	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0700	KAFB-106070-WG-GW0700-REG	25 JUL 2012	15:39	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
19	GW8218-TB	FIELDQC-BW-GW8218-TB-TB	26 JUL 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 07/27/12 @ 0830

1. Tracking # 8703 (last 4 digits, FedEx) WO# 1207152

Courier: ____FedEx

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

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

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

If yes, how many and where: NA

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/27/12 @ 0830

1. Tracking # 8714 (last 4 digits, FedEx) WO# 1207152

Courier: ____FedEx

2. Temperature of rep. sample or temp blank when opened: 3.8 *Degrees Celsius + correction factor -0.2* = 3.6

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/27/12 @ 0830

WO# 1207152

1. Tracking # 8725 (last 4 digits, FedEx)

Courier: ____FedEx

2. Temperature of rep. sample or temp blank when opened: 3.0 *Degrees Celsius + correction factor* -0.2 = 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: 2 Front + Back.

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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_ 07/27/12 @ 0830

1. Tracking # 8736 (last 4 digits, FedEx) WO# 1207152

Courier: ____FedEx

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/27/12 @ 0830

1. Tracking # 8747 (last 4 digits, FedEx) WO# 1207152

Courier: ____FedEx

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

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

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

If yes, how many and where: 2 Front + Back

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

WORK ORDER

Printed: 7/25/2012 4:34:59PM

1207130

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 08/15/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 07/25/2012 08:20
Logged In By: Jack Deville
Date Logged In: 07/25/2012 10:35

Samples Received at: **2.9°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1207130-01 GW0664 [Water] Sampled 07/24/2012 12:38 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/21/2012 13:38	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/20/2013 13:38	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/21/2012 13:38	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/21/2012 13:38	
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/07/2012 13:38	carb/bicarb
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/07/2012 13:38	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/07/2012 13:38	
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/31/2012 13:38	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/07/2012 13:38	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/31/2012 13:38	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/31/2012 13:38	
1207130-02 GW0664 [Water] Sampled 07/24/2012 12:38 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/20/2013 13:38	Fe & Mn

1207130

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
1207130-03 GW0666 [Water] Sampled 07/24/2012 10:22 Mountain 'Client Sample'					
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/31/2012 11:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/07/2012 11:22	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/31/2012 11:22	
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/21/2012 11:22	
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/21/2012 11:22	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/21/2012 11:22	
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/07/2012 11:22	
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/07/2012 11:22	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/31/2012 11:22	
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/20/2013 11:22	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/07/2012 11:22	naphthalene must be reported
1207130-04 GW0666 [Water] Sampled 07/24/2012 10:22 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/20/2013 11:22	Fe & Mn
1207130-05 GW0671 [Water] Sampled 07/23/2012 14:38 Mountain 'Client Sample'					**MS/MSD**
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/06/2012 15:38	MS/MSD
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/19/2013 15:38	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/30/2012 15:38	MS/MSD
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/20/2012 15:38	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/20/2012 15:38	MS/MSD, Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/20/2012 15:38	MS/MSD
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/06/2012 15:38	MS/MSD, carb/bicarb
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/06/2012 15:38	MS/MSD, naphthalene must be reported
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/06/2012 15:38	MS/MSD, Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/30/2012 15:38	MS/MSD
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/30/2012 15:38	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
1207130-06 GW0671 [Water] Sampled 07/23/2012 14:38 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/19/2013 15:38	MS/MSD, Fe & Mn

1207130

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
1207130-07 GW0673 [Water] Sampled 07/23/2012 10:14 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/19/2013 11:14	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/30/2012 11:14	
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/20/2012 11:14	
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/20/2012 11:14	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/20/2012 11:14	
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/06/2012 11:14	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/30/2012 11:14	
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/06/2012 11:14	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/06/2012 11:14	
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/30/2012 11:14	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/06/2012 11:14	Run dilutions based on 8260 results!
1207130-08 GW0673 [Water] Sampled 07/24/2012 10:14 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/20/2013 11:14	Fe & Mn
1207130-09 GW0717 [Water] Sampled 07/23/2012 15:52 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/06/2012 16:52	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/06/2012 16:52	
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/20/2012 16:52	Cl, SO4
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/06/2012 16:52	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/30/2012 16:52	
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/30/2012 16:52	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/06/2012 16:52	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/30/2012 16:52	
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/19/2013 16:52	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/20/2012 16:52	
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/20/2012 16:52	
1207130-10 GW0717 [Water] Sampled 07/23/2012 15:52 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/19/2013 16:52	Fe & Mn

1207130

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
1207130-11 GW0718 [Water] Sampled 07/23/2012 13:42 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/20/2012 14:42	Cl, SO4
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/06/2012 14:42	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/30/2012 14:42	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/06/2012 14:42	
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/06/2012 14:42	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/19/2013 14:42	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/20/2012 14:42	
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/30/2012 14:42	
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/20/2012 14:42	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/30/2012 14:42	
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/06/2012 14:42	carb/bicarb
1207130-12 GW0718 [Water] Sampled 07/23/2012 13:42 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/19/2013 14:42	Fe & Mn
1207130-13 GW0719 [Water] Sampled 07/23/2012 11:32 Mountain 'Client Sample'					
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/30/2012 12:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/06/2012 12:32	
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/06/2012 12:32	naphthalene must be reported
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/30/2012 12:32	
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/06/2012 12:32	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/20/2012 12:32	
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/19/2013 12:32	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/20/2012 12:32	Cl, SO4
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/06/2012 12:32	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/30/2012 12:32	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/20/2012 12:32	
1207130-14 GW0719 [Water] Sampled 07/23/2012 11:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/19/2013 12:32	Fe & Mn

1207130

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
1207130-15 GW0742 [Water] Sampled 07/24/2012 10:32 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/07/2012 11:32	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/10/2012 14:00	15	08/07/2012 11:32	
SM2320B	WC_ALKALINITY_2320B	08/10/2012 14:00	15	08/07/2012 11:32	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/10/2012 14:00	15	08/21/2012 11:32	
E300.0	WC_ANIONS_300.0 (Regular)	08/10/2012 14:00	15	08/21/2012 11:32	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	08/10/2012 14:00	15	01/20/2013 11:32	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/10/2012 14:00	15	07/31/2012 11:32	
SW8011	SGC_EDB_8011	08/10/2012 14:00	15	08/07/2012 11:32	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/10/2012 14:00	15	07/31/2012 11:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	08/10/2012 14:00	15	08/21/2012 11:32	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/10/2012 14:00	15	07/31/2012 11:32	
1207130-16 GW0742 [Water] Sampled 07/23/2012 10:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/10/2012 14:00	15	01/19/2013 11:32	Fe & Mn
1207130-17 GW8216-TB [Water] Sampled 07/23/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	08/10/2012 14:00	15	08/06/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 7/30/2012 10:41:06AM

1207138

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 08/16/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville — Date Received: 07/26/2012 08:20

Logged In By: Jack Deville — Date Logged In: 07/26/2012 10:17

Samples Received at: **4.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1207138-01 GW0665 [Water] Sampled 07/24/2012 14:35 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/21/2012 15:35	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	07/31/2012 15:35	
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/21/2012 15:35	
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/20/2013 15:35	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/21/2012 15:35	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/07/2012 15:35	carb/bicarb
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/07/2012 15:35	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/07/2012 15:35	
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	07/31/2012 15:35	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/07/2012 15:35	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	07/31/2012 15:35	
1207138-02 GW0665 [Water] Sampled 07/24/2012 14:35 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/20/2013 15:35	Fe & Mn

1207138

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
1207138-03 GW0684 [Water] Sampled 07/25/2012 10:18 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	08/01/2012 11:18	
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/08/2012 11:18	
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/08/2012 11:18	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/21/2013 11:18	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	08/01/2012 11:18	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/22/2012 11:18	
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/22/2012 11:18	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/22/2012 11:18	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	08/01/2012 11:18	
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/08/2012 11:18	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/08/2012 11:18	carb/bicarb
1207138-04 GW0684 [Water] Sampled 07/25/2012 10:18 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/21/2013 11:18	Fe & Mn
1207138-05 GW0692 [Water] Sampled 07/25/2012 10:01 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/22/2012 11:01	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/22/2012 11:01	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	08/01/2012 11:01	
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/08/2012 11:01	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	08/01/2012 11:01	
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/08/2012 11:01	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/08/2012 11:01	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/22/2012 11:01	
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/08/2012 11:01	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	08/01/2012 11:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/21/2013 11:01	Ca, Pb, K, Na, Mg
1207138-06 GW0692 [Water] Sampled 07/25/2012 10:01 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/21/2013 11:01	Fe & Mn

1207138

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
1207138-07 GW0693 [Water] Sampled 07/25/2012 12:07 Mountain 'Client Sample'					**MS/MSD**
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	08/01/2012 13:07	MS/MSD
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/08/2012 13:07	MS/MSD, Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	08/01/2012 13:07	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/22/2012 13:07	MS/MSD, Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/22/2012 13:07	MS/MSD
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/21/2013 13:07	MS/MSD, Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/08/2012 13:07	MS/MSD
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/08/2012 13:07	MS/MSD, naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/08/2012 13:07	MS/MSD, carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/22/2012 13:07	MS/MSD
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	08/01/2012 13:07	MS/MSD
1207138-08 GW0693 [Water] Sampled 07/25/2012 12:07 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/21/2013 13:07	MS/MSD, Fe & Mn
1207138-09 GW0703 [Water] Sampled 07/25/2012 13:15 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/22/2012 14:15	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	08/01/2012 14:15	
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/22/2012 14:15	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/22/2012 14:15	
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/08/2012 14:15	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	08/01/2012 14:15	
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/21/2013 14:15	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	08/01/2012 14:15	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/08/2012 14:15	naphthalene must be reported
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/08/2012 14:15	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/08/2012 14:15	
1207138-10 GW0703 [Water] Sampled 07/25/2012 13:15 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/21/2013 14:15	Fe & Mn

1207138

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
1207138-11 GW0740 [Water] Sampled 07/24/2012 14:19 Mountain 'Client Sample'					
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	07/31/2012 15:19	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/20/2013 15:19	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	07/31/2012 15:19	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	07/31/2012 15:19	
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/21/2012 15:19	
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/21/2012 15:19	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/21/2012 15:19	
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/07/2012 15:19	carb/bicarb
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/07/2012 15:19	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/07/2012 15:19	
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/07/2012 15:19	Run dilutions based on 8260 results!
1207138-12 GW0740 [Water] Sampled 07/24/2012 14:19 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/20/2013 15:19	Fe & Mn
1207138-13 GW0741 [Water] Sampled 07/24/2012 16:34 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	08/13/2012 14:00	15	07/31/2012 17:34	
SW8011	SGC_EDB_8011	08/13/2012 14:00	15	08/07/2012 17:34	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/13/2012 14:00	15	07/31/2012 17:34	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/13/2012 14:00	15	08/07/2012 17:34	
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/07/2012 17:34	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/13/2012 14:00	15	08/07/2012 17:34	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/13/2012 14:00	15	08/21/2012 17:34	
E300.0	WC_ANIONS_300.0 (Regular)	08/13/2012 14:00	15	08/21/2012 17:34	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/13/2012 14:00	15	08/21/2012 17:34	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/13/2012 14:00	15	07/31/2012 17:34	
SW6010B	MET_ICP_6010B_FULL	08/13/2012 14:00	15	01/20/2013 17:34	Ca, Pb, K, Na, Mg
1207138-14 GW0741 [Water] Sampled 07/24/2012 16:34 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/13/2012 14:00	15	01/20/2013 17:34	Fe & Mn
1207138-15 GW8217-TB [Water] Sampled 07/25/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	08/13/2012 14:00	15	08/08/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 7/30/2012 10:28:57AM

1207152

Empirical Laboratories, LLC

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

Report To:
Shaw E & I (I700)
Pamela Moss
9201 East Dry Creek
Denver, CO 80112
Phone: (720) 554-8252
Fax: (225) 932-2661

Invoice To:
Shaw E & I (I700)
Accounts Payable
PO Box 98519
Baton Rouge, LA 70884
Phone :(225) 932-2500
Fax: (225) 932-2661

Due to Client: 08/20/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 07/27/2012 08:30
Logged In By: Jack Deville
Date Logged In: 07/28/2012 09:41

Samples Received at: **0.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1207152-01 GW0674 [Water] Sampled 07/26/2012 14:41 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/23/2012 15:41	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/22/2013 15:41	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/02/2012 15:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/23/2012 15:41	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/23/2012 15:41	
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/09/2012 15:41	carb/bicarb
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/09/2012 15:41	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/09/2012 15:41	
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/02/2012 15:41	
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/09/2012 15:41	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/02/2012 15:41	
1207152-02 GW0674 [Water] Sampled 07/26/2012 14:41 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/22/2013 15:41	Fe & Mn

1207152

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
1207152-03 GW0675 [Water] Sampled 07/26/2012 12:18 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/09/2012 13:18	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/23/2012 13:18	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/02/2012 13:18	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/23/2012 13:18	
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/22/2013 13:18	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/09/2012 13:18	
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/02/2012 13:18	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/09/2012 13:18	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/02/2012 13:18	
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/09/2012 13:18	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/23/2012 13:18	Cl, SO4
1207152-04 GW0675 [Water] Sampled 07/26/2012 12:18 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/22/2013 13:18	Fe & Mn
1207152-05 GW0676 [Water] Sampled 07/26/2012 10:14 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/23/2012 11:14	
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/23/2012 11:14	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/23/2012 11:14	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/02/2012 11:14	
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/09/2012 11:14	naphthalene must be reported
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/02/2012 11:14	
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/09/2012 11:14	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/09/2012 11:14	
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/02/2012 11:14	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/09/2012 11:14	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/22/2013 11:14	Ca, Pb, K, Na, Mg
1207152-06 GW0676 [Water] Sampled 07/26/2012 10:14 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/22/2013 11:14	Fe & Mn

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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
1207152-07 GW0681 [Water] Sampled 07/26/2012 14:42 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/22/2013 15:42	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/02/2012 15:42	
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/09/2012 15:42	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/02/2012 15:42	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/23/2012 15:42	
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/09/2012 15:42	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/09/2012 15:42	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/23/2012 15:42	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/02/2012 15:42	
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/23/2012 15:42	Cl, SO4
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/09/2012 15:42	
1207152-08 GW0681 [Water] Sampled 07/26/2012 14:42 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/22/2013 15:42	Fe & Mn
1207152-09 GW0682 [Water] Sampled 07/26/2012 12:39 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/23/2012 13:39	
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/09/2012 13:39	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/02/2012 13:39	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/09/2012 13:39	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/02/2012 13:39	
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/09/2012 13:39	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/02/2012 13:39	
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/23/2012 13:39	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/23/2012 13:39	
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/09/2012 13:39	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/22/2013 13:39	Ca, Pb, K, Na, Mg
1207152-10 GW0682 [Water] Sampled 07/26/2012 12:39 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/22/2013 13:39	Fe & Mn

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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
1207152-11 GW0683 [Water] Sampled 07/25/2012 10:29 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/08/2012 11:29	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/22/2012 11:29	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/22/2012 11:29	
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/08/2012 11:29	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/21/2013 11:29	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/01/2012 11:29	
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/22/2012 11:29	Cl, SO4
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/08/2012 11:29	
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/01/2012 11:29	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/01/2012 11:29	
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/08/2012 11:29	Run dilutions based on 8260 results!
1207152-12 GW0683 [Water] Sampled 07/25/2012 10:29 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/21/2013 11:29	Fe & Mn
1207152-13 GW0690 [Water] Sampled 07/25/2012 15:27 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/01/2012 16:27	
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/08/2012 16:27	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/08/2012 16:27	
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/21/2013 16:27	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/08/2012 16:27	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/22/2012 16:27	
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/01/2012 16:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/08/2012 16:27	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/22/2012 16:27	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/22/2012 16:27	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/01/2012 16:27	
1207152-14 GW0690 [Water] Sampled 07/25/2012 15:27 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/21/2013 16:27	Fe & Mn

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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
1207152-15 GW0691 [Water] Sampled 07/25/2012 15:27 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/21/2013 16:27	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/01/2012 16:27	
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/22/2012 16:27	
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/22/2012 16:27	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/22/2012 16:27	
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/01/2012 16:27	
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/08/2012 16:27	
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/08/2012 16:27	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/08/2012 16:27	carb/bicarb
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/01/2012 16:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/08/2012 16:27	Run dilutions based on 8260 results!
1207152-16 GW0691 [Water] Sampled 07/25/2012 15:27 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/21/2013 16:27	Fe & Mn
1207152-17 GW0700 [Water] Sampled 07/25/2012 15:39 Mountain 'Field Duplicate'					
SM4500S2CF	WC_SULFIDE_4500S2CF	08/14/2012 14:00	15	08/01/2012 16:39	
E300.0	WC_ANIONS_300.0 (Regular)	08/14/2012 14:00	15	08/22/2012 16:39	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/14/2012 14:00	15	08/22/2012 16:39	
SM2320B	WC_ALKALINITY_2320B	08/14/2012 14:00	15	08/08/2012 16:39	carb/bicarb
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/08/2012 16:39	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/14/2012 14:00	15	08/08/2012 16:39	
E353.2	WC_NO3NO2_N_353.2	08/14/2012 14:00	15	08/22/2012 16:39	
SW8015B DRO	SGC_DRO_8015B_3510	08/14/2012 14:00	15	08/01/2012 16:39	
SW8011	SGC_EDB_8011	08/14/2012 14:00	15	08/08/2012 16:39	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	08/14/2012 14:00	15	01/21/2013 16:39	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	08/14/2012 14:00	15	08/01/2012 16:39	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1207152-18 GW0700 [Water] Sampled 07/25/2012 15:39 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/14/2012 14:00	15	01/21/2013 16:39	Fe & Mn
1207152-19 GW8218-TB [Water] Sampled 07/26/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	08/14/2012 14:00	15	08/09/2012 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_058

QC LEVEL: Level IV
Report Due: 8/17/2012
Client Sample Count: 44

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	7/24/2012	7/25/2012	1207130-01	GW0664	Water	X	X	X	X	X	X
Client Sample	7/24/2012	7/25/2012	1207130-02	GW0664	Water						X
Client Sample	7/24/2012	7/25/2012	1207130-03	GW0666	Water	X	X	X	X	X	X
Client Sample	7/24/2012	7/25/2012	1207130-04	GW0666	Water						X
Client Sample	7/23/2012	7/25/2012	1207130-05	GW0671	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/23/2012	7/25/2012	1207130-06	GW0671	Water						MS/MSD
Client Sample	7/23/2012	7/25/2012	1207130-07	GW0673	Water	X	X	X	X	X	X
Client Sample	7/24/2012	7/25/2012	1207130-08	GW0673	Water						X
Client Sample	7/23/2012	7/25/2012	1207130-09	GW0717	Water	X	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-10	GW0717	Water						X
Client Sample	7/23/2012	7/25/2012	1207130-11	GW0718	Water	X	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-12	GW0718	Water						X
Client Sample	7/23/2012	7/25/2012	1207130-13	GW0719	Water	X	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-14	GW0719	Water						X
Client Sample	7/24/2012	7/25/2012	1207130-15	GW0742	Water	X	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-16	GW0742	Water						X
Trip Blank	7/23/2012	7/25/2012	1207130-17	GW8216-TB	Water						
Client Sample	7/24/2012	7/26/2012	1207138-01	GW0665	Water	X	X	X	X	X	X
Client Sample	7/24/2012	7/26/2012	1207138-02	GW0665	Water						X
Client Sample	7/25/2012	7/26/2012	1207138-03	GW0684	Water	X	X	X	X	X	X
Client Sample	7/25/2012	7/26/2012	1207138-04	GW0684	Water						X
Client Sample	7/25/2012	7/26/2012	1207138-05	GW0692	Water	X	X	X	X	X	X
Client Sample	7/25/2012	7/26/2012	1207138-06	GW0692	Water						X
Client Sample	7/25/2012	7/26/2012	1207138-07	GW0693	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/25/2012	7/26/2012	1207138-08	GW0693	Water						MS/MSD
Client Sample	7/25/2012	7/26/2012	1207138-09	GW0703	Water	X	X	X	X	X	X
Client Sample	7/25/2012	7/26/2012	1207138-10	GW0703	Water						X
Client Sample	7/24/2012	7/26/2012	1207138-11	GW0740	Water	X	X	X	X	X	X
Client Sample	7/24/2012	7/26/2012	1207138-12	GW0740	Water						X
Client Sample	7/24/2012	7/26/2012	1207138-13	GW0741	Water	X	X	X	X	X	X
Client Sample	7/24/2012	7/26/2012	1207138-14	GW0741	Water						X
Trip Blank	7/25/2012	7/26/2012	1207138-15	GW8217-TB	Water						
Client Sample	7/26/2012	7/27/2012	1207152-01	GW0674	Water	X	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-02	GW0674	Water						X
Client Sample	7/26/2012	7/27/2012	1207152-03	GW0675	Water	X	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-04	GW0675	Water						X
Client Sample	7/26/2012	7/27/2012	1207152-05	GW0676	Water	X	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-06	GW0676	Water						X
Client Sample	7/26/2012	7/27/2012	1207152-07	GW0681	Water	X	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-08	GW0681	Water						X
Client Sample	7/26/2012	7/27/2012	1207152-09	GW0682	Water	X	X	X	X	X	X

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	7/26/2012	7/27/2012	1207152-10	GW0682	Water						X
Client Sample	7/25/2012	7/27/2012	1207152-11	GW0683	Water	X	X	X	X	X	X
Client Sample	7/25/2012	7/27/2012	1207152-12	GW0683	Water						X
Client Sample	7/25/2012	7/27/2012	1207152-13	GW0690	Water	X	X	X	X	X	X
Client Sample	7/25/2012	7/27/2012	1207152-14	GW0690	Water						X
Field Duplicate	7/25/2012	7/27/2012	1207152-15	GW0691	Water	X	X	X	X	X	X
Field Duplicate	7/25/2012	7/27/2012	1207152-16	GW0691	Water						X
Field Duplicate	7/25/2012	7/27/2012	1207152-17	GW0700	Water	X	X	X	X	X	X
Field Duplicate	7/25/2012	7/27/2012	1207152-18	GW0700	Water						X
Trip Blank	7/26/2012	7/27/2012	1207152-19	GW8218-TB	Water						

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270D
Client Sample	7/24/2012	7/25/2012	1207130-01	GW0664	Water	X	X	X	X	X
Client Sample	7/24/2012	7/25/2012	1207130-02	GW0664	Water					
Client Sample	7/24/2012	7/25/2012	1207130-03	GW0666	Water	X	X	X	X	X
Client Sample	7/24/2012	7/25/2012	1207130-04	GW0666	Water					
Client Sample	7/23/2012	7/25/2012	1207130-05	GW0671	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/23/2012	7/25/2012	1207130-06	GW0671	Water					
Client Sample	7/23/2012	7/25/2012	1207130-07	GW0673	Water	X	X	X	X	X
Client Sample	7/24/2012	7/25/2012	1207130-08	GW0673	Water					
Client Sample	7/23/2012	7/25/2012	1207130-09	GW0717	Water	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-10	GW0717	Water					
Client Sample	7/23/2012	7/25/2012	1207130-11	GW0718	Water	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-12	GW0718	Water					
Client Sample	7/23/2012	7/25/2012	1207130-13	GW0719	Water	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-14	GW0719	Water					
Client Sample	7/24/2012	7/25/2012	1207130-15	GW0742	Water	X	X	X	X	X
Client Sample	7/23/2012	7/25/2012	1207130-16	GW0742	Water					
Trip Blank	7/23/2012	7/25/2012	1207130-17	GW8216-TB	Water				X	
Client Sample	7/24/2012	7/26/2012	1207138-01	GW0665	Water	X	X	X	X	X
Client Sample	7/24/2012	7/26/2012	1207138-02	GW0665	Water					
Client Sample	7/25/2012	7/26/2012	1207138-03	GW0684	Water	X	X	X	X	X
Client Sample	7/25/2012	7/26/2012	1207138-04	GW0684	Water					
Client Sample	7/25/2012	7/26/2012	1207138-05	GW0692	Water	X	X	X	X	X
Client Sample	7/25/2012	7/26/2012	1207138-06	GW0692	Water					
Client Sample	7/25/2012	7/26/2012	1207138-07	GW0693	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/25/2012	7/26/2012	1207138-08	GW0693	Water					
Client Sample	7/25/2012	7/26/2012	1207138-09	GW0703	Water	X	X	X	X	X
Client Sample	7/25/2012	7/26/2012	1207138-10	GW0703	Water					
Client Sample	7/24/2012	7/26/2012	1207138-11	GW0740	Water	X	X	X	X	X
Client Sample	7/24/2012	7/26/2012	1207138-12	GW0740	Water					
Client Sample	7/24/2012	7/26/2012	1207138-13	GW0741	Water	X	X	X	X	X
Client Sample	7/24/2012	7/26/2012	1207138-14	GW0741	Water					
Trip Blank	7/25/2012	7/26/2012	1207138-15	GW8217-TB	Water				X	
Client Sample	7/26/2012	7/27/2012	1207152-01	GW0674	Water	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-02	GW0674	Water					

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270D
Client Sample	7/26/2012	7/27/2012	1207152-03	GW0675	Water	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-04	GW0675	Water					
Client Sample	7/26/2012	7/27/2012	1207152-05	GW0676	Water	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-06	GW0676	Water					
Client Sample	7/26/2012	7/27/2012	1207152-07	GW0681	Water	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-08	GW0681	Water					
Client Sample	7/26/2012	7/27/2012	1207152-09	GW0682	Water	X	X	X	X	X
Client Sample	7/26/2012	7/27/2012	1207152-10	GW0682	Water					
Client Sample	7/25/2012	7/27/2012	1207152-11	GW0683	Water	X	X	X	X	X
Client Sample	7/25/2012	7/27/2012	1207152-12	GW0683	Water					
Client Sample	7/25/2012	7/27/2012	1207152-13	GW0690	Water	X	X	X	X	X
Client Sample	7/25/2012	7/27/2012	1207152-14	GW0690	Water					
Field Duplicate	7/25/2012	7/27/2012	1207152-15	GW0691	Water	X	X	X	X	X
Field Duplicate	7/25/2012	7/27/2012	1207152-16	GW0691	Water					
Field Duplicate	7/25/2012	7/27/2012	1207152-17	GW0700	Water	X	X	X	X	X
Field Duplicate	7/25/2012	7/27/2012	1207152-18	GW0700	Water					
Trip Blank	7/26/2012	7/27/2012	1207152-19	GW8218-TB	Water				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	0713001.D
Sampled:	07/24/12 12:38	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 14:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	0713001.D
Sampled:	07/24/12 12:38	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 14:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	30.07	100	75 - 120	
Dibromofluoromethane	30.00	31.30	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.86	103	70 - 120	
Toluene-d8	30.00	30.22	101	85 - 120	

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	0713003.D
Sampled:	07/24/12 10:22	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 14:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	0713003.D
Sampled:	07/24/12 10:22	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 14:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.37	97.9	75 - 120	
Dibromofluoromethane	30.00	30.61	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.36	101	70 - 120	
Toluene-d8	30.00	28.98	96.6	85 - 120	

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	0713005.D
Sampled:	07/23/12 14:38	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 15:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	0.580	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	0713005.D
Sampled:	07/23/12 14:38	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 15:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, N, 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	29.67	98.9	75 - 120	
Dibromofluoromethane	30.00	31.62	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.07	100	70 - 120	
Toluene-d8	30.00	28.98	96.6	85 - 120	

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	0713007.D
Sampled:	07/23/12 10:14	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 15:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	0713007.D
Sampled:	07/23/12 10:14	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 15:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	30.20	101	75 - 120	
Dibromofluoromethane	30.00	31.04	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.16	101	70 - 120	
Toluene-d8	30.00	30.66	102	85 - 120	

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09RE1	File ID:	0713009R.D
Sampled:	07/23/12 15:52	Prepared:	07/31/12 00:00	Analyzed:	07/31/12 16:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	9.72	2.50	5.00	10.0	X, J
71-43-2	Benzene	0.300	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	X, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene	1.20	0.250	0.500	1.00	
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	1.00	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09RE1	File ID:	0713009R.D
Sampled:	07/23/12 15:52	Prepared:	07/31/12 00:00	Analyzed:	07/31/12 16:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.580	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.670	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.23	101	75 - 120	
Dibromofluoromethane	30.00	29.24	97.5	85 - 115	
1,2-Dichloroethane-d4	30.00	29.56	98.5	70 - 120	
Toluene-d8	30.00	29.43	98.1	85 - 120	

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11RE1	File ID:	0713011R.D
Sampled:	07/23/12 13:42	Prepared:	07/31/12 00:00	Analyzed:	07/31/12 16:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	7.05	2.50	5.00	10.0	X, J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	X, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene	1.39	0.250	0.500	1.00	
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.540	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.890	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11RE1	File ID:	0713011R.D
Sampled:	07/23/12 13:42	Prepared:	07/31/12 00:00	Analyzed:	07/31/12 16:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	3.10	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.620	0.250	0.500	1.00	J
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.320	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.97	99.9	75 - 120	
Dibromofluoromethane	30.00	30.75	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.33	97.8	70 - 120	
Toluene-d8	30.00	30.10	100	85 - 120	

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	0713013.D
Sampled:	07/23/12 11:32	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 16:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	0713013.D
Sampled:	07/23/12 11:32	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 16:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	30.52	102	75 - 120	
Dibromofluoromethane	30.00	30.07	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.82	103	70 - 120	
Toluene-d8	30.00	30.60	102	85 - 120	

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	0713015.D
Sampled:	07/24/12 10:32	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 16:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	0713015.D
Sampled:	07/24/12 10:32	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 16:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.00	96.7	75 - 120	
Dibromofluoromethane	30.00	30.84	103	85 - 115	
1,2-Dichloroethane-d4	30.00	29.89	99.6	70 - 120	
Toluene-d8	30.00	30.34	101	85 - 120	

ANALYSIS DATA SHEET

GW8216-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-17	File ID:	0713017.D
Sampled:	07/23/12 08:00	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 13:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8216-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-17	File ID:	0713017.D
Sampled:	07/23/12 08:00	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 13:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	1.36	0.500	1.00	2.00	J
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.33	97.8	75 - 120	
Dibromofluoromethane	30.00	31.22	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.87	103	70 - 120	
Toluene-d8	30.00	29.63	98.8	85 - 120	

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	0713801.D
Sampled:	07/24/12 14:35	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 17:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	0713801.D
Sampled:	07/24/12 14:35	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 17:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.55	98.5	75 - 120	
Dibromofluoromethane	30.00	32.79	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.22	107	70 - 120	
Toluene-d8	30.00	29.89	99.6	85 - 120	

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03	File ID:	0713803.D
Sampled:	07/25/12 10:18	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 17:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	0.660	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)	2.25	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		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03	File ID:	0713803.D
Sampled:	07/25/12 10:18	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 17:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	0.400	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.14	104	75 - 120	
Dibromofluoromethane	30.00	31.67	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	29.24	97.5	85 - 120	

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	0713805.D
Sampled:	07/25/12 10:01	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 18:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.53	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane	0.560	0.250	0.500	1.00	J
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	0713805.D
Sampled:	07/25/12 10:01	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 18:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.430	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.560	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.76	99.2	75 - 120	
Dibromofluoromethane	30.00	31.19	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.19	101	70 - 120	
Toluene-d8	30.00	29.29	97.6	85 - 120	

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07	File ID:	0713807D.D
Sampled:	07/25/12 12:07	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 20:58
Solids:		Preparation:	5030B	Dilution:	20

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	494	50.0	100	200	D
71-43-2	Benzene	1880	5.00	10.0	20.0	D
108-86-1	Bromobenzene		5.00	10.0	20.0	U
74-97-5	Bromochloromethane		5.00	10.0	20.0	U
75-27-4	Bromodichloromethane		5.00	10.0	20.0	U
75-25-2	Bromoform		5.00	10.0	20.0	U
74-83-9	Bromomethane		10.0	20.0	40.0	U
104-51-8	n-Butylbenzene		5.00	10.0	20.0	U
78-93-3	2-Butanone	152	50.0	100	200	J, D
135-98-8	sec-Butylbenzene		5.00	10.0	20.0	U
98-06-6	tert-Butylbenzene		5.00	10.0	20.0	U
75-15-0	Carbon disulfide	13.2	5.00	10.0	20.0	J, D
56-23-5	Carbon tetrachloride		5.00	10.0	20.0	U
108-90-7	Chlorobenzene		5.00	10.0	20.0	U
75-00-3	Chloroethane		10.0	20.0	40.0	U
67-66-3	Chloroform		5.00	10.0	20.0	U
74-87-3	Chloromethane		5.00	10.0	20.0	U
95-49-8	2-Chlorotoluene		5.00	10.0	20.0	U
106-43-4	4-Chlorotoluene		5.00	10.0	20.0	U
124-48-1	Dibromochloromethane		5.00	10.0	20.0	U
96-12-8	1,2-Dibromo-3-chloropropane		10.0	20.0	40.0	U
106-93-4	1,2-Dibromoethane (EDB)	40.0	5.00	10.0	20.0	D
74-95-3	Dibromomethane		5.00	10.0	20.0	U
95-50-1	1,2-Dichlorobenzene		5.00	10.0	20.0	U
541-73-1	1,3-Dichlorobenzene		5.00	10.0	20.0	U
106-46-7	1,4-Dichlorobenzene		5.00	10.0	20.0	U
75-71-8	Dichlorodifluoromethane		10.0	20.0	40.0	U
75-34-3	1,1-Dichloroethane		5.00	10.0	20.0	U
107-06-2	1,2-Dichloroethane		5.00	10.0	20.0	U
75-35-4	1,1-Dichloroethene		5.00	10.0	20.0	U
156-59-2	cis-1,2-Dichloroethene		5.00	10.0	20.0	U
156-60-5	trans-1,2-Dichloroethene		5.00	10.0	20.0	U
78-87-5	1,2-Dichloropropane		5.00	10.0	20.0	U
142-28-9	1,3-Dichloropropane		5.00	10.0	20.0	U
594-20-7	2,2-Dichloropropane		5.00	10.0	20.0	U
563-58-6	1,1-Dichloropropene		5.00	10.0	20.0	U
10061-01-5	cis-1,3-Dichloropropene		5.00	10.0	20.0	U
10061-02-6	trans-1,3-Dichloropropene		5.00	10.0	20.0	U
100-41-4	Ethylbenzene	286	5.00	10.0	20.0	D
87-68-3	Hexachlorobutadiene		5.00	10.0	40.0	Y, U

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07	File ID:	0713807D.D
Sampled:	07/25/12 12:07	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 20:58
Solids:		Preparation:	5030B	Dilution:	20

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	42.2	25.0	50.0	100	J, D
98-82-8	Isopropylbenzene	31.8	5.00	10.0	20.0	D
99-87-6	p-Isopropyltoluene		5.00	10.0	20.0	U
75-09-2	Methylene chloride		10.0	20.0	40.0	U
91-20-3	Naphthalene	37.4	5.00	10.0	40.0	J, D
108-10-1	4-Methyl-2-pentanone	51.4	25.0	50.0	100	X, J, D
1634-04-4	Methyl t-Butyl Ether		5.00	10.0	20.0	U
103-65-1	n-Propylbenzene	20.6	5.00	10.0	20.0	D
100-42-5	Styrene		5.00	10.0	20.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.00	10.0	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane		5.00	10.0	20.0	U
127-18-4	Tetrachloroethene		5.00	10.0	20.0	U
108-88-3	Toluene	924	5.00	10.0	20.0	D
87-61-6	1,2,3-Trichlorobenzene		5.00	10.0	40.0	U
120-82-1	1,2,4-Trichlorobenzene		5.00	10.0	40.0	U
79-00-5	1,1,2-Trichloroethane		5.00	10.0	20.0	U
71-55-6	1,1,1-Trichloroethane		5.00	10.0	20.0	U
79-01-6	Trichloroethene		5.00	10.0	20.0	U
75-69-4	Trichlorofluoromethane		10.0	20.0	40.0	U
96-18-4	1,2,3-Trichloropropane		10.0	20.0	40.0	U
108-67-8	1,3,5-Trimethylbenzene	19.6	5.00	10.0	20.0	J, D
95-63-6	1,2,4-Trimethylbenzene	33.6	5.00	10.0	20.0	D
75-01-4	Vinyl chloride		5.00	10.0	20.0	X, N, U
1330-20-7	Xylenes (total)	235	15.0	30.0	60.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.22	101	75 - 120	
Dibromofluoromethane	30.00	30.80	103	85 - 115	
1,2-Dichloroethane-d4	30.00	29.21	97.4	70 - 120	
Toluene-d8	30.00	29.82	99.4	85 - 120	

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09	File ID:	0713809.D
Sampled:	07/25/12 13:15	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 18:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	0.410	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)	0.530	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.54	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09	File ID:	0713809.D
Sampled:	07/25/12 13:15	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 18:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.490	0.250	0.500	1.00	J
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.45	98.2	75 - 120	
Dibromofluoromethane	30.00	31.02	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.91	103	70 - 120	
Toluene-d8	30.00	29.83	99.4	85 - 120	

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	0713811.D
Sampled:	07/24/12 14:19	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 19:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	0713811.D
Sampled:	07/24/12 14:19	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 19:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.43	98.1	75 - 120	
Dibromofluoromethane	30.00	31.15	104	85 - 115	
1,2-Dichloroethane-d4	30.00	32.03	107	70 - 120	
Toluene-d8	30.00	29.65	98.8	85 - 120	

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	0713813.D
Sampled:	07/24/12 16:34	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 19:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	0713813.D
Sampled:	07/24/12 16:34	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 19:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.80	99.3	75 - 120	
Dibromofluoromethane	30.00	32.12	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.23	107	70 - 120	
Toluene-d8	30.00	29.35	97.8	85 - 120	

ANALYSIS DATA SHEET

GW8217-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-15	File ID:	0713815.D
Sampled:	07/25/12 08:00	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 13:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8217-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-15	File ID:	0713815.D
Sampled:	07/25/12 08:00	Prepared:	07/27/12 00:00	Analyzed:	07/27/12 13:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.60	98.7	75 - 120	
Dibromofluoromethane	30.00	31.14	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.46	98.2	70 - 120	
Toluene-d8	30.00	29.65	98.8	85 - 120	

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	0715201.D
Sampled:	07/26/12 14:41	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 10:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	0715201.D
Sampled:	07/26/12 14:41	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 10:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.87	99.6	75 - 120	
Dibromofluoromethane	30.00	30.28	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.01	100	70 - 120	
Toluene-d8	30.00	30.21	101	85 - 120	

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	0715203.D
Sampled:	07/26/12 12:18	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 10:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	0715203.D
Sampled:	07/26/12 12:18	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 10:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.63	95.4	75 - 120	
Dibromofluoromethane	30.00	31.23	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.33	104	70 - 120	
Toluene-d8	30.00	29.25	97.5	85 - 120	

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	0715205.D
Sampled:	07/26/12 10:14	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 11:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	0715205.D
Sampled:	07/26/12 10:14	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 11:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.02	96.7	75 - 120	
Dibromofluoromethane	30.00	30.49	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.16	101	70 - 120	
Toluene-d8	30.00	30.42	101	85 - 120	

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	0715207.D
Sampled:	07/26/12 14:42	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 11:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	0715207.D
Sampled:	07/26/12 14:42	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 11:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.88	99.6	75 - 120	
Dibromofluoromethane	30.00	30.78	103	85 - 115	
1,2-Dichloroethane-d4	30.00	28.80	96.0	70 - 120	
Toluene-d8	30.00	30.26	101	85 - 120	

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	0715209.D
Sampled:	07/26/12 12:39	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 11:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	0715209.D
Sampled:	07/26/12 12:39	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 11:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.19	97.3	75 - 120	
Dibromofluoromethane	30.00	30.85	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.97	103	70 - 120	
Toluene-d8	30.00	29.28	97.6	85 - 120	

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	0715211.D
Sampled:	07/25/12 10:29	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 12:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	0715211.D
Sampled:	07/25/12 10:29	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 12:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.23	97.4	75 - 120	
Dibromofluoromethane	30.00	30.60	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.44	101	70 - 120	
Toluene-d8	30.00	29.27	97.6	85 - 120	

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	0715213.D
Sampled:	07/25/12 15:27	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 12:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	0715213.D
Sampled:	07/25/12 15:27	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 12:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.43	98.1	75 - 120	
Dibromofluoromethane	30.00	30.34	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.59	98.6	70 - 120	
Toluene-d8	30.00	29.65	98.8	85 - 120	

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	0715215.D
Sampled:	07/25/12 15:27	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 13:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	0715215.D
Sampled:	07/25/12 15:27	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 13:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.23	101	75 - 120	
Dibromofluoromethane	30.00	30.29	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.19	101	70 - 120	
Toluene-d8	30.00	30.48	102	85 - 120	

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	0715217D.D
Sampled:	07/25/12 15:39	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 13:53
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	166	12.5	25.0	50.0	D
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	0715217D.D
Sampled:	07/25/12 15:39	Prepared:	08/02/12 00:00	Analyzed:	08/02/12 13:53
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.43	98.1	75 - 120	
Dibromofluoromethane	30.00	29.73	99.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.31	94.4	70 - 120	
Toluene-d8	30.00	29.48	98.3	85 - 120	

ANALYSIS DATA SHEET

GW8218-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-19	File ID:	0715219.D
Sampled:	07/26/12 08:00	Prepared:	08/01/12 00:00	Analyzed:	08/01/12 13:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	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	2.00	Y, U

ANALYSIS DATA SHEET

GW8218-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-19	File ID:	0715219.D
Sampled:	07/26/12 08:00	Prepared:	08/01/12 00:00	Analyzed:	08/01/12 13:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	Y, U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	Y, 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	29.82	99.4	75 - 120	
Dibromofluoromethane	30.00	31.23	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.08	104	70 - 120	
Toluene-d8	30.00	30.34	101	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G21203-CCV1) ug/L				Lab File ID: 0727CCV1.D		Analyzed: 07/27/12 10:51		
Bromofluorobenzene	30.00	111	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.9	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.6	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	101	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2G27013-BS1) ug/L				Lab File ID: 0727LCS1.D		Analyzed: 07/27/12 11:20		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.7	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.64	9.64	0.0000	+/-1.000	
Blank (2G27013-BLK1) ug/L				Lab File ID: 0727BLK1.D		Analyzed: 07/27/12 12:47		
Bromofluorobenzene	30.00	97.6	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8216-TB (1207130-17) ug/L				Lab File ID: 0713017.D		Analyzed: 07/27/12 13:16		
Bromofluorobenzene	30.00	97.8	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	98.8	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8217-TB (1207138-15) ug/L				Lab File ID: 0713815.D		Analyzed: 07/27/12 13:45		
Bromofluorobenzene	30.00	98.7	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.2	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	98.8	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0664 (1207130-01) ug/L				Lab File ID: 0713001.D		Analyzed: 07/27/12 14:13		
Bromofluorobenzene	30.00	100	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0666 (1207130-03) ug/L				Lab File ID: 0713003.D		Analyzed: 07/27/12 14:42		
Bromofluorobenzene	30.00	97.9	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.93	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	96.6	85 - 120	9.65	9.64	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0671 (1207130-05) ug/L				Lab File ID: 0713005.D		Analyzed: 07/27/12 15:11		
Bromofluorobenzene	30.00	98.9	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	96.6	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0673 (1207130-07) ug/L				Lab File ID: 0713007.D		Analyzed: 07/27/12 15:40		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0719 (1207130-13) ug/L				Lab File ID: 0713013.D		Analyzed: 07/27/12 16:09		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0742 (1207130-15) ug/L				Lab File ID: 0713015.D		Analyzed: 07/27/12 16:38		
Bromofluorobenzene	30.00	96.7	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0665 (1207138-01) ug/L				Lab File ID: 0713801.D		Analyzed: 07/27/12 17:07		
Bromofluorobenzene	30.00	98.5	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.95	6.93	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0684 (1207138-03) ug/L				Lab File ID: 0713803.D		Analyzed: 07/27/12 17:36		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	97.5	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0692 (1207138-05) ug/L				Lab File ID: 0713805.D		Analyzed: 07/27/12 18:04		
Bromofluorobenzene	30.00	99.2	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0703 (1207138-09) ug/L				Lab File ID: 0713809.D		Analyzed: 07/27/12 18:33		
Bromofluorobenzene	30.00	98.2	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0740 (1207138-11) ug/L				Lab File ID: 0713811.D		Analyzed: 07/27/12 19:02		
Bromofluorobenzene	30.00	98.1	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	98.8	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0741 (1207138-13) ug/L				Lab File ID: 0713813.D		Analyzed: 07/27/12 19:31		
Bromofluorobenzene	30.00	99.3	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.93	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	97.8	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0693 (1207138-07) ug/L				Lab File ID: 0713807D.D		Analyzed: 07/27/12 20:58		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.4	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.64	9.64	0.0000	+/-1.000	
Matrix Spike (2G27013-MS1) ug/L				Lab File ID: 0713005M.D		Analyzed: 07/27/12 21:26		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.95	6.93	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.65	9.64	0.0100	+/-1.000	
Matrix Spike Dup (2G27013-MSD1) ug/L				Lab File ID: 0713005S.D		Analyzed: 07/27/12 21:55		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.1	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.6	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.65	9.64	0.0100	+/-1.000	
Matrix Spike (2G27013-MS2) ug/L				Lab File ID: 0713807M.D		Analyzed: 07/27/12 22:24		
Bromofluorobenzene	30.00	103	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.7	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2G27013-MSD2) ug/L				Lab File ID: 0713807S.D		Analyzed: 07/27/12 22:53		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21401	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21401-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 07/31/12 07:40		
Bromofluorobenzene	30.00	102	80 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	98.6	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2G31016-BS1) ug/L				Lab File ID: 0731LCS1.D		Analyzed: 07/31/12 08:09		
Bromofluorobenzene	30.00	102	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.0	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.7	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2G31016-BLK1) ug/L				Lab File ID: 0731BLK1.D		Analyzed: 07/31/12 10:05		
Bromofluorobenzene	30.00	96.4	75 - 120	12.117	12.111	0.0060	+/-1.000	
Dibromofluoromethane	30.00	98.9	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.476	9.477	-0.0010	+/-1.000	
GW0717 (1207130-09RE1) ug/L				Lab File ID: 0713009R.D		Analyzed: 07/31/12 16:18		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.111	0.0060	+/-1.000	
Dibromofluoromethane	30.00	97.5	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.5	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	98.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0718 (1207130-11RE1) ug/L				Lab File ID: 0713011R.D		Analyzed: 07/31/12 16:47		
Bromofluorobenzene	30.00	99.9	75 - 120	12.117	12.111	0.0060	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.8	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21505	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21505-CCV1) ug/L				Lab File ID: 0801CCV1.D		Analyzed: 08/01/12 08:29		
Bromofluorobenzene	30.00	105	80 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	80 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.65	9.65	0.0000	+/-1.000	
LCS (2H01003-BS1) ug/L				Lab File ID: 0801LCS1.D		Analyzed: 08/01/12 08:56		
Bromofluorobenzene	30.00	102	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.66	9.65	0.0100	+/-1.000	
Blank (2H01003-BLK1) ug/L				Lab File ID: 0801BL1.D		Analyzed: 08/01/12 10:16		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW8218-TB (1207152-19) ug/L				Lab File ID: 0715219.D		Analyzed: 08/01/12 13:21		
Bromofluorobenzene	30.00	99.4	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.65	0.0000	+/-1.000	
LCS Dup (2H01003-BSD1) ug/L				Lab File ID: 0801LCD1.D		Analyzed: 08/01/12 17:48		
Bromofluorobenzene	30.00	103	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.65	9.65	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21604	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21604-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 08/02/12 07:40		
Bromofluorobenzene	30.00	101	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.3	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.4	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2H02012-BS1) ug/L				Lab File ID: 0802LCS1.D		Analyzed: 08/02/12 08:09		
Bromofluorobenzene	30.00	103	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	96.5	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.9	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2H02012-BLK1) ug/L				Lab File ID: 0802BLK1.D		Analyzed: 08/02/12 09:35		
Bromofluorobenzene	30.00	98.9	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.5	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0674 (1207152-01) ug/L				Lab File ID: 0715201.D		Analyzed: 08/02/12 10:04		
Bromofluorobenzene	30.00	99.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0675 (1207152-03) ug/L				Lab File ID: 0715203.D		Analyzed: 08/02/12 10:32		
Bromofluorobenzene	30.00	95.4	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0676 (1207152-05) ug/L				Lab File ID: 0715205.D		Analyzed: 08/02/12 11:01		
Bromofluorobenzene	30.00	96.7	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.476	9.477	-0.0010	+/-1.000	
GW0681 (1207152-07) ug/L				Lab File ID: 0715207.D		Analyzed: 08/02/12 11:29		
Bromofluorobenzene	30.00	99.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.0	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21604	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0682 (1207152-09) ug/L				Lab File ID: 0715209.D		Analyzed: 08/02/12 11:58		
Bromofluorobenzene	30.00	97.3	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0683 (1207152-11) ug/L				Lab File ID: 0715211.D		Analyzed: 08/02/12 12:27		
Bromofluorobenzene	30.00	97.4	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0690 (1207152-13) ug/L				Lab File ID: 0715213.D		Analyzed: 08/02/12 12:56		
Bromofluorobenzene	30.00	98.1	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.6	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	98.8	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0691 (1207152-15) ug/L				Lab File ID: 0715215.D		Analyzed: 08/02/12 13:24		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0700 (1207152-17) ug/L				Lab File ID: 0715217D.D		Analyzed: 08/02/12 13:53		
Bromofluorobenzene	30.00	98.1	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.1	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.4	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	98.3	85 - 120	9.477	9.477	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27013	Laboratory ID:	2G27013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.6	92.6	40 - 140
Benzene	50.00	53.8	108	80 - 120
Bromobenzene	50.00	47.1	94.3	75 - 125
Bromochloromethane	50.00	48.3	96.7	65 - 130
Bromodichloromethane	50.00	44.5	89.0	75 - 120
Bromoform	50.00	44.3	88.6	70 - 130
Bromomethane	50.00	49.8	99.6	30 - 145
n-Butylbenzene	50.00	49.1	98.3	70 - 135
2-Butanone	100.0	116	116	30 - 150
sec-Butylbenzene	50.00	50.4	101	70 - 125
tert-Butylbenzene	50.00	49.7	99.5	70 - 130
Carbon disulfide	50.00	43.9	87.8	35 - 160
Carbon tetrachloride	50.00	47.1	94.3	65 - 140
Chlorobenzene	50.00	46.2	92.4	80 - 120
Chloroethane	50.00	52.5	105	60 - 135
Chloroform	50.00	46.3	92.6	65 - 135
Chloromethane	50.00	49.7	99.3	40 - 125
2-Chlorotoluene	50.00	47.6	95.1	75 - 125
4-Chlorotoluene	50.00	47.7	95.5	75 - 130
Dibromochloromethane	50.00	42.8	85.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.5	93.0	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.3	92.5	80 - 120
Dibromomethane	50.00	46.1	92.2	75 - 125
1,2-Dichlorobenzene	50.00	45.3	90.6	70 - 120
1,3-Dichlorobenzene	50.00	45.9	91.8	75 - 125
1,4-Dichlorobenzene	50.00	45.9	91.8	75 - 125
Dichlorodifluoromethane	50.00	45.9	91.9	30 - 155
1,1-Dichloroethane	50.00	50.0	100	70 - 135
1,2-Dichloroethane	50.00	48.0	95.9	70 - 130
1,1-Dichloroethene	50.00	48.7	97.4	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27013	Laboratory ID:	2G27013-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	51.8	104	70 - 125
trans-1,2-Dichloroethene	50.00	50.7	101	60 - 140
1,2-Dichloropropane	50.00	53.3	107	75 - 125
1,3-Dichloropropane	50.00	47.4	94.8	75 - 125
2,2-Dichloropropane	50.00	47.5	95.1	70 - 135
1,1-Dichloropropene	50.00	52.7	105	75 - 130
cis-1,3-Dichloropropene	50.00	53.5	107	70 - 130
trans-1,3-Dichloropropene	50.00	41.5	83.0	55 - 140
Ethylbenzene	50.00	49.8	99.6	75 - 125
Hexachlorobutadiene	50.00	41.6	83.1	50 - 140
2-Hexanone	100.0	115	115	55 - 130
Isopropylbenzene	50.00	46.8	93.7	75 - 125
p-Isopropyltoluene	50.00	45.2	90.4	75 - 130
Methylene chloride	50.00	49.6	99.3	55 - 140
Naphthalene	50.00	44.4	88.9	55 - 140
4-Methyl-2-pentanone	100.0	124	124	60 - 135
Methyl t-Butyl Ether	50.00	51.9	104	65 - 125
n-Propylbenzene	50.00	50.2	100	70 - 130
Styrene	50.00	50.5	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.8	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.6	93.2	80 - 130
Tetrachloroethene	50.00	43.1	86.2	45 - 150
Toluene	50.00	46.9	93.7	75 - 120
1,2,3-Trichlorobenzene	50.00	45.8	91.7	55 - 140
1,2,4-Trichlorobenzene	50.00	45.5	91.0	65 - 135
1,1,2-Trichloroethane	50.00	46.4	92.9	75 - 125
1,1,1-Trichloroethane	50.00	46.1	92.3	65 - 130
Trichloroethene	50.00	45.0	90.1	70 - 125
Trichlorofluoromethane	50.00	46.3	92.7	60 - 145
1,2,3-Trichloropropane	50.00	47.5	95.1	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27013	Laboratory ID:	2G27013-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	51.4	103	75 - 130
1,2,4-Trimethylbenzene	50.00	50.2	100	75 - 130
Vinyl chloride	50.00	65.2	130	50 - 145
Xylenes (total)	150.0	141	94.0	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31016	Laboratory ID:	2G31016-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.9	92.9	40 - 140
Benzene	50.00	49.3	98.7	80 - 120
Bromobenzene	50.00	48.2	96.5	75 - 125
Bromochloromethane	50.00	48.9	97.9	65 - 130
Bromodichloromethane	50.00	44.5	89.1	75 - 120
Bromoform	50.00	47.3	94.7	70 - 130
Bromomethane	50.00	46.0	92.1	30 - 145
n-Butylbenzene	50.00	47.4	94.8	70 - 135
2-Butanone	100.0	99.5	99.5	30 - 150
sec-Butylbenzene	50.00	49.1	98.2	70 - 125
tert-Butylbenzene	50.00	50.5	101	70 - 130
Carbon disulfide	50.00	43.0	86.1	35 - 160
Carbon tetrachloride	50.00	46.0	92.0	65 - 140
Chlorobenzene	50.00	45.5	91.1	80 - 120
Chloroethane	50.00	51.6	103	60 - 135
Chloroform	50.00	45.9	91.8	65 - 135
Chloromethane	50.00	46.7	93.4	40 - 125
2-Chlorotoluene	50.00	48.8	97.5	75 - 125
4-Chlorotoluene	50.00	47.4	94.7	75 - 130
Dibromochloromethane	50.00	46.0	92.0	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.1	98.2	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.8	95.7	80 - 120
Dibromomethane	50.00	46.1	92.1	75 - 125
1,2-Dichlorobenzene	50.00	48.2	96.4	70 - 120
1,3-Dichlorobenzene	50.00	47.8	95.5	75 - 125
1,4-Dichlorobenzene	50.00	47.1	94.1	75 - 125
Dichlorodifluoromethane	50.00	40.7	81.4	30 - 155
1,1-Dichloroethane	50.00	47.7	95.4	70 - 135
1,2-Dichloroethane	50.00	47.0	94.1	70 - 130
1,1-Dichloroethene	50.00	44.1	88.2	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31016	Laboratory ID:	2G31016-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.7	97.5	70 - 125
trans-1,2-Dichloroethene	50.00	47.6	95.3	60 - 140
1,2-Dichloropropane	50.00	49.8	99.5	75 - 125
1,3-Dichloropropane	50.00	47.8	95.5	75 - 125
2,2-Dichloropropane	**50.00**	**31.4**	**62.7**	**70 - 135**
1,1-Dichloropropene	50.00	47.3	94.6	75 - 130
cis-1,3-Dichloropropene	50.00	47.9	95.9	70 - 130
trans-1,3-Dichloropropene	50.00	41.5	82.9	55 - 140
Ethylbenzene	50.00	47.7	95.4	75 - 125
Hexachlorobutadiene	50.00	47.3	94.5	50 - 140
2-Hexanone	100.0	103	103	55 - 130
Isopropylbenzene	50.00	45.5	91.1	75 - 125
p-Isopropyltoluene	50.00	44.5	89.0	75 - 130
Methylene chloride	50.00	43.1	86.1	55 - 140
Naphthalene	50.00	47.2	94.4	55 - 140
4-Methyl-2-pentanone	100.0	104	104	60 - 135
Methyl t-Butyl Ether	50.00	48.7	97.5	65 - 125
n-Propylbenzene	50.00	48.0	95.9	70 - 130
Styrene	50.00	49.6	99.1	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.6	95.2	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.2	92.5	80 - 130
Tetrachloroethene	50.00	45.5	91.0	45 - 150
Toluene	50.00	47.5	95.0	75 - 120
1,2,3-Trichlorobenzene	50.00	50.3	101	55 - 140
1,2,4-Trichlorobenzene	50.00	49.5	99.0	65 - 135
1,1,2-Trichloroethane	50.00	48.7	97.4	75 - 125
1,1,1-Trichloroethane	50.00	47.9	95.9	65 - 130
Trichloroethene	50.00	48.4	96.9	70 - 125
Trichlorofluoromethane	50.00	45.3	90.6	60 - 145
1,2,3-Trichloropropane	50.00	47.6	95.3	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31016	Laboratory ID:	2G31016-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	51.1	102	75 - 130
1,2,4-Trimethylbenzene	50.00	49.4	98.8	75 - 130
Vinyl chloride	50.00	56.6	113	50 - 145
Xylenes (total)	150.0	144	96.0	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01003	Laboratory ID:	2H01003-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	80.3	80.3	40 - 140
Benzene	50.00	45.6	91.2	80 - 120
Bromobenzene	50.00	45.1	90.1	75 - 125
Bromochloromethane	50.00	49.2	98.4	65 - 130
Bromodichloromethane	50.00	45.9	91.9	75 - 120
Bromoform	50.00	47.5	95.0	70 - 130
Bromomethane	50.00	43.0	86.0	30 - 145
n-Butylbenzene	50.00	41.6	83.3	70 - 135
2-Butanone	100.0	99.7	99.7	30 - 150
sec-Butylbenzene	50.00	43.1	86.1	70 - 125
tert-Butylbenzene	50.00	45.8	91.7	70 - 130
Carbon disulfide	50.00	40.4	80.8	35 - 160
Carbon tetrachloride	50.00	51.9	104	65 - 140
Chlorobenzene	50.00	45.0	90.0	80 - 120
Chloroethane	50.00	43.9	87.9	60 - 135
Chloroform	50.00	44.8	89.7	65 - 135
Chloromethane	50.00	34.7	69.4	40 - 125
2-Chlorotoluene	50.00	43.4	86.7	75 - 125
4-Chlorotoluene	50.00	42.8	85.7	75 - 130
Dibromochloromethane	50.00	46.8	93.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.8	91.5	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.6	91.2	80 - 120
Dibromomethane	50.00	44.3	88.6	75 - 125
1,2-Dichlorobenzene	50.00	44.5	89.0	70 - 120
1,3-Dichlorobenzene	50.00	45.3	90.6	75 - 125
1,4-Dichlorobenzene	50.00	45.9	91.9	75 - 125
Dichlorodifluoromethane	50.00	41.8	83.7	30 - 155
1,1-Dichloroethane	50.00	46.1	92.3	70 - 135
1,2-Dichloroethane	50.00	44.6	89.2	70 - 130
1,1-Dichloroethene	50.00	40.8	81.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01003	Laboratory ID:	2H01003-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	46.1	92.1	70 - 125
trans-1,2-Dichloroethene	50.00	46.0	92.0	60 - 140
1,2-Dichloropropane	50.00	47.2	94.3	75 - 125
1,3-Dichloropropane	50.00	45.8	91.6	75 - 125
2,2-Dichloropropane	50.00	51.4	103	70 - 135
1,1-Dichloropropene	50.00	46.3	92.6	75 - 130
cis-1,3-Dichloropropene	50.00	50.8	102	70 - 130
trans-1,3-Dichloropropene	50.00	44.1	88.2	55 - 140
Ethylbenzene	50.00	45.2	90.4	75 - 125
Hexachlorobutadiene	50.00	41.4	82.7	50 - 140
2-Hexanone	100.0	109	109	55 - 130
Isopropylbenzene	50.00	42.6	85.2	75 - 125
p-Isopropyltoluene	50.00	42.6	85.2	75 - 130
Methylene chloride	50.00	39.4	78.9	55 - 140
Naphthalene	50.00	42.4	84.9	55 - 140
4-Methyl-2-pentanone	100.0	113	113	60 - 135
Methyl t-Butyl Ether	50.00	48.2	96.3	65 - 125
n-Propylbenzene	50.00	43.3	86.6	70 - 130
Styrene	50.00	46.2	92.3	65 - 135
1,1,2,2-Tetrachloroethane	50.00	43.3	86.7	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.5	103	80 - 130
Tetrachloroethene	50.00	45.7	91.5	45 - 150
Toluene	50.00	45.1	90.1	75 - 120
1,2,3-Trichlorobenzene	50.00	40.5	81.1	55 - 140
1,2,4-Trichlorobenzene	50.00	40.1	80.2	65 - 135
1,1,2-Trichloroethane	50.00	45.7	91.4	75 - 125
1,1,1-Trichloroethane	50.00	48.9	97.9	65 - 130
Trichloroethene	50.00	47.0	94.0	70 - 125
Trichlorofluoromethane	50.00	42.2	84.3	60 - 145
1,2,3-Trichloropropane	50.00	45.8	91.6	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01003	Laboratory ID:	2H01003-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	46.2	92.4	75 - 130
1,2,4-Trimethylbenzene	50.00	45.5	91.0	75 - 130
Vinyl chloride	50.00	48.5	96.9	50 - 145
Xylenes (total)	150.0	134	89.2	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	70.6	70.6	12.9	30	40 - 140
Benzene	50.00	46.9	93.8	2.81	30	80 - 120
Bromobenzene	50.00	46.8	93.6	3.83	30	75 - 125
Bromochloromethane	50.00	50.4	101	2.33	30	65 - 130
Bromodichloromethane	50.00	47.4	94.8	3.11	30	75 - 120
Bromoform	50.00	45.7	91.5	3.75	30	70 - 130
Bromomethane	50.00	41.6	83.1	3.45	30	30 - 145
n-Butylbenzene	50.00	40.8	81.5	2.14	30	70 - 135
2-Butanone	100.0	91.5	91.5	8.59	30	30 - 150
sec-Butylbenzene	50.00	43.5	87.1	1.09	30	70 - 125
tert-Butylbenzene	50.00	45.9	91.8	0.153	30	70 - 130
Carbon disulfide	50.00	38.7	77.4	4.30	30	35 - 160
Carbon tetrachloride	50.00	50.8	102	2.10	30	65 - 140
Chlorobenzene	50.00	46.3	92.6	2.80	30	80 - 120
Chloroethane	50.00	41.9	83.8	4.71	30	60 - 135
Chloroform	50.00	45.9	91.7	2.25	30	65 - 135
Chloromethane	50.00	32.3	64.6	7.13	30	40 - 125
2-Chlorotoluene	50.00	44.4	88.9	2.44	30	75 - 125
4-Chlorotoluene	50.00	44.3	88.7	3.44	30	75 - 130
Dibromochloromethane	50.00	46.9	93.8	0.320	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.4	88.9	2.97	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.0	94.0	2.96	30	80 - 120
Dibromomethane	50.00	46.2	92.4	4.26	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01003	Laboratory ID:	2H01003-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	45.8	91.6	2.90	30	70 - 120
1,3-Dichlorobenzene	50.00	45.7	91.4	0.923	30	75 - 125
1,4-Dichlorobenzene	50.00	46.7	93.4	1.62	30	75 - 125
Dichlorodifluoromethane	50.00	36.2	72.4	14.5	30	30 - 155
1,1-Dichloroethane	50.00	46.0	92.0	0.282	30	70 - 135
1,2-Dichloroethane	50.00	47.2	94.5	5.75	30	70 - 130
1,1-Dichloroethene	50.00	39.4	78.7	3.62	30	70 - 130
cis-1,2-Dichloroethene	50.00	46.8	93.7	1.68	30	70 - 125
trans-1,2-Dichloroethene	50.00	45.8	91.7	0.370	30	60 - 140
1,2-Dichloropropane	50.00	48.9	97.7	3.58	30	75 - 125
1,3-Dichloropropane	50.00	46.5	93.0	1.47	30	75 - 125
2,2-Dichloropropane	50.00	46.7	93.5	9.48	30	70 - 135
1,1-Dichloropropene	50.00	46.4	92.9	0.367	30	75 - 130
cis-1,3-Dichloropropene	50.00	51.5	103	1.45	30	70 - 130
trans-1,3-Dichloropropene	50.00	44.4	88.8	0.768	30	55 - 140
Ethylbenzene	50.00	45.9	91.8	1.58	30	75 - 125
Hexachlorobutadiene	50.00	33.5	67.1	20.9	30	50 - 140
2-Hexanone	100.0	98.5	98.5	9.90	30	55 - 130
Isopropylbenzene	50.00	43.6	87.3	2.39	30	75 - 125
p-Isopropyltoluene	50.00	42.7	85.4	0.281	30	75 - 130
Methylene chloride	50.00	39.6	79.2	0.430	30	55 - 140
Naphthalene	50.00	38.5	77.0	9.69	30	55 - 140
4-Methyl-2-pentanone	100.0	103	103	9.13	30	60 - 135
Methyl t-Butyl Ether	50.00	47.6	95.2	1.11	30	65 - 125
n-Propylbenzene	50.00	44.4	88.8	2.49	30	70 - 130
Styrene	50.00	47.8	95.6	3.47	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	43.0	86.1	0.672	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.7	103	0.368	30	80 - 130
Tetrachloroethene	50.00	45.0	89.9	1.70	30	45 - 150
Toluene	50.00	46.5	93.0	3.17	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01003	Laboratory ID:	2H01003-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	35.3	70.6	13.8	30	55 - 140
1,2,4-Trichlorobenzene	50.00	37.4	74.8	7.02	30	65 - 135
1,1,2-Trichloroethane	50.00	46.7	93.4	2.14	30	75 - 125
1,1,1-Trichloroethane	50.00	49.2	98.4	0.530	30	65 - 130
Trichloroethene	50.00	47.5	95.0	1.04	30	70 - 125
Trichlorofluoromethane	50.00	41.0	82.0	2.72	30	60 - 145
1,2,3-Trichloropropane	50.00	47.0	94.0	2.56	30	75 - 125
1,3,5-Trimethylbenzene	50.00	47.3	94.6	2.33	30	75 - 130
1,2,4-Trimethylbenzene	50.00	46.4	92.8	1.92	30	75 - 130
Vinyl chloride	50.00	45.7	91.4	5.91	30	50 - 145
Xylenes (total)	150.0	137	91.4	2.44	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H02012	Laboratory ID:	2H02012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	97.0	97.0	40 - 140
Benzene	50.00	49.2	98.4	80 - 120
Bromobenzene	50.00	48.7	97.4	75 - 125
Bromochloromethane	50.00	48.8	97.6	65 - 130
Bromodichloromethane	50.00	45.2	90.3	75 - 120
Bromoform	50.00	48.3	96.5	70 - 130
Bromomethane	50.00	46.2	92.4	30 - 145
n-Butylbenzene	50.00	51.4	103	70 - 135
2-Butanone	100.0	109	109	30 - 150
sec-Butylbenzene	50.00	51.6	103	70 - 125
tert-Butylbenzene	50.00	51.2	102	70 - 130
Carbon disulfide	50.00	44.0	88.1	35 - 160
Carbon tetrachloride	50.00	48.2	96.4	65 - 140
Chlorobenzene	50.00	47.4	94.7	80 - 120
Chloroethane	50.00	49.9	99.8	60 - 135
Chloroform	50.00	45.3	90.6	65 - 135
Chloromethane	50.00	41.2	82.3	40 - 125
2-Chlorotoluene	50.00	49.5	99.0	75 - 125
4-Chlorotoluene	50.00	50.1	100	75 - 130
Dibromochloromethane	50.00	47.1	94.2	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.8	97.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.0	96.1	80 - 120
Dibromomethane	50.00	45.9	91.9	75 - 125
1,2-Dichlorobenzene	50.00	48.7	97.3	70 - 120
1,3-Dichlorobenzene	50.00	48.7	97.4	75 - 125
1,4-Dichlorobenzene	50.00	48.5	97.0	75 - 125
Dichlorodifluoromethane	50.00	42.6	85.2	30 - 155
1,1-Dichloroethane	50.00	46.6	93.1	70 - 135
1,2-Dichloroethane	50.00	48.6	97.2	70 - 130
1,1-Dichloroethene	50.00	44.4	88.7	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H02012	Laboratory ID:	2H02012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	47.8	95.5	70 - 125
trans-1,2-Dichloroethene	50.00	47.3	94.6	60 - 140
1,2-Dichloropropane	50.00	49.1	98.2	75 - 125
1,3-Dichloropropane	50.00	49.4	98.7	75 - 125
2,2-Dichloropropane	50.00	51.0	102	70 - 135
1,1-Dichloropropene	50.00	48.7	97.5	75 - 130
cis-1,3-Dichloropropene	50.00	52.1	104	70 - 130
trans-1,3-Dichloropropene	50.00	46.4	92.8	55 - 140
Ethylbenzene	50.00	50.0	99.9	75 - 125
Hexachlorobutadiene	50.00	49.4	98.8	50 - 140
2-Hexanone	100.0	119	119	55 - 130
Isopropylbenzene	50.00	48.0	95.9	75 - 125
p-Isopropyltoluene	50.00	47.9	95.8	75 - 130
Methylene chloride	50.00	43.3	86.6	55 - 140
Naphthalene	50.00	47.5	95.0	55 - 140
4-Methyl-2-pentanone	100.0	115	115	60 - 135
Methyl t-Butyl Ether	50.00	50.4	101	65 - 125
n-Propylbenzene	50.00	49.2	98.4	70 - 130
Styrene	50.00	50.9	102	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.5	94.9	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.0	95.9	80 - 130
Tetrachloroethene	50.00	47.9	95.9	45 - 150
Toluene	50.00	48.7	97.4	75 - 120
1,2,3-Trichlorobenzene	50.00	51.5	103	55 - 140
1,2,4-Trichlorobenzene	50.00	52.4	105	65 - 135
1,1,2-Trichloroethane	50.00	48.6	97.2	75 - 125
1,1,1-Trichloroethane	50.00	48.1	96.2	65 - 130
Trichloroethene	50.00	49.2	98.4	70 - 125
Trichlorofluoromethane	50.00	48.1	96.1	60 - 145
1,2,3-Trichloropropane	50.00	49.1	98.2	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H02012	Laboratory ID:	2H02012-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	52.9	106	75 - 130
1,2,4-Trimethylbenzene	50.00	50.6	101	75 - 130
Vinyl chloride	50.00	50.8	102	50 - 145
Xylenes (total)	150.0	148	99.0	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	86.7	86.7		40 - 140
Benzene	50.00	ND	55.6	111		80 - 120
Bromobenzene	50.00	ND	46.9	93.7		75 - 125
Bromochloromethane	50.00	ND	50.8	102		65 - 130
Bromodichloromethane	50.00	ND	48.8	97.6		75 - 120
Bromoform	50.00	ND	46.1	92.1		70 - 130
Bromomethane	50.00	ND	48.0	96.0		30 - 145
n-Butylbenzene	50.00	ND	48.9	97.7		70 - 135
2-Butanone	100.0	ND	103	103		30 - 150
sec-Butylbenzene	50.00	ND	50.2	100		70 - 125
tert-Butylbenzene	50.00	ND	51.1	102		70 - 130
Carbon disulfide	50.00	ND	45.8	91.5		35 - 160
Carbon tetrachloride	50.00	ND	52.0	104		65 - 140
Chlorobenzene	50.00	ND	48.3	96.6		80 - 120
Chloroethane	50.00	ND	54.5	109		60 - 135
Chloroform	50.00	ND	51.0	102		65 - 135
Chloromethane	50.00	ND	53.4	107		40 - 125
2-Chlorotoluene	50.00	ND	50.2	100		75 - 125
4-Chlorotoluene	50.00	ND	49.5	99.1		75 - 130
Dibromochloromethane	50.00	ND	45.1	90.2		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	44.9	89.8		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	47.0	93.9		80 - 120
Dibromomethane	50.00	ND	48.3	96.6		75 - 125
1,2-Dichlorobenzene	50.00	ND	46.4	92.9		70 - 120
1,3-Dichlorobenzene	50.00	ND	46.4	92.8		75 - 125
1,4-Dichlorobenzene	50.00	ND	45.3	90.7		75 - 125
Dichlorodifluoromethane	50.00	0.580	53.3	105		30 - 155
1,1-Dichloroethane	50.00	ND	54.7	109		70 - 135
1,2-Dichloroethane	50.00	ND	49.4	98.8		70 - 130
1,1-Dichloroethene	50.00	ND	52.1	104		70 - 130
cis-1,2-Dichloroethene	50.00	ND	51.8	104		70 - 125
trans-1,2-Dichloroethene	50.00	ND	55.8	112		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	54.5	109		75 - 125
1,3-Dichloropropane	50.00	ND	48.1	96.2		75 - 125
2,2-Dichloropropane	50.00	ND	45.9	91.7		70 - 135
1,1-Dichloropropene	50.00	ND	54.0	108		75 - 130
cis-1,3-Dichloropropene	50.00	ND	53.2	106		70 - 130
trans-1,3-Dichloropropene	50.00	ND	43.7	87.4		55 - 140
Ethylbenzene	50.00	ND	51.9	104		75 - 125
Hexachlorobutadiene	50.00	ND	30.8	61.5		50 - 140
2-Hexanone	100.0	ND	109	109		55 - 130
Isopropylbenzene	50.00	ND	51.6	103		75 - 125
p-Isopropyltoluene	50.00	ND	47.4	94.8		75 - 130
Methylene chloride	50.00	ND	50.4	101		55 - 140
Naphthalene	50.00	ND	39.1	78.2		55 - 140
4-Methyl-2-pentanone	100.0	ND	114	114		60 - 135
Methyl t-Butyl Ether	50.00	ND	53.6	107		65 - 125
n-Propylbenzene	50.00	ND	51.0	102		70 - 130
Styrene	50.00	ND	51.2	102		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	50.8	102		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	48.8	97.6		80 - 130
Tetrachloroethene	50.00	ND	47.0	94.1		45 - 150
Toluene	50.00	ND	51.4	103		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	40.3	80.6		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	40.8	81.7		65 - 135
1,1,2-Trichloroethane	50.00	ND	49.6	99.1		75 - 125
1,1,1-Trichloroethane	50.00	ND	51.9	104		65 - 130
Trichloroethene	50.00	ND	50.3	101		70 - 125
Trichlorofluoromethane	50.00	ND	51.1	102		60 - 145
1,2,3-Trichloropropane	50.00	ND	50.1	100		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	52.1	104		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	50.5	101		75 - 130
Vinyl chloride	50.00	ND	72.8	146	*	50 - 145
Xylenes (total)	150.0	ND	156	104		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	82.2	82.2	5.41		30	40 - 140
Benzene	50.00	53.3	107	4.23		30	80 - 120
Bromobenzene	50.00	48.2	96.3	2.74		30	75 - 125
Bromochloromethane	50.00	50.3	101	0.949		30	65 - 130
Bromodichloromethane	50.00	47.0	93.9	3.82		30	75 - 120
Bromoform	50.00	45.2	90.5	1.82		30	70 - 130
Bromomethane	50.00	49.9	99.8	3.90		30	30 - 145
n-Butylbenzene	50.00	47.7	95.4	2.40		30	70 - 135
2-Butanone	100.0	104	104	0.367		30	30 - 150
sec-Butylbenzene	50.00	52.4	105	4.23		30	70 - 125
tert-Butylbenzene	50.00	52.2	104	2.21		30	70 - 130
Carbon disulfide	50.00	44.1	88.2	3.74		30	35 - 160
Carbon tetrachloride	50.00	47.9	95.8	8.27		30	65 - 140
Chlorobenzene	50.00	48.0	96.1	0.560		30	80 - 120
Chloroethane	50.00	53.8	108	1.39		30	60 - 135
Chloroform	50.00	47.6	95.3	6.79		30	65 - 135
Chloromethane	50.00	52.6	105	1.47		30	40 - 125
2-Chlorotoluene	50.00	49.0	98.1	2.26		30	75 - 125
4-Chlorotoluene	50.00	49.9	99.9	0.784		30	75 - 130
Dibromochloromethane	50.00	45.6	91.1	1.04		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.2	96.3	7.03		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.1	96.2	2.42		30	80 - 120
Dibromomethane	50.00	47.0	93.9	2.81		30	75 - 125
1,2-Dichlorobenzene	50.00	45.8	91.6	1.34		30	70 - 120
1,3-Dichlorobenzene	50.00	48.5	97.1	4.49		30	75 - 125
1,4-Dichlorobenzene	50.00	47.4	94.9	4.55		30	75 - 125
Dichlorodifluoromethane	50.00	49.2	97.2	8.08		30	30 - 155
1,1-Dichloroethane	50.00	52.7	105	3.65		30	70 - 135
1,2-Dichloroethane	50.00	50.0	100	1.19		30	70 - 130
1,1-Dichloroethene	50.00	48.8	97.5	6.64		30	70 - 130
cis-1,2-Dichloroethene	50.00	51.4	103	0.853		30	70 - 125
trans-1,2-Dichloroethene	50.00	52.8	106	5.58		30	60 - 140
1,2-Dichloropropane	50.00	53.8	108	1.33		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	49.7	99.4	3.21		30	75 - 125
2,2-Dichloropropane	50.00	43.1	86.3	6.11		30	70 - 135
1,1-Dichloropropene	50.00	53.2	106	1.31		30	75 - 130
cis-1,3-Dichloropropene	50.00	53.4	107	0.300		30	70 - 130
trans-1,3-Dichloropropene	50.00	43.4	86.8	0.735		30	55 - 140
Ethylbenzene	50.00	51.4	103	0.987		30	75 - 125
Hexachlorobutadiene	50.00	35.5	71.0	14.3		30	50 - 140
2-Hexanone	100.0	108	108	0.157		30	55 - 130
Isopropylbenzene	50.00	49.5	99.1	4.11		30	75 - 125
p-Isopropyltoluene	50.00	46.7	93.3	1.59		30	75 - 130
Methylene chloride	50.00	49.4	98.7	2.07		30	55 - 140
Naphthalene	50.00	41.2	82.3	5.08		30	55 - 140
4-Methyl-2-pentanone	100.0	115	115	1.16		30	60 - 135
Methyl t-Butyl Ether	50.00	53.2	106	0.730		30	65 - 125
n-Propylbenzene	50.00	51.6	103	1.19		30	70 - 130
Styrene	50.00	52.3	105	2.18		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	54.0	108	5.97		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.4	96.8	0.803		30	80 - 130
Tetrachloroethene	50.00	45.4	90.8	3.59		30	45 - 150
Toluene	50.00	51.1	102	0.605		30	75 - 120
1,2,3-Trichlorobenzene	50.00	43.6	87.2	7.89		30	55 - 140
1,2,4-Trichlorobenzene	50.00	43.0	86.0	5.10		30	65 - 135
1,1,2-Trichloroethane	50.00	49.7	99.5	0.342		30	75 - 125
1,1,1-Trichloroethane	50.00	48.8	97.5	6.22		30	65 - 130
Trichloroethene	50.00	47.0	94.0	6.78		30	70 - 125
Trichlorofluoromethane	50.00	48.4	96.8	5.41		30	60 - 145
1,2,3-Trichloropropane	50.00	49.4	98.9	1.33		30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.1	104	0.0384		30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.0	102	1.00		30	75 - 130
Vinyl chloride	50.00	67.0	134	8.32		30	50 - 145
Xylenes (total)	150.0	151	100	3.22		30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	2000	494	2310	90.8		40 - 140
Benzene	1000	1880	2940	106		80 - 120
Bromobenzene	1000	ND	985	98.5		75 - 125
Bromochloromethane	1000	ND	1020	102		65 - 130
Bromodichloromethane	1000	ND	990	99.0		75 - 120
Bromoform	1000	ND	931	93.1		70 - 130
Bromomethane	1000	ND	1110	111		30 - 145
n-Butylbenzene	1000	ND	1080	108		70 - 135
2-Butanone	2000	152	2410	113		30 - 150
sec-Butylbenzene	1000	ND	1090	109		70 - 125
tert-Butylbenzene	1000	ND	1090	109		70 - 130
Carbon disulfide	1000	13.2	985	97.2		35 - 160
Carbon tetrachloride	1000	ND	1080	108		65 - 140
Chlorobenzene	1000	ND	1010	101		80 - 120
Chloroethane	1000	ND	1210	121		60 - 135
Chloroform	1000	ND	1020	102		65 - 135
Chloromethane	1000	ND	1140	114		40 - 125
2-Chlorotoluene	1000	ND	1070	107		75 - 125
4-Chlorotoluene	1000	ND	1050	105		75 - 130
Dibromochloromethane	1000	ND	932	93.2		60 - 135
1,2-Dibromo-3-chloropropane	1000	ND	937	93.7		50 - 130
1,2-Dibromoethane (EDB)	1000	40.0	1020	97.9		80 - 120
Dibromomethane	1000	ND	1000	100		75 - 125
1,2-Dichlorobenzene	1000	ND	963	96.3		70 - 120
1,3-Dichlorobenzene	1000	ND	997	99.7		75 - 125
1,4-Dichlorobenzene	1000	ND	962	96.2		75 - 125
Dichlorodifluoromethane	1000	ND	1100	110		30 - 155
1,1-Dichloroethane	1000	ND	1150	115		70 - 135
1,2-Dichloroethane	1000	ND	1020	102		70 - 130
1,1-Dichloroethene	1000	ND	1110	111		70 - 130
cis-1,2-Dichloroethene	1000	ND	1140	114		70 - 125
trans-1,2-Dichloroethene	1000	ND	1170	117		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	1000	ND	1160	116		75 - 125
1,3-Dichloropropane	1000	ND	997	99.7		75 - 125
2,2-Dichloropropane	1000	ND	961	96.1		70 - 135
1,1-Dichloropropene	1000	ND	1150	115		75 - 130
cis-1,3-Dichloropropene	1000	ND	1140	114		70 - 130
trans-1,3-Dichloropropene	1000	ND	883	88.3		55 - 140
Ethylbenzene	1000	286	1350	107		75 - 125
Hexachlorobutadiene	1000	ND	907	90.7		50 - 140
2-Hexanone	2000	42.2	2300	113		55 - 130
Isopropylbenzene	1000	31.8	1080	105		75 - 125
p-Isopropyltoluene	1000	ND	1010	101		75 - 130
Methylene chloride	1000	ND	1050	105		55 - 140
Naphthalene	1000	37.4	875	83.8		55 - 140
4-Methyl-2-pentanone	2000	51.4	2550	125		60 - 135
Methyl t-Butyl Ether	1000	ND	1100	110		65 - 125
n-Propylbenzene	1000	20.6	1140	112		70 - 130
Styrene	1000	ND	1080	108		65 - 135
1,1,2,2-Tetrachloroethane	1000	ND	1070	107		65 - 130
1,1,1,2-Tetrachloroethane	1000	ND	1000	100		80 - 130
Tetrachloroethene	1000	ND	966	96.6		45 - 150
Toluene	1000	924	1910	98.8		75 - 120
1,2,3-Trichlorobenzene	1000	ND	892	89.2		55 - 140
1,2,4-Trichlorobenzene	1000	ND	880	88.0		65 - 135
1,1,2-Trichloroethane	1000	ND	1000	100		75 - 125
1,1,1-Trichloroethane	1000	ND	1090	109		65 - 130
Trichloroethene	1000	ND	1040	104		70 - 125
Trichlorofluoromethane	1000	ND	1080	108		60 - 145
1,2,3-Trichloropropane	1000	ND	974	97.4		75 - 125
1,3,5-Trimethylbenzene	1000	19.6	1150	113		75 - 130
1,2,4-Trimethylbenzene	1000	33.6	1100	106		75 - 130
Vinyl chloride	1000	ND	1510	151	*	50 - 145
Xylenes (total)	3000	235	3330	103		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	2000	2030	76.6	13.1		30	40 - 140
Benzene	1000	2900	102	1.34		30	80 - 120
Bromobenzene	1000	988	98.8	0.264		30	75 - 125
Bromochloromethane	1000	1060	106	3.43		30	65 - 130
Bromodichloromethane	1000	954	95.4	3.64		30	75 - 120
Bromoform	1000	900	90.0	3.34		30	70 - 130
Bromomethane	1000	1090	109	1.88		30	30 - 145
n-Butylbenzene	1000	1070	107	1.08		30	70 - 135
2-Butanone	2000	2190	102	9.64		30	30 - 150
sec-Butylbenzene	1000	1130	113	4.18		30	70 - 125
tert-Butylbenzene	1000	1060	106	2.34		30	70 - 130
Carbon disulfide	1000	961	94.8	2.47		30	35 - 160
Carbon tetrachloride	1000	1030	103	4.34		30	65 - 140
Chlorobenzene	1000	983	98.3	3.08		30	80 - 120
Chloroethane	1000	1150	115	4.62		30	60 - 135
Chloroform	1000	986	98.6	3.68		30	65 - 135
Chloromethane	1000	1110	111	3.25		30	40 - 125
2-Chlorotoluene	1000	1020	102	5.36		30	75 - 125
4-Chlorotoluene	1000	1040	104	1.57		30	75 - 130
Dibromochloromethane	1000	921	92.1	1.21		30	60 - 135
1,2-Dibromo-3-chloropropane	1000	933	93.3	0.364		30	50 - 130
1,2-Dibromoethane (EDB)	1000	991	95.1	2.83		30	80 - 120
Dibromomethane	1000	959	95.9	4.46		30	75 - 125
1,2-Dichlorobenzene	1000	963	96.3	0.0415		30	70 - 120
1,3-Dichlorobenzene	1000	939	93.9	5.91		30	75 - 125
1,4-Dichlorobenzene	1000	962	96.2	0.0416		30	75 - 125
Dichlorodifluoromethane	1000	1080	108	2.42		30	30 - 155
1,1-Dichloroethane	1000	1100	110	4.65		30	70 - 135
1,2-Dichloroethane	1000	996	99.6	2.17		30	70 - 130
1,1-Dichloroethene	1000	1050	105	5.48		30	70 - 130
cis-1,2-Dichloroethene	1000	1110	111	2.46		30	70 - 125
trans-1,2-Dichloroethene	1000	1110	111	4.78		30	60 - 140
1,2-Dichloropropane	1000	1170	117	0.860		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27013

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	1000	946	94.6	5.21		30	75 - 125
2,2-Dichloropropane	1000	910	91.0	5.37		30	70 - 135
1,1-Dichloropropene	1000	1150	115	0.486		30	75 - 130
cis-1,3-Dichloropropene	1000	1110	111	2.57		30	70 - 130
trans-1,3-Dichloropropene	1000	869	86.9	1.60		30	55 - 140
Ethylbenzene	1000	1260	97.8	6.85		30	75 - 125
Hexachlorobutadiene	1000	912	91.2	0.484		30	50 - 140
2-Hexanone	2000	1970	96.4	15.3		30	55 - 130
Isopropylbenzene	1000	1040	101	3.89		30	75 - 125
p-Isopropyltoluene	1000	979	97.9	3.30		30	75 - 130
Methylene chloride	1000	1040	104	0.786		30	55 - 140
Naphthalene	1000	846	80.9	3.37		30	55 - 140
4-Methyl-2-pentanone	2000	2150	105	16.8		30	60 - 135
Methyl t-Butyl Ether	1000	1050	105	4.07		30	65 - 125
n-Propylbenzene	1000	1120	110	2.09		30	70 - 130
Styrene	1000	1030	103	4.63		30	65 - 135
1,1,2,2-Tetrachloroethane	1000	1060	106	0.658		30	65 - 130
1,1,1,2-Tetrachloroethane	1000	973	97.3	2.90		30	80 - 130
Tetrachloroethene	1000	955	95.5	1.17		30	45 - 150
Toluene	1000	1870	94.6	2.23		30	75 - 120
1,2,3-Trichlorobenzene	1000	861	86.1	3.52		30	55 - 140
1,2,4-Trichlorobenzene	1000	886	88.6	0.747		30	65 - 135
1,1,2-Trichloroethane	1000	1000	100	0.120		30	75 - 125
1,1,1-Trichloroethane	1000	1030	103	5.09		30	65 - 130
Trichloroethene	1000	1040	104	0.346		30	70 - 125
Trichlorofluoromethane	1000	1040	104	4.16		30	60 - 145
1,2,3-Trichloropropane	1000	963	96.3	1.09		30	75 - 125
1,3,5-Trimethylbenzene	1000	1110	109	4.00		30	75 - 130
1,2,4-Trimethylbenzene	1000	1070	104	2.42		30	75 - 130
Vinyl chloride	1000	1450	145	4.30		30	50 - 145
Xylenes (total)	3000	3300	102	1.04		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G27013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/27/12 00:00	5.00	5.00
GW0666	1207130-03	07/27/12 00:00	5.00	5.00
GW0671	1207130-05	07/27/12 00:00	5.00	5.00
GW0673	1207130-07	07/27/12 00:00	5.00	5.00
GW0719	1207130-13	07/27/12 00:00	5.00	5.00
GW0742	1207130-15	07/27/12 00:00	5.00	5.00
GW8216-TB	1207130-17	07/27/12 00:00	5.00	5.00
GW0665	1207138-01	07/27/12 00:00	5.00	5.00
GW0684	1207138-03	07/27/12 00:00	5.00	5.00
GW0692	1207138-05	07/27/12 00:00	5.00	5.00
GW0693	1207138-07	07/27/12 00:00	5.00	5.00
GW0703	1207138-09	07/27/12 00:00	5.00	5.00
GW0740	1207138-11	07/27/12 00:00	5.00	5.00
GW0741	1207138-13	07/27/12 00:00	5.00	5.00
GW8217-TB	1207138-15	07/27/12 00:00	5.00	5.00
Blank	2G27013-BLK1	07/27/12 00:00	5.00	5.00
LCS	2G27013-BS1	07/27/12 00:00	5.00	5.00
GW0671	2G27013-MS1	07/27/12 00:00	5.00	5.00
GW0693	2G27013-MS2	07/27/12 00:00	5.00	5.00
GW0671	2G27013-MSD1	07/27/12 00:00	5.00	5.00
GW0693	2G27013-MSD2	07/27/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G31016 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0717	1207130-09RE1	07/31/12 00:00	5.00	5.00
GW0718	1207130-11RE1	07/31/12 00:00	5.00	5.00
Blank	2G31016-BLK1	07/31/12 00:00	5.00	5.00
LCS	2G31016-BS1	07/31/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H01003 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8218-TB	1207152-19	08/01/12 00:00	5.00	5.00
Blank	2H01003-BLK1	08/01/12 00:00	5.00	5.00
LCS	2H01003-BS1	08/01/12 00:00	5.00	5.00
LCS Dup	2H01003-BSD1	08/01/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H02012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	08/02/12 00:00	5.00	5.00
GW0675	1207152-03	08/02/12 00:00	5.00	5.00
GW0676	1207152-05	08/02/12 00:00	5.00	5.00
GW0681	1207152-07	08/02/12 00:00	5.00	5.00
GW0682	1207152-09	08/02/12 00:00	5.00	5.00
GW0683	1207152-11	08/02/12 00:00	5.00	5.00
GW0690	1207152-13	08/02/12 00:00	5.00	5.00
GW0691	1207152-15	08/02/12 00:00	5.00	5.00
GW0700	1207152-17	08/02/12 00:00	5.00	5.00
Blank	2H02012-BLK1	08/02/12 00:00	5.00	5.00
LCS	2H02012-BS1	08/02/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0413TU1.D	Injection Date:	04/13/12
Instrument ID:	MS-VOA4	Injection Time:	09:02
Sequence:	2D10703	Lab Sample ID:	2D10703-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19	PASS
75	30 - 60% of 95	45.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.99	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	89.5	PASS
175	5 - 9% of 174	7.66	PASS
176	95 - 101% of 174	98.6	PASS
177	5 - 9% of 176	6.96	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0427TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-VOA6	Injection Time:	08:36
Sequence:	2D12109	Lab Sample ID:	2D12109-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0727TU1.D	Injection Date:	07/27/12
Instrument ID:	MS-VOA4	Injection Time:	10:22
Sequence:	2G21203	Lab Sample ID:	2G21203-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19	PASS
75	30 - 60% of 95	44.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.05	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	89.9	PASS
175	5 - 9% of 174	7.38	PASS
176	95 - 101% of 174	95.2	PASS
177	5 - 9% of 176	7.19	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/30/12
Instrument ID:	MS-VOA3	Injection Time:	08:21
Sequence:	2G21301	Lab Sample ID:	2G21301-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.1	PASS
75	30 - 60% of 95	44	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.12	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	107	PASS
175	5 - 9% of 174	7.07	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	6.17	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/31/12
Instrument ID:	MS-VOA3	Injection Time:	07:11
Sequence:	2H21401	Lab Sample ID:	2H21401-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.8	PASS
75	30 - 60% of 95	46	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.79	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	109	PASS
175	5 - 9% of 174	7.24	PASS
176	95 - 101% of 174	95.4	PASS
177	5 - 9% of 176	6.88	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0801TUN1.D	Injection Date:	08/01/12
Instrument ID:	MS-VOA6	Injection Time:	08:02
Sequence:	2H21505	Lab Sample ID:	2H21505-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.1	PASS
75	30 - 60% of 95	48.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.85	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	76.5	PASS
175	5 - 9% of 174	7.29	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.38	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	08/02/12
Instrument ID:	MS-VOA3	Injection Time:	07:10
Sequence:	2H21604	Lab Sample ID:	2H21604-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.9	PASS
75	30 - 60% of 95	46.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.93	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	108	PASS
175	5 - 9% of 174	7.14	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	7.04	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10703	Instrument:	MS-VOA4
Calibration:	2107004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10703-TUN1	0413TU1.D	04/13/12 09:02
Cal Standard	2D10703-CAL1	0413CAL1.D	04/13/12 10:01
Cal Standard	2D10703-CAL2	0413CAL2.D	04/13/12 10:29
Cal Standard	2D10703-CAL3	0413CAL3.D	04/13/12 10:57
Cal Standard	2D10703-CAL4	0413CAL4.D	04/13/12 11:26
Cal Standard	2D10703-CAL5	0413CAL5.D	04/13/12 11:54
Cal Standard	2D10703-CAL6	0413CAL6.D	04/13/12 12:22
Cal Standard	2D10703-CAL7	0413CAL7.D	04/13/12 12:50
Cal Standard	2D10703-CAL8	0413CAL8.D	04/13/12 13:18
Cal Standard	2D10703-CAL9	0413CAL9.D	04/13/12 13:47
Initial Cal Check	2D10703-ICV1	0413ICV1.D	04/13/12 14:43
Initial Cal Check	2D10703-ICV2	0413ICV2.D	04/13/12 15:11

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12109	Instrument:	MS-VOA6
Calibration:	2121003		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
Calibration:	2107004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G21203-TUN1	0727TU1.D	07/27/12 10:22
Calibration Check	2G21203-CCV1	0727CCV1.D	07/27/12 10:51
LCS	2G27013-BS1	0727LCS1.D	07/27/12 11:20
Blank	2G27013-BLK1	0727BLK1.D	07/27/12 12:47
GW8216-TB	1207130-17	0713017.D	07/27/12 13:16
GW8217-TB	1207138-15	0713815.D	07/27/12 13:45
GW0664	1207130-01	0713001.D	07/27/12 14:13
GW0666	1207130-03	0713003.D	07/27/12 14:42
GW0671	1207130-05	0713005.D	07/27/12 15:11
GW0673	1207130-07	0713007.D	07/27/12 15:40
GW0719	1207130-13	0713013.D	07/27/12 16:09
GW0742	1207130-15	0713015.D	07/27/12 16:38
GW0665	1207138-01	0713801.D	07/27/12 17:07
GW0684	1207138-03	0713803.D	07/27/12 17:36
GW0692	1207138-05	0713805.D	07/27/12 18:04
GW0703	1207138-09	0713809.D	07/27/12 18:33
GW0740	1207138-11	0713811.D	07/27/12 19:02
GW0741	1207138-13	0713813.D	07/27/12 19:31
GW0693	1207138-07	0713807D.D	07/27/12 20:58
GW0671	2G27013-MS1	0713005M.D	07/27/12 21:26
GW0671	2G27013-MSD1	0713005S.D	07/27/12 21:55
GW0693	2G27013-MS2	0713807M.D	07/27/12 22:24
GW0693	2G27013-MSD2	0713807S.D	07/27/12 22:53

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21301	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G21301-TUN1	SEQTUN1.D	07/30/12 08:21
Cal Standard	2G21301-CAL1	SEQCAL1.D	07/30/12 09:48
Cal Standard	2G21301-CAL2	SEQCAL2.D	07/30/12 10:17
Cal Standard	2G21301-CAL3	SEQCAL3.D	07/30/12 10:45
Cal Standard	2G21301-CAL4	SEQCAL4.D	07/30/12 11:14
Cal Standard	2G21301-CAL5	SEQCAL5.D	07/30/12 11:42
Cal Standard	2G21301-CAL6	SEQCAL6.D	07/30/12 12:11
Cal Standard	2G21301-CAL7	SEQCAL7.D	07/30/12 12:40
Cal Standard	2G21301-CAL8	SEQCAL8.D	07/30/12 13:08
Cal Standard	2G21301-CAL9	SEQCAL9.D	07/30/12 13:37
Initial Cal Check	2G21301-ICV2	SEQICV2.D	07/30/12 15:03

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21401	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H21401-TUN1	SEQTUN1.D	07/31/12 07:11
Calibration Check	2H21401-CCV1	SEQCCV1.D	07/31/12 07:40
LCS	2G31016-BS1	0731LCS1.D	07/31/12 08:09
Blank	2G31016-BLK1	0731BLK1.D	07/31/12 10:05
GW0717	1207130-09RE1	0713009R.D	07/31/12 16:18
GW0718	1207130-11RE1	0713011R.D	07/31/12 16:47

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21505	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H21505-TUN1	0801TUN1.D	08/01/12 08:02
Calibration Check	2H21505-CCV1	0801CCV1.D	08/01/12 08:29
LCS	2H01003-BS1	0801LCS1.D	08/01/12 08:56
Blank	2H01003-BLK1	0801BL1.D	08/01/12 10:16
GW8218-TB	1207152-19	0715219.D	08/01/12 13:21
LCS Dup	2H01003-BSD1	0801LCD1.D	08/01/12 17:48

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21604	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H21604-TUN1	SEQTUN1.D	08/02/12 07:10
Calibration Check	2H21604-CCV1	SEQCCV1.D	08/02/12 07:40
LCS	2H02012-BS1	0802LCS1.D	08/02/12 08:09
Blank	2H02012-BLK1	0802BLK1.D	08/02/12 09:35
GW0674	1207152-01	0715201.D	08/02/12 10:04
GW0675	1207152-03	0715203.D	08/02/12 10:32
GW0676	1207152-05	0715205.D	08/02/12 11:01
GW0681	1207152-07	0715207.D	08/02/12 11:29
GW0682	1207152-09	0715209.D	08/02/12 11:58
GW0683	1207152-11	0715211.D	08/02/12 12:27
GW0690	1207152-13	0715213.D	08/02/12 12:56
GW0691	1207152-15	0715215.D	08/02/12 13:24
GW0700	1207152-17	0715217D.D	08/02/12 13:53

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G21203-CCV1)			Lab File ID: 0727CCV1.D			Analyzed: 07/27/12 10:51			
Fluorobenzene	900055	7.96	1110918	7.95	81	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	390542	11.07	441801	11.05	88	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	460872	13.46	491408	13.45	94	50 - 200	0.0100	+/-0.50	
LCS (2G27013-BS1)			Lab File ID: 0727LCS1.D			Analyzed: 07/27/12 11:20			
Fluorobenzene	915038	7.96	900055	7.96	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	409454	11.07	390542	11.07	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	455921	13.46	460872	13.46	99	50 - 200	0.0000	+/-0.50	
Blank (2G27013-BLK1)			Lab File ID: 0727BLK1.D			Analyzed: 07/27/12 12:47			
Fluorobenzene	851569	7.96	900055	7.96	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	382582	11.07	390542	11.07	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	419688	13.47	460872	13.46	91	50 - 200	0.0100	+/-0.50	
GW8216-TB (1207130-17)			Lab File ID: 0713017.D			Analyzed: 07/27/12 13:16			
Fluorobenzene	860764	7.95	900055	7.96	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	391199	11.07	390542	11.07	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	408445	13.47	460872	13.46	89	50 - 200	0.0100	+/-0.50	
GW8217-TB (1207138-15)			Lab File ID: 0713815.D			Analyzed: 07/27/12 13:45			
Fluorobenzene	848523	7.96	900055	7.96	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	383573	11.07	390542	11.07	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	418072	13.47	460872	13.46	91	50 - 200	0.0100	+/-0.50	
GW0664 (1207130-01)			Lab File ID: 0713001.D			Analyzed: 07/27/12 14:13			
Fluorobenzene	831835	7.96	900055	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	379151	11.07	390542	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	426563	13.47	460872	13.46	93	50 - 200	0.0100	+/-0.50	
GW0666 (1207130-03)			Lab File ID: 0713003.D			Analyzed: 07/27/12 14:42			
Fluorobenzene	837303	7.96	900055	7.96	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	376749	11.07	390542	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	415037	13.47	460872	13.46	90	50 - 200	0.0100	+/-0.50	
GW0671 (1207130-05)			Lab File ID: 0713005.D			Analyzed: 07/27/12 15:11			
Fluorobenzene	827279	7.96	900055	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	381035	11.07	390542	11.07	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	418623	13.47	460872	13.46	91	50 - 200	0.0100	+/-0.50	
GW0673 (1207130-07)			Lab File ID: 0713007.D			Analyzed: 07/27/12 15:40			
Fluorobenzene	828811	7.96	900055	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	366748	11.07	390542	11.07	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	405662	13.46	460872	13.46	88	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0719 (1207130-13)			Lab File ID: 0713013.D			Analyzed: 07/27/12 16:09			
Fluorobenzene	875372	7.96	900055	7.96	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	378753	11.07	390542	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	420732	13.47	460872	13.46	91	50 - 200	0.0100	+/-0.50	
GW0742 (1207130-15)			Lab File ID: 0713015.D			Analyzed: 07/27/12 16:38			
Fluorobenzene	832476	7.96	900055	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	375740	11.07	390542	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	414977	13.46	460872	13.46	90	50 - 200	0.0000	+/-0.50	
GW0665 (1207138-01)			Lab File ID: 0713801.D			Analyzed: 07/27/12 17:07			
Fluorobenzene	795587	7.96	900055	7.96	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	375471	11.07	390542	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	410888	13.47	460872	13.46	89	50 - 200	0.0100	+/-0.50	
GW0684 (1207138-03)			Lab File ID: 0713803.D			Analyzed: 07/27/12 17:36			
Fluorobenzene	825878	7.96	900055	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	360378	11.07	390542	11.07	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	410517	13.46	460872	13.46	89	50 - 200	0.0000	+/-0.50	
GW0692 (1207138-05)			Lab File ID: 0713805.D			Analyzed: 07/27/12 18:04			
Fluorobenzene	816001	7.96	900055	7.96	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	371852	11.07	390542	11.07	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	415016	13.46	460872	13.46	90	50 - 200	0.0000	+/-0.50	
GW0703 (1207138-09)			Lab File ID: 0713809.D			Analyzed: 07/27/12 18:33			
Fluorobenzene	836433	7.96	900055	7.96	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	376872	11.07	390542	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	432651	13.46	460872	13.46	94	50 - 200	0.0000	+/-0.50	
GW0740 (1207138-11)			Lab File ID: 0713811.D			Analyzed: 07/27/12 19:02			
Fluorobenzene	845260	7.96	900055	7.96	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	382264	11.07	390542	11.07	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	410005	13.46	460872	13.46	89	50 - 200	0.0000	+/-0.50	
GW0741 (1207138-13)			Lab File ID: 0713813.D			Analyzed: 07/27/12 19:31			
Fluorobenzene	818307	7.96	900055	7.96	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	372563	11.07	390542	11.07	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	403855	13.47	460872	13.46	88	50 - 200	0.0100	+/-0.50	
GW0693 (1207138-07)			Lab File ID: 0713807D.D			Analyzed: 07/27/12 20:58			
Fluorobenzene	810542	7.96	900055	7.96	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	354872	11.07	390542	11.07	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	393834	13.46	460872	13.46	85	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21203	Instrument:	MS-VOA4
		Calibration:	2107004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2G27013-MS1)			Lab File ID: 0713005M.D			Analyzed: 07/27/12 21:26			
Fluorobenzene	854924	7.96	900055	7.96	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	373782	11.07	390542	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	432772	13.47	460872	13.46	94	50 - 200	0.0100	+/-0.50	
Matrix Spike Dup (2G27013-MSD1)			Lab File ID: 0713005S.D			Analyzed: 07/27/12 21:55			
Fluorobenzene	906316	7.96	900055	7.96	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	391135	11.07	390542	11.07	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	438233	13.46	460872	13.46	95	50 - 200	0.0000	+/-0.50	
Matrix Spike (2G27013-MS2)			Lab File ID: 0713807M.D			Analyzed: 07/27/12 22:24			
Fluorobenzene	887017	7.96	900055	7.96	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	392412	11.07	390542	11.07	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	441848	13.46	460872	13.46	96	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2G27013-MSD2)			Lab File ID: 0713807S.D			Analyzed: 07/27/12 22:53			
Fluorobenzene	927619	7.96	900055	7.96	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	411922	11.07	390542	11.07	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	455841	13.46	460872	13.46	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21401	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H21401-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 07/31/12 07:40			
Fluorobenzene	399592	7.767	424767	7.767	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	175658	10.912	180527	10.912	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	256760	13.322	265672	13.321	97	50 - 200	0.0010	+/-0.50	
LCS (2G31016-BS1)			Lab File ID: 0731LCS1.D			Analyzed: 07/31/12 08:09			
Fluorobenzene	406286	7.767	399592	7.767	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	177088	10.912	175658	10.912	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	254739	13.322	256760	13.322	99	50 - 200	0.0000	+/-0.50	
Blank (2G31016-BLK1)			Lab File ID: 0731BLK1.D			Analyzed: 07/31/12 10:05			
Fluorobenzene	392602	7.767	399592	7.767	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	167655	10.912	175658	10.912	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	235626	13.321	256760	13.322	92	50 - 200	-0.0010	+/-0.50	
GW0717 (1207130-09RE1)			Lab File ID: 0713009R.D			Analyzed: 07/31/12 16:18			
Fluorobenzene	380129	7.767	399592	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	163235	10.912	175658	10.912	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	231812	13.322	256760	13.322	90	50 - 200	0.0000	+/-0.50	
GW0718 (1207130-11RE1)			Lab File ID: 0713011R.D			Analyzed: 07/31/12 16:47			
Fluorobenzene	378720	7.767	399592	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	161849	10.912	175658	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	230640	13.321	256760	13.322	90	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21505	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H21505-CCV1)			Lab File ID: 0801CCV1.D			Analyzed: 08/01/12 08:29			
Fluorobenzene	1076554	7.97	1322112	7.95	81	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	431730	11.08	523124	11.06	83	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	358152	13.47	431103	13.45	83	50 - 200	0.0200	+/-0.50	
LCS (2H01003-BS1)			Lab File ID: 0801LCS1.D			Analyzed: 08/01/12 08:56			
Fluorobenzene	1050720	7.97	1076554	7.97	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	431362	11.07	431730	11.08	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	354034	13.48	358152	13.47	99	50 - 200	0.0100	+/-0.50	
Blank (2H01003-BLK1)			Lab File ID: 0801BL1.D			Analyzed: 08/01/12 10:16			
Fluorobenzene	1008483	7.97	1076554	7.97	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	409197	11.07	431730	11.08	95	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	335785	13.48	358152	13.47	94	50 - 200	0.0100	+/-0.50	
GW8218-TB (1207152-19)			Lab File ID: 0715219.D			Analyzed: 08/01/12 13:21			
Fluorobenzene	983138	7.97	1076554	7.97	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	405845	11.08	431730	11.08	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	328187	13.47	358152	13.47	92	50 - 200	0.0000	+/-0.50	
LCS Dup (2H01003-BSD1)			Lab File ID: 0801LCD1.D			Analyzed: 08/01/12 17:48			
Fluorobenzene	997805	7.97	1076554	7.97	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	409864	11.08	431730	11.08	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	336184	13.47	358152	13.47	94	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21604	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H21604-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 08/02/12 07:40			
Fluorobenzene	436127	7.767	424767	7.767	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	194695	10.912	180527	10.912	108	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	280142	13.321	265672	13.321	105	50 - 200	0.0000	+/-0.50	
LCS (2H02012-BS1)			Lab File ID: 0802LCS1.D			Analyzed: 08/02/12 08:09			
Fluorobenzene	446102	7.767	436127	7.767	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	191132	10.912	194695	10.912	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	279502	13.322	280142	13.321	100	50 - 200	0.0010	+/-0.50	
Blank (2H02012-BLK1)			Lab File ID: 0802BLK1.D			Analyzed: 08/02/12 09:35			
Fluorobenzene	416417	7.767	436127	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	178511	10.912	194695	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	260373	13.322	280142	13.321	93	50 - 200	0.0010	+/-0.50	
GW0674 (1207152-01)			Lab File ID: 0715201.D			Analyzed: 08/02/12 10:04			
Fluorobenzene	420050	7.767	436127	7.767	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	176541	10.912	194695	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	256495	13.321	280142	13.321	92	50 - 200	0.0000	+/-0.50	
GW0675 (1207152-03)			Lab File ID: 0715203.D			Analyzed: 08/02/12 10:32			
Fluorobenzene	407303	7.767	436127	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	182832	10.912	194695	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	253420	13.322	280142	13.321	90	50 - 200	0.0010	+/-0.50	
GW0676 (1207152-05)			Lab File ID: 0715205.D			Analyzed: 08/02/12 11:01			
Fluorobenzene	414364	7.767	436127	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	178819	10.912	194695	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	257538	13.321	280142	13.321	92	50 - 200	0.0000	+/-0.50	
GW0681 (1207152-07)			Lab File ID: 0715207.D			Analyzed: 08/02/12 11:29			
Fluorobenzene	422641	7.767	436127	7.767	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	177956	10.912	194695	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	253949	13.322	280142	13.321	91	50 - 200	0.0010	+/-0.50	
GW0682 (1207152-09)			Lab File ID: 0715209.D			Analyzed: 08/02/12 11:58			
Fluorobenzene	420187	7.767	436127	7.767	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	184295	10.912	194695	10.912	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	260016	13.321	280142	13.321	93	50 - 200	0.0000	+/-0.50	
GW0683 (1207152-11)			Lab File ID: 0715211.D			Analyzed: 08/02/12 12:27			
Fluorobenzene	422328	7.767	436127	7.767	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	180994	10.919	194695	10.912	93	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	253269	13.322	280142	13.321	90	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21604	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0690 (1207152-13)			Lab File ID: 0715213.D			Analyzed: 08/02/12 12:56			
Fluorobenzene	420331	7.767	436127	7.767	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	179722	10.912	194695	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	250033	13.321	280142	13.321	89	50 - 200	0.0000	+/-0.50	
GW0691 (1207152-15)			Lab File ID: 0715215.D			Analyzed: 08/02/12 13:24			
Fluorobenzene	411291	7.767	436127	7.767	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	176378	10.912	194695	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	257799	13.322	280142	13.321	92	50 - 200	0.0010	+/-0.50	
GW0700 (1207152-17)			Lab File ID: 0715217D.D			Analyzed: 08/02/12 13:53			
Fluorobenzene	416436	7.773	436127	7.767	95	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	176161	10.912	194695	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	242925	13.321	280142	13.321	87	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12_10:01 4/13/12_13:47

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
Acetone	1	0.1029955	2	0.1121187	4	0.0938225	10	9.003229E-02	20	7.811788E-02	100	7.854126E-02
Acrolein	2.502	2.850271E-02	5.005	3.268026E-02	10.01	3.213213E-02	25.02	3.323807E-02	50.05	2.932187E-02	250.2	0.0304651
Acrylonitrile	2.498	7.322646E-02	4.997	8.129367E-02	9.994	7.730646E-02	24.98	8.490491E-02	49.97	7.760592E-02	249.8	7.863332E-02
Benzene	0.5	0.8743063	1	0.9032561	2	0.9490994	5	0.9315706	10	0.9045093	50	0.8733007
Bromobenzene	0.5	0.622161	1	0.7080283	2	0.6447608	5	0.6626659	10	0.6671546	50	0.673647
Bromochloromethane	0.5	0.1708891	1	0.1708342	2	0.1652768	5	0.1762452	10	0.1532711	50	0.1608463
Tert-Amyl Methyl Ether	0.5	0.5400886	1	0.5429167	2	0.5916919	5	0.6211053	10	0.6180227	50	0.6219993
Bromodichloromethane	0.5	0.3550388	1	0.3718339	2	0.4037297	5	0.401582	10	0.3684903	50	0.3643813
Bromoform	0.5	0.5115816	1	0.5368753	2	0.5381633	5	0.5793907	10	0.5554724	50	0.5768186
Bromomethane	0.5	0.2850751	1	0.2442131	2	0.2522121	5	0.2170474	10	0.2113421	50	0.2076793
Bromofluorobenzene	30	0.9842426	35	0.9588955	40	0.9596295	50	0.9022631	60	0.918639	70	0.8805808
n-Butylbenzene	0.5	1.157325	1	1.137167	2	1.112879	5	1.231017	10	1.324301	50	1.360768
2-Butanone	1	0.1080657	2	0.1219512	4	0.1213107	10	0.1132286	20	0.1037632	100	0.1126934
sec-Butylbenzene	0.5	1.4787	1	1.393193	2	1.557633	5	1.607447	10	1.624845	50	1.743821
tert-Butylbenzene	0.5	1.125815	1	1.194955	2	1.223947	5	1.369484	10	1.375939	50	1.438842
Carbon disulfide	0.5	0.8197634	1	0.8240988	2	0.8349779	5	0.7954168	10	0.7514393	50	0.7841066
Carbon tetrachloride	0.5	0.3405781	1	0.33443	2	0.3456571	5	0.3393094	10	0.3061342	50	0.3297622
Chlorobenzene	0.5	1.651255	1	1.636167	2	1.651572	5	1.645731	10	1.55137	50	1.520016
Chloroethane	0.5	0.2029308	1	0.1461675	2	0.1829478	5	0.1833177	10	0.1730003	50	0.1770058
Chloroform	0.5	0.547949	1	0.5118503	2	0.5177455	5	0.497759	10	0.4564378	50	0.4669316
2-Chloroethyl vinyl ether	0.9975	0.1228336	1.995	0.1320206	3.99	0.134288	9.975	0.1550057	19.95	0.1425181	99.75	0.1581718
Chloromethane	0.5	0.3109365	1	0.297492	2	0.2725716	5	0.2855792	10	0.2754181	50	0.2656651
1-Chlorohexane	0.5	0.8183007	1	0.6789487	2	0.6356867	5	0.5942982	10	0.5661425	50	0.6082029
2-Chlorotoluene	0.5	1.367474	1	1.275418	2	1.435906	5	1.457043	10	1.440591	50	1.462823
4-Chlorotoluene	0.5	1.579004	1	1.474284	2	1.51509	5	1.649282	10	1.669396	50	1.693557
Cyclohexane	0.5	0.2712744	1	0.2790075	2	0.2847449	5	0.2837117	10	0.290148	50	0.3020215
Dibromochloromethane	0.5	0.7345455	1	0.7262582	2	0.7758468	5	0.7786827	10	0.767404	50	0.7880333
1,2-Dibromo-3-chloropropane	0.5	0.1129832	1	0.1189679	2	9.866361E-02	5	0.1298214	10	0.1342773	50	0.1428688
1,2-Dibromoethane (EDB)	0.5	0.6252185	1	0.6121205	2	0.657281	5	0.6386232	10	0.6521399	50	0.6740383
Dibromomethane	0.5	0.1734092	1	0.2119351	2	0.2080195	5	0.2086556	10	0.1913448	50	0.1945461
1,2-Dichlorobenzene	0.5	0.9680153	1	1.070774	2	1.016142	5	1.074541	10	1.103176	50	1.110595

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12_10:01 4/13/12_13:47

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
1,3-Dichlorobenzene	0.5	1.080371	1	1.063048	2	1.048147	5	1.096611	10	1.112859	50	1.125195
1,4-Dichlorobenzene	0.5	1.178541	1	1.149039	2	1.130642	5	1.167844	10	1.121042	50	1.129195
Dichlorodifluoromethane	0.5	0.2312523	1	0.2431879	2	0.240658	5	0.2262765	10	0.2635713	50	0.2739909
1,1-Dichloroethane	0.5	0.4747452	1	0.4663691	2	0.4821921	5	0.4736018	10	0.4443782	50	0.4522841
1,2-Dichloroethane	0.5	0.4059815	1	0.4072497	2	0.3837781	5	0.3878166	10	0.3695281	50	0.3691229
1,1-Dichloroethene	0.5	0.226392	1	0.2229326	2	0.2224282	5	0.2381142	10	0.2206558	50	0.2355664
cis-1,2-Dichloroethene	0.5	0.2694143	1	0.2868673	2	0.2844429	5	0.2811032	10	0.27278	50	0.2573113
trans-1,2-Dichloroethene	0.5	0.2304722	1	0.2527874	2	0.2713784	5	0.2608376	10	0.2513893	50	0.2525573
1,2-Dichloroethene (total)	1	0.2499432	2	0.2698274	4	0.2779106	10	0.2709704	20	0.2620846	100	0.2549343
1,2-Dichloropropane	0.5	0.2512933	1	0.2420385	2	0.2465031	5	0.2636329	10	0.2476347	50	0.2590986
1,3-Dichloropropane	0.5	0.8675768	1	0.8414117	2	0.9181038	5	0.8954866	10	0.9025242	50	0.9051723
2,2-Dichloropropane	0.5	0.3842604	1	0.3692554	2	0.3481944	5	0.3539664	10	0.3266446	50	0.3314594
1,1-Dichloropropene	0.5	0.3223971	1	0.3227179	2	0.3293605	5	0.3213632	10	0.3062391	50	0.3275285
cis-1,3-Dichloropropene	0.5	0.3680595	1	0.3450547	2	0.4078077	5	0.405329	10	0.3801068	50	0.3997396
trans-1,3-Dichloropropene	0.5	0.8819431	1	0.9617171	2	0.9354675	5	0.9408196	10	0.9496056	50	0.9090334
Diisopropyl Ether	0.5	0.7557401	1	0.8324557	2	0.8247831	5	0.8679004	10	0.8360461	50	0.8446836
Ethylbenzene	0.5	2.252913	1	2.186321	2	2.391845	5	2.363563	10	2.426952	50	2.41551
Ethyl tert-Butyl Ether	0.5	0.678576	1	0.6696055	2	0.703125	5	0.7343972	10	0.7131849	50	0.6965674
Ethyl Methacrylate	0.5	0.6111396	1	0.5607477	2	0.6466494	5	0.6462615	10	0.6558028	50	0.7080004
Hexachlorobutadiene	0.5	0.2709087	1	0.2376845	2	0.2700679	5	0.2703119	10	0.262577	50	0.2818286
2-Hexanone	1	0.311029	2	0.3730336	4	0.3575186	10	0.3537408	20	0.3499002	100	0.3676892
Iodomethane	0.5	~~0.302356~~	1	0.3302049	2	0.3819657	5	0.3986361	10	0.4024916	50	0.4622575
Isopropylbenzene	0.5	1.669787	1	1.669908	2	1.880868	5	1.904043	10	1.944794	50	1.992719
p-Isopropyltoluene	0.5	1.372872	1	1.327051	2	1.382736	5	1.483027	10	1.461549	50	1.521024
Methylene chloride	0.5	0.3274974	1	0.3062838	2	0.3058595	5	0.3036097	10	0.2633789	50	0.2724265
Methyl Acetate	0.5	0.2028708	1	0.1982348	2	0.1930067	5	0.1827634	10	0.176443	50	0.169905
Methylcyclohexane	0.5	0.226692	1	0.2082693	2	0.2289529	5	0.228126	10	0.2232123	50	0.2397979
Naphthalene	0.5	0.9234497	1	1.019204	2	0.9522529	5	1.13085	10	1.183073	50	1.355504
Methyl Methacrylate	0.5	0.2014307	1	0.1859636	2	0.1910584	5	0.2066556	10	0.1923301	50	0.2048523
4-Methyl-2-pentanone	1	0.2100111	2	0.2254956	4	0.2161754	10	0.2357497	20	0.2037528	100	0.2146177
Methyl t-Butyl Ether	0.5	0.5192675	1	0.5656573	2	0.5510184	5	0.6064062	10	0.5750721	50	0.5931756

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12 10:01 4/13/12 13:47

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
n-Propylbenzene	0.5	1.903768	1	1.991612	2	1.98107	5	2.12455	10	2.130351	50	2.116445
Styrene	0.5	1.431883	1	1.363412	2	1.595397	5	1.597147	10	1.648588	50	1.723062
1,1,2,2-Tetrachloroethane	0.5	0.5246188	1	0.4944641	2	0.5379681	5	0.5657785	10	0.5474233	50	0.5693224
1,1,1,2-Tetrachloroethane	0.5	0.6331199	1	0.6071138	2	0.5843315	5	0.6167305	10	0.6217078	50	0.6166014
tert-Butyl alcohol	2.5	1.117259E-02	5	1.553942E-02	10	0.0129376	25	0.0158052	50	1.528718E-02	250	0.0152641
Tetrachloroethene	0.5	0.6674552	1	0.7153741	2	0.6920819	5	0.6791858	10	0.6532619	50	0.686359
Toluene	0.5	1.38548	1	1.270897	2	1.437358	5	1.357037	10	1.35139	50	1.271791
1,2,3-Trichlorobenzene	0.5	0.4352365	1	0.533785	2	0.4719414	5	0.5452085	10	0.5721487	50	0.6020316
1,2,4-Trichlorobenzene	0.5	0.5748336	1	0.5497395	2	0.5480843	5	0.6215503	10	0.6285875	50	0.6905623
1,1,2-Trichloroethane	0.5	0.4759533	1	0.4646775	2	0.4857044	5	0.4810296	10	0.4753747	50	0.4606655
1,1,1-Trichloroethane	0.5	0.3852204	1	0.3679817	2	0.3628448	5	0.3853768	10	0.3476097	50	0.3625388
Tetrahydrofuran	0.5		1	2.069023E-02	2	1.919646E-02	5	0.0202294	10	2.064448E-02	50	2.301825E-02
Trichloroethene	0.5	0.2874152	1	0.2969639	2	0.2737798	5	0.2789284	10	0.26904	50	0.2742369
Trichlorofluoromethane	0.5	0.4039414	1	0.4072497	2	0.4253125	5	0.4229198	10	0.3910441	50	0.4096995
1,2,3-Trichloropropane	0.5	0.1594652	1	0.1764672	2	0.1730848	5	0.1835185	10	0.1776701	50	0.1870881
1,3,5-Trimethylbenzene	0.5	1.300437	1	1.275921	2	1.502023	5	1.543335	10	1.578102	50	1.553071
1,2,4-Trimethylbenzene	0.5	1.365591	1	1.438669	2	1.490432	5	1.665267	10	1.643274	50	1.599912
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2410328	1	0.2718622	2	0.2547646	5	0.2574881	10	0.2406327	50	0.249822
Vinyl chloride	0.5	0.2423528	1	0.219857	2	0.2125808	5	0.1941794	10	0.2094648	50	0.2091852
m,p-Xylene	1	1.791469	2	1.847354	4	1.863706	10	1.870693	20	1.860849	100	1.755706
o-Xylene	0.5	1.74794	1	1.833532	2	2.039716	5	2.00222	10	2.064872	50	1.945366
Vinyl acetate	0.996	0.3855927	1.992	0.4058285	3.984	0.422206	9.96	0.485396	19.92	0.4631132	99.62	0.5008871
Xylenes (total)	1.5	1.776959	3	1.842747	6	1.922376	15	1.914535	30	1.928857	150	1.818926
Dibromofluoromethane	30	0.340055	35	0.3393926	40	0.3404766	50	0.3361039	60	0.3225606	70	0.3116269
1,2-Dichloroethane-d4	30	6.278433E-02	35	6.464123E-02	40	6.077997E-02	50	6.238584E-02	60	6.081455E-02	70	5.805065E-02
Toluene-d8	30	2.286183	35	2.185463	40	2.143824	50	2.067906	60	2.080419	70	2.03205
tert-Amyl alcohol	2.5	9.084481E-03	5	8.698597E-03	10	9.213091E-03	25	1.191474E-02	50	9.462297E-03	250	1.093482E-02
tert-Amyl ethyl ether	0.5	0.4871058	1	0.5184674	2	0.5649588	5	0.5992253	10	0.5485305	50	0.5618654

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12 10:01 4/13/12 13:47

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
Acetone	200	7.608086E-02	300	8.037902E-02	400	8.119802E-02						
Acrolein	500.5	0.0308781	750.8	3.191386E-02	1001	3.227771E-02						
Acrylonitrile	499.7	7.751828E-02	749.6	7.897582E-02	999.4	8.219771E-02						
Benzene	100	0.8525852	150	0.8145541	200	0.8078873						
Bromobenzene	100	0.6990039	150	0.6825015	200	0.6771365						
Bromochloromethane	100	0.1564506	150	0.1478573	200	0.1478677						
Tert-Amyl Methyl Ether	100	0.6164742	150	0.6119351	200	0.6100182						
Bromodichloromethane	100	0.3609164	150	0.346112	200	0.3319864						
Bromoform	100	0.5633747	150	0.5746638	200	0.5774508						
Bromomethane	100	0.2234819	150	0.2421145	200	0.2513403						
Bromofluorobenzene	30	1.030627	30	1.029519	30	1.042596						
n-Butylbenzene	100	1.38889	150	1.327406	200	1.262175						
2-Butanone	200	0.1096701	300	0.1080077	400	0.113096						
sec-Butylbenzene	100	1.780736	150	1.663154	200	1.6581						
tert-Butylbenzene	100	1.449495	150	1.400866	200	1.348938						
Carbon disulfide	100	0.7867793	150	0.8011327	200	0.8010558						
Carbon tetrachloride	100	0.3195333	150	0.3140365	200	0.3071917						
Chlorobenzene	100	1.52332	150	1.495649	200	1.440842						
Chloroethane	100	0.1818491	150	0.1864008	200	0.1923098						
Chloroform	100	0.4377447	150	0.4168529	200	0.4168115						
2-Chloroethyl vinyl ether	199.5	0.1521074	299.2	0.1500372	399	0.1471476						
Chloromethane	100	0.2802261	150	0.2808439	200	0.2855821						
1-Chlorohexane	100	0.6243795	150	0.6323126	200	0.6402906						
2-Chlorotoluene	100	1.491756	150	1.407194	200	1.32445						
4-Chlorotoluene	100	1.736256	150	1.582184	200	1.540613						
Cyclohexane	100	0.2957765	150	0.2930359	200	0.2907583						
Dibromochloromethane	100	0.7827993	150	0.7907978	200	0.7800346						
1,2-Dibromo-3-chloropropane	100	0.1552887	150	~~0.1605968~~	200	~~0.1571811~~						
1,2-Dibromoethane (EDB)	100	0.6560927	150	0.6558868	200	0.6603317						
Dibromomethane	100	0.1886367	150	0.187015	200	0.1826557						
1,2-Dichlorobenzene	100	1.103708	150	1.054706	200	1.021552						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12 10:01 4/13/12 13:47

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
1,3-Dichlorobenzene	100	1.074459	150	1.080424	200	1.027593						
1,4-Dichlorobenzene	100	1.113554	150	1.065469	200	1.06379						
Dichlorodifluoromethane	100	0.2722365	150	0.2737993	200	0.2776225						
1,1-Dichloroethane	100	0.4349184	150	0.4355411	200	0.4447625						
1,2-Dichloroethane	100	0.3450646	150	0.333712	200	0.3132626						
1,1-Dichloroethene	100	0.2376956	150	0.2484715	200	0.249572						
cis-1,2-Dichloroethene	100	0.2519136	150	0.2504477	200	0.2509365						
trans-1,2-Dichloroethene	100	0.2430282	150	0.2518567	200	0.2465935						
1,2-Dichloroethene (total)	200	0.2474709	300	0.2511522	400	0.248765						
1,2-Dichloropropane	100	0.2466082	150	0.2458278	200	0.2371964						
1,3-Dichloropropane	100	0.8734054	150	0.8416548	200	0.8392929						
2,2-Dichloropropane	100	0.3036397	150	0.3033931	200	0.2963349						
1,1-Dichloropropene	100	0.3109048	150	0.3127107	200	0.2968834						
cis-1,3-Dichloropropene	100	0.3875119	150	0.3720547	200	0.3649481						
trans-1,3-Dichloropropene	100	0.8990086	150	0.8689272	200	0.8451932						
Diisopropyl Ether	100	0.8061503	150	0.7886404	200	0.7914236						
Ethylbenzene	100	2.359472	150	2.294486	200	2.183116						
Ethyl tert-Butyl Ether	100	0.6317508	150	0.6527681	200	0.634109						
Ethyl Methacrylate	100	0.7006689	150	0.7100372	200	0.7209257						
Hexachlorobutadiene	100	0.3113924	150	0.3063901	200	0.3062538						
2-Hexanone	200	0.3642714	300	0.3696174	400	0.381825						
Iodomethane	100	0.46696	150	0.4759307	200	0.4781935						
Isopropylbenzene	100	1.9682	150	1.897375	200	1.839754						
p-Isopropyltoluene	100	1.483666	150	1.462503	200	1.388943						
Methylene chloride	100	0.2712654	150	0.267701	200	0.2695965						
Methyl Acetate	100	0.1663451	150	0.1702602	200	0.1792476						
Methylcyclohexane	100	0.2416088	150	0.246529	200	0.2576155						
Naphthalene	100	1.415111	150	1.428281	200	1.420589						
Methyl Methacrylate	100	0.2000059	150	0.2012453	200	0.2015647						
4-Methyl-2-pentanone	200	0.2053453	300	0.2099291	400	0.2079502						
Methyl t-Butyl Ether	100	0.5720925	150	0.5887397	200	0.579918						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12 10:01 4/13/12 13:47

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
n-Propylbenzene	100	2.217762	150	2.13076	200	1.929309						
Styrene	100	1.6844	150	1.583328	200	1.549254						
1,1,2,2-Tetrachloroethane	100	0.5893347	150	0.5870237	200	0.5648942						
1,1,1,2-Tetrachloroethane	100	0.5967454	150	0.5872514	200	0.5868416						
tert-Butyl alcohol	500	1.550658E-02	750	1.682143E-02	1000	1.770919E-02						
Tetrachloroethene	100	0.6713072	150	0.6963133	200	0.6690812						
Toluene	100	1.273642	150	1.225317	200	1.192247						
1,2,3-Trichlorobenzene	100	0.6318212	150	0.6107543	200	0.6173372						
1,2,4-Trichlorobenzene	100	0.7438609	150	0.7001992	200	0.7020154						
1,1,2-Trichloroethane	100	0.4719116	150	0.4643627	200	0.4568056						
1,1,1-Trichloroethane	100	0.3487057	150	0.3421118	200	0.3293854						
Tetrahydrofuran	100	2.400744E-02	150	2.375157E-02	200	2.493736E-02						
Trichloroethene	100	0.2666338	150	0.2632436	200	0.258519						
Trichlorofluoromethane	100	0.4052899	150	0.4132452	200	0.4213791						
1,2,3-Trichloropropane	100	0.1818792	150	0.1511721	200	0.1778914						
1,3,5-Trimethylbenzene	100	1.567753	150	1.484	200	1.421083						
1,2,4-Trimethylbenzene	100	1.633099	150	1.563872	200	1.476874						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.250562	150	0.2630217	200	0.2674427						
Vinyl chloride	100	0.2224563	150	0.218808	200	0.2077025						
m,p-Xylene	200	1.720087	300	1.609389	400	1.472046						
o-Xylene	100	1.91997	150	1.790302	200	1.774761						
Vinyl acetate	199.2	0.4876017	298.9	0.4866467	398.5	0.5017138						
Xylenes (total)	300	1.786714	450	1.669693	600	1.572951						
Dibromofluoromethane	30	0.3219734	30	0.3183585	30	0.3119496						
1,2-Dichloroethane-d4	30	6.142488E-02	30	6.237865E-02	30	6.290125E-02						
Toluene-d8	30	2.367333	30	2.492259	30	2.459232						
tert-Amyl alcohol	500	1.127014E-02	750	1.234535E-02	1000	0.0126085						
tert-Amyl ethyl ether	100	0.5632847	150	0.5417659	200	0.5371428						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12 10:01 4/13/12 13:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.814289E-02	14.33926	3.836667	0.1847888			15	
Acrolein	3.126776E-02	5.093298	3.72	0.189514			15	
Acrylonitrile	7.907362E-02	4.260123	4.664444	0.113728			15	
Benzene	0.8790077	5.526567	7.691111	0.0431313			15	
Bromobenzene	0.6707844	3.905282	12.41444	4.769213E-02			15	
Bromochloromethane	0.1610598	6.477896	6.79	7.12907E-03			15	
Tert-Amyl Methyl Ether	0.5971391	5.494451	7.873333	6.286931E-02			15	
Bromodichloromethane	0.367119	6.402377	8.664444	6.017831E-02			15	
Bromoform	0.5570879	4.252565	11.82111	1.970524E-02			SPCC (0.1)	
Bromomethane	0.2371673	10.46181	2.886667	0.172021			15	
Bromofluorobenzene	0.9674436	6.124472	12.25	0			15	
n-Butylbenzene	1.25577	8.130861	13.84222	3.465004E-02			15	
2-Butanone	0.1124207	5.374075	6.247778	6.976958E-02			15	
sec-Butylbenzene	1.611959	7.578127	13.30111	1.781554E-02			15	
tert-Butylbenzene	1.325365	8.691529	13.06778	3.293577E-02			15	
Carbon disulfide	0.7998634	3.126667	4.833333	0.1040103			15	
Carbon tetrachloride	0.3262925	4.589235	7.66	9.615039E-03			15	
Chlorobenzene	1.568436	5.069748	11.09556	4.758548E-02			SPCC (0.3)	
Chloroethane	0.1806588	8.620067	3.021111	0.1081506			15	
Chloroform	0.4744536	9.882149	6.762222	6.309518E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1437922	8.234911	9.022223	4.455246E-02			15	
Chloromethane	0.2838127	4.787427	2.297778	0.1924311			SPCC (0.1)	
1-Chlorohexane	0.6442847	11.24869	11.06111	2.857524E-02			15	
2-Chlorotoluene	1.406962	5.054504	12.63333	4.148019E-02			15	
4-Chlorotoluene	1.604407	5.473186	12.69667	3.755123E-02			15	
Cyclohexane	0.287831	3.212508	7.59	1.668276E-02			15	
Dibromochloromethane	0.769378	3.015262	10.33	1.462172E-02			15	
1,2-Dibromo-3-chloropropane	0.127553	14.92594	14.44429	3.203151E-02			15	
1,2-Dibromoethane (EDB)	0.6479703	2.966177	10.54667	4.820354E-02			15	
Dibromomethane	0.1940242	6.746059	8.601111	3.928659E-02			15	
1,2-Dichlorobenzene	1.058134	4.547279	13.80111	2.064569E-02			15	
1,3-Dichlorobenzene	1.078745	2.831467	13.39222	3.502591E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2107004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	4/13/12 10:01 4/13/12 13:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.124346	3.552485	13.48222	3.170225E-02			15	
Dichlorodifluoromethane	0.2558439	7.967545	2.082222	0.212412			15	
1,1-Dichloroethane	0.4565325	3.941507	5.811111	5.836057E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3683907	8.756593	7.516667	6.712269E-02			15	
1,1-Dichloroethene	0.2335365	4.728065	4.311111	0.1391018			CCC (20)	
cis-1,2-Dichloroethene	0.2672463	5.597239	6.514445	8.124346E-02			15	
trans-1,2-Dichloroethene	0.2512112	4.500411	5.444444	9.707749E-02			15	
1,2-Dichloroethene (total)	0.2592287	4.366488	6.514445	8.124346E-02			15	
1,2-Dichloropropane	0.2488704	3.279408	8.486666	5.669495E-02			CCC (20)	
1,3-Dichloropropane	0.8760698	3.496866	10.07	1.446492E-02			15	
2,2-Dichloropropane	0.3352387	9.250219	6.617778	6.542286E-02			15	
1,1-Dichloropropene	0.3166784	3.385596	7.537778	6.069997E-02			15	
cis-1,3-Dichloropropene	0.3811791	5.488755	9.234444	5.772097E-02			15	
trans-1,3-Dichloropropene	0.9101906	4.366631	9.706667	5.353675E-02			15	
Diisopropyl Ether	0.8164248	4.186372	6.173333	0.0812548			15	
Ethylbenzene	2.319353	4.059882	11.24222	3.762426E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6793427	5.243555	6.633333	7.618927E-02			15	
Ethyl Methacrylate	0.6622481	8.052586	9.896667	5.074542E-02			15	
Hexachlorobutadiene	0.2797128	8.705111	15.80333	0.0289584			15	
2-Hexanone	0.3587361	5.70189	10.00444	5.229105E-02			15	
Iodomethane	0.42458	12.78017	4.49875	0.1418458			15	
Isopropylbenzene	1.86305	6.377148	12.13667	4.079974E-02			15	
p-Isopropyltoluene	1.431486	4.540116	13.44	1.109787E-02			15	
Methylene chloride	0.2875132	8.095788	4.787778	9.167639E-02			15	
Methyl Acetate	0.1821196	7.233625	4.652222	0.2091689			15	
Methylcyclohexane	0.2334226	6.235872	8.818889	4.029801E-02			15	
Naphthalene	1.203146	17.30396	15.68	9.394286E-03	0.9998859		0.995	
Methyl Methacrylate	0.1983452	3.497735	8.617778	5.106917E-02			15	
4-Methyl-2-pentanone	0.2143363	4.832553	9.161111	0.0295276			15	
Methyl t-Butyl Ether	0.5723719	4.473303	5.435556	9.716812E-02			15	
n-Propylbenzene	2.058403	5.282055	12.54778	0.0339758			15	
Styrene	1.575163	7.314496	11.71444	4.735349E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2107004		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	4/13/12 10:01	4/13/12 13:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.5534253	5.545976	12.06667	3.807179E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.6056048	2.909257	11.13667	4.510715E-02			15	
tert-Butyl alcohol	1.511592E-02	12.97791	4.446667	0.1942469			15	
Tetrachloroethene	0.6811577	2.726621	10.44111	3.262524E-02			15	
Toluene	1.30724	6.115113	9.711111	3.882733E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5578072	12.21151	15.96333	3.239332E-02			15	
1,2,4-Trichlorobenzene	0.639937	11.3395	15.52222	2.370126E-02			15	
1,1,2-Trichloroethane	0.4707205	2.060939	9.862222	4.899457E-02			15	
1,1,1-Trichloroethane	0.3590861	5.292225	7.32	1.611891E-02			15	
Tetrahydrofuran	0.0220594	9.583115	6.97125	5.352712E-02			15	
Trichloroethene	0.2743067	4.399435	8.447778	5.039655E-02			15	
Trichlorofluoromethane	0.4111201	2.658989	3.522222	0.1894886			15	
1,2,3-Trichloropropane	0.1742485	6.702944	12.18556	3.821858E-02			15	
1,3,5-Trimethylbenzene	1.469525	7.742039	12.73	9.796525E-03			15	
1,2,4-Trimethylbenzene	1.541888	6.735333	13.09889	3.085144E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.255181	4.287136	4.388889	0.1362451			15	
Vinyl chloride	0.2151763	6.144877	2.446667	0.2040136			CCC (20)	
m,p-Xylene	1.754589	7.771519	11.35778	3.809918E-02			15	
o-Xylene	1.902075	6.298734	11.74444	4.297747E-02			15	
Vinyl acetate	0.4598873	9.551989	5.88	1.287752E-02			15	
Xylenes (total)	1.803751	6.675743	11.74444	4.297747E-02			15	
Dibromofluoromethane	0.3269441	3.70045	6.936667	7.270842E-02			15	
1,2-Dichloroethane-d4	6.179571E-02	2.980709	7.426667	6.829442E-02			15	
Toluene-d8	2.234963	7.755689	9.632222	4.286128E-02			15	
tert-Amyl alcohol	1.061467E-02	14.32559	7.123333	6.923465E-02			15	
tert-Amyl ethyl ether	0.5469274	5.805145	8.754445	0.0592345			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2121003		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	4/27/12 9:57	4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2121003	Instrument:	MS-VOA6		
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31	

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

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

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	6.737113E-02	2	7.904187E-02	4	7.632403E-02	10	5.797594E-02	20	5.638314E-02	100	5.418886E-02
Acrolein	2.508	3.096123E-02	5.015	3.565937E-02	10.03	3.304684E-02	25.08	0.0328328	50.15	2.978939E-02	250.8	0.0285724
Acrylonitrile	2.498	5.935305E-02	4.997	5.881595E-02	9.994	0.0641555	24.98	6.305579E-02	49.97	6.636471E-02	249.8	6.935443E-02
Benzene	0.5	0.7988065	1	0.9747566	2	0.9465063	5	0.9135744	10	0.9653311	50	0.963034
Bromobenzene	0.5	0.6833619	1	0.6603124	2	0.726477	5	0.7338881	10	0.741921	50	0.748983
Bromochloromethane	0.5	0.1478686	1	0.1873703	2	0.187961	5	0.1819833	10	0.1842307	50	0.1948868
Tert-Amyl Methyl Ether	0.5	0.4806123	1	0.5613928	2	0.557663	5	0.5773934	10	0.6066294	50	0.6630443
Bromodichloromethane	0.5	0.3961612	1	0.4479172	2	0.4552556	5	0.4217324	10	0.432042	50	0.431309
Bromoform	0.5	0.5781258	1	0.6451791	2	0.6886235	5	0.6761026	10	0.6912341	50	0.7403898
Bromomethane	0.5	~~0.2829271~~	1	0.2151407	2	0.1921744	5	0.1537931	10	0.1607115	50	0.1659659
Bromofluorobenzene	30	0.9731723	35	0.994452	40	1.014915	50	1.025684	60	0.9860768	70	1.024169
n-Butylbenzene	0.5	1.053117	1	1.182495	2	1.289355	5	1.274521	10	1.38214	50	1.444652
2-Butanone	1	7.962761E-02	2	6.587487E-02	4	7.943398E-02	10	6.614814E-02	20	7.930151E-02	100	0.0817398
sec-Butylbenzene	0.5	1.401396	1	1.758768	2	1.878556	5	1.802391	10	2.03	50	2.094536
tert-Butylbenzene	0.5	1.261671	1	1.619347	2	1.584052	5	1.623092	10	1.756871	50	1.836203
Carbon disulfide	0.5	0.5870461	1	0.6370431	2	0.5988347	5	0.5691278	10	0.6272106	50	0.6190256
Carbon tetrachloride	0.5	0.440759	1	0.5059318	2	0.5006407	5	0.4730071	10	0.4941267	50	0.5018551
Chlorobenzene	0.5	1.798735	1	2.101293	2	2.064482	5	2.103525	10	2.085467	50	2.185676
Chloroethane	0.5	0.1339515	1	0.1349417	2	0.1339081	5	0.1304751	10	0.1462853	50	0.1414813
Chloroform	0.5	0.5342246	1	0.573682	2	0.5287707	5	0.5028317	10	0.5114676	50	0.5101984
2-Chloroethyl vinyl ether	0.9975	0.1045601	1.995	0.12276	3.99	0.1196004	9.975	0.1294288	19.95	0.140159	99.75	0.1530392
Chloromethane	0.5	0.2285241	1	0.2292653	2	0.2387233	5	0.1941871	10	0.2268271	50	0.2244223
1-Chlorohexane	0.5	0.9362728	1	0.8696212	2	0.8122463	5	0.7623178	10	0.7663316	50	0.8441239
2-Chlorotoluene	0.5	1.266846	1	1.376135	2	1.460227	5	1.430061	10	1.475243	50	1.564272
4-Chlorotoluene	0.5	1.476434	1	1.632256	2	1.613592	5	1.684243	10	1.778305	50	1.829767
Cyclohexane	0.5	0.2611027	1	0.2884769	2	0.2777681	5	0.2685931	10	0.286718	50	0.3118672
Dibromochloromethane	0.5	0.8344645	1	0.9018158	2	0.9626109	5	0.9643477	10	0.9454267	50	1.016624
1,2-Dibromo-3-chloropropane	0.5	~~0.117473~~	1	0.1497483	2	0.1392715	5	0.1554403	10	0.1474965	50	0.1767709
1,2-Dibromoethane (EDB)	0.5	0.7064769	1	0.7060728	2	0.6646577	5	0.707769	10	0.7199009	50	0.7378145
Dibromomethane	0.5	0.1628926	1	0.2008565	2	0.2061391	5	0.1757724	10	0.1914941	50	0.1868574
1,2-Dichlorobenzene	0.5	1.148338	1	1.259951	2	1.249517	5	1.208245	10	1.313284	50	1.334291

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

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	1.138764	1	1.328758	2	1.345283	5	1.298727	10	1.356645	50	1.387766
1,4-Dichlorobenzene	0.5	1.249768	1	1.425707	2	1.399408	5	1.360202	10	1.424354	50	1.437403
Dichlorodifluoromethane	0.5	0.2318452	1	0.2424323	2	0.2427762	5	0.2351415	10	0.3046248	50	0.3009447
1,1-Dichloroethane	0.5	0.3673782	1	0.452386	2	0.4329041	5	0.4187748	10	0.4301661	50	0.4257497
1,2-Dichloroethane	0.5	0.3379627	1	0.392536	2	0.3964275	5	0.3948808	10	0.398492	50	0.3992076
1,1-Dichloroethene	0.5	0.2176119	1	0.2535245	2	0.2174151	5	0.2172405	10	0.2328348	50	0.233644
cis-1,2-Dichloroethene	0.5	0.2541441	1	0.2860829	2	0.3078643	5	0.2899342	10	0.2998496	50	0.2980089
trans-1,2-Dichloroethene	0.5	0.258256	1	0.2603873	2	0.2840683	5	0.2690133	10	0.2705786	50	0.2730673
1,2-Dichloroethene (total)	1	0.2562001	2	0.2732351	4	0.2959663	10	0.2794738	20	0.2852141	100	0.2855381
1,2-Dichloropropane	0.5	0.1821867	1	0.2252753	2	0.2229529	5	0.209364	10	0.2164861	50	0.2334376
1,3-Dichloropropane	0.5	0.8319193	1	0.9222363	2	0.9466028	5	0.941539	10	0.9698545	50	0.9943379
2,2-Dichloropropane	0.5	0.3488749	1	0.3931744	2	0.4049748	5	0.3632194	10	0.3789496	50	0.3884398
1,1-Dichloropropene	0.5	0.2944719	1	0.3294143	2	0.3800552	5	0.3205683	10	0.351477	50	0.3603546
cis-1,3-Dichloropropene	0.5	0.3112356	1	0.3784114	2	0.4030487	5	0.3907714	10	0.3999726	50	0.4279354
trans-1,3-Dichloropropene	0.5	0.8493722	1	0.8486487	2	0.9331857	5	0.9692194	10	1.00488	50	1.076993
Diisopropyl Ether	0.5	0.5388109	1	0.6036868	2	0.6416516	5	0.6374474	10	0.6694815	50	0.6957352
Ethylbenzene	0.5	2.488122	1	2.813989	2	2.813529	5	2.830781	10	3.000395	50	3.202767
Ethyl tert-Butyl Ether	0.5	0.5358061	1	0.6282651	2	0.6451427	5	0.601692	10	0.6697528	50	0.7034257
Ethyl Methacrylate	0.5	0.5199496	1	0.5456519	2	0.5788805	5	0.5936151	10	0.6130114	50	0.7217783
Hexachlorobutadiene	0.5	0.282815	1	0.2744524	2	0.2818252	5	0.2456991	10	0.2753235	50	0.2670567
2-Hexanone	1	0.2125248	2	0.2695145	4	0.244007	10	0.2711755	20	0.2674392	100	0.3079642
Iodomethane	0.5		1	0.1782731	2	0.2205452	5	0.2852799	10	0.3403608	50	0.4275286
Isopropylbenzene	0.5	2.285597	1	2.567103	2	2.600706	5	2.741539	10	2.824425	50	3.135925
p-Isopropyltoluene	0.5	1.57062	1	1.802788	2	1.841357	5	1.861054	10	1.967058	50	2.088742
Methylene chloride	0.5	~~0.403436~~	1	0.3491249	2	0.3074229	5	0.261277	10	0.2616872	50	0.2567152
Methyl Acetate	0.5	8.128817E-02	1	0.1090866	2	0.1105535	5	0.1264901	10	0.1246344	50	0.1267548
Methylcyclohexane	0.5	0.2149234	1	0.3142523	2	0.2792127	5	0.2839724	10	0.2800049	50	0.3134089
Naphthalene	0.5	1.44409	1	1.517363	2	1.713348	5	1.804928	10	1.991279	50	2.205326
Methyl Methacrylate	0.5	0.1478686	1	0.1754003	2	0.1541729	5	0.1607667	10	0.1747114	50	0.1921293
4-Methyl-2-pentanone	1	0.1373517	2	0.1487072	4	0.1491569	10	0.167896	20	0.1669866	100	0.1892885
Methyl t-Butyl Ether	0.5	0.5489324	1	0.5471086	2	0.6012424	5	0.5775179	10	0.585149	50	0.6267588

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

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	1.879051	1	1.99191	2	2.180847	5	2.115287	10	2.311565	50	2.37068
Styrene	0.5	1.612207	1	1.868205	2	2.059948	5	2.147887	10	2.142549	50	2.43802
1,1,2,2-Tetrachloroethane	0.5	0.4031343	1	0.477129	2	0.4975544	5	0.5032902	10	0.5033644	50	0.4987123
1,1,1,2-Tetrachloroethane	0.5	0.7690163	1	0.9108303	2	0.8212219	5	0.9093929	10	0.9200469	50	0.9402923
tert-Butyl alcohol	2.5		5		10	1.104331E-02	25	0.0112792	50	1.227274E-02	250	1.320429E-02
Tetrachloroethene	0.5	0.8406458	1	0.9318027	2	0.8408387	5	0.8427754	10	0.8749993	50	0.9184061
Toluene	0.5	1.387865	1	1.508545	2	1.552225	5	1.583872	10	1.582992	50	1.648495
1,2,3-Trichlorobenzene	0.5	0.6057365	1	0.6430139	2	0.6495688	5	0.6687813	10	0.7044227	50	0.7614153
1,2,4-Trichlorobenzene	0.5	0.593834	1	0.6978786	2	0.657871	5	0.7440385	10	0.8046492	50	0.8308033
1,1,2-Trichloroethane	0.5	0.4265041	1	0.4069393	2	0.4560905	5	0.4464292	10	0.4369698	50	0.4728798
1,1,1-Trichloroethane	0.5	0.4436057	1	0.4864606	2	0.4953438	5	0.4801675	10	0.4907081	50	0.4994792
Tetrahydrofuran	0.5		1		2	1.308183E-02	5	1.959772E-02	10	1.883701E-02	50	2.367847E-02
Trichloroethene	0.5	0.2413341	1	0.2862425	2	0.2904085	5	0.2889846	10	0.2924621	50	0.2964053
Trichlorofluoromethane	0.5	0.4198834	1	0.4820716	2	0.4655284	5	0.4221682	10	0.4652433	50	0.4649976
1,2,3-Trichloropropane	0.5	0.1897998	1	0.3114594	2	0.3018395	5	0.30179	10	0.2971028	50	0.3206891
1,3,5-Trimethylbenzene	0.5	1.393634	1	1.585653	2	1.66804	5	1.732408	10	1.858598	50	1.87124
1,2,4-Trimethylbenzene	0.5	1.64514	1	1.629803	2	1.755567	5	1.867448	10	1.964536	50	2.008825
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1957875	1	0.2524073	2	0.2619174	5	0.2312344	10	0.2521292	50	0.2525723
Vinyl chloride	0.5	0.1690604	1	0.2285471	2	0.2195018	5	0.2063909	10	0.2260364	50	0.2270634
m,p-Xylene	1	1.814188	2	2.224644	4	2.331299	10	2.320225	20	2.409944	100	2.579805
o-Xylene	0.5	2.11834	1	2.2045	2	2.336157	5	2.52065	10	2.488508	50	2.708102
Vinyl acetate	0.996	~~0.2947018~~	1.992	0.3172369	3.984	0.3509816	9.96	0.3665926	19.92	0.399567	99.62	0.4436572
Xylenes (total)	1.5	1.915572	3	2.21793	6	2.332918	15	2.387033	30	2.436132	150	2.622571
Dibromofluoromethane	30	0.3035892	35	0.3088054	40	0.3100112	50	0.3109655	60	0.3060666	70	0.2975452
1,2-Dichloroethane-d4	30	6.849135E-02	35	7.104933E-02	40	7.451023E-02	50	7.333501E-02	60	7.339071E-02	70	7.495031E-02
Toluene-d8	30	2.336022	35	2.38849	40	2.398713	50	2.510098	60	2.401292	70	2.389547
tert-Amyl alcohol	2.5		5		10	6.532888E-03	25	7.96673E-03	50	7.779765E-03	250	8.939632E-03
tert-Amyl ethyl ether	0.5	0.4171949	1	0.4590094	2	0.4661304	5	0.4668896	10	0.4960181	50	0.5325136

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

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	5.253551E-02	300	5.600353E-02	400	5.168798E-02						
Acrolein	501.5	2.756648E-02	752.2	2.922781E-02	1003	2.765782E-02						
Acrylonitrile	499.7	6.901541E-02	749.6	7.205678E-02	999.4	6.910276E-02						
Benzene	100	0.9488527	150	1.007826	200	0.976496						
Bromobenzene	100	0.7523149	150	0.7755237	200	0.7917892						
Bromochloromethane	100	0.1871551	150	0.1910638	200	0.183167						
Tert-Amyl Methyl Ether	100	0.6748695	150	0.7235524	200	0.7013315						
Bromodichloromethane	100	0.4219007	150	0.4429173	200	0.4211149						
Bromoform	100	0.7266243	150	0.7513732	200	0.7546702						
Bromomethane	100	0.1684305	150	0.1826879	200	0.1752945						
Bromofluorobenzene	30	1.035817	30	1.031528	30	1.036249						
n-Butylbenzene	100	1.430885	150	1.482847	200	1.529719						
2-Butanone	200	8.330626E-02	300	8.912438E-02	400	8.631599E-02						
sec-Butylbenzene	100	2.075772	150	2.163535	200	2.239904						
tert-Butylbenzene	100	1.845276	150	1.920163	200	1.999558						
Carbon disulfide	100	0.5838526	150	0.6391866	200	0.6224065						
Carbon tetrachloride	100	0.4718163	150	0.4932535	200	0.4759959						
Chlorobenzene	100	2.119603	150	2.24928	200	2.243936						
Chloroethane	100	0.133497	150	0.1445518	200	0.1360128						
Chloroform	100	0.493063	150	0.5169543	200	0.4936804						
2-Chloroethyl vinyl ether	199.5	0.1485952	299.2	0.1587938	399	0.1565833						
Chloromethane	100	0.2159257	150	0.2300218	200	0.2214303						
1-Chlorohexane	100	0.8008536	150	0.8697595	200	0.8653864						
2-Chlorotoluene	100	1.534676	150	1.60552	200	1.593547						
4-Chlorotoluene	100	1.786224	150	1.868208	200	1.885106						
Cyclohexane	100	0.2883458	150	0.3139392	200	0.3094954						
Dibromochloromethane	100	0.9752896	150	1.020333	200	1.033218						
1,2-Dibromo-3-chloropropane	100	0.1755112	150	0.1872966	200	0.1902087						
1,2-Dibromoethane (EDB)	100	0.738232	150	0.775889	200	0.7784123						
Dibromomethane	100	0.184253	150	0.1936452	200	0.1824758						
1,2-Dichlorobenzene	100	1.39339	150	1.431263	200	1.415746						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

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	1.378674	150	1.45289	200	1.451359						
1,4-Dichlorobenzene	100	1.438226	150	1.490508	200	1.500651						
Dichlorodifluoromethane	100	0.267347	150	0.2855424	200	0.2710256						
1,1-Dichloroethane	100	0.4152921	150	0.4353035	200	0.4198495						
1,2-Dichloroethane	100	0.3881679	150	0.4060048	200	0.3796557						
1,1-Dichloroethene	100	0.219962	150	0.2407254	200	0.2361765						
cis-1,2-Dichloroethene	100	0.2894483	150	0.3103318	200	0.2951832						
trans-1,2-Dichloroethene	100	0.2607922	150	0.2835303	200	0.2761394						
1,2-Dichloroethene (total)	200	0.2751202	300	0.296931	400	0.2856613						
1,2-Dichloropropane	100	0.2247321	150	0.2408271	200	0.2326889						
1,3-Dichloropropane	100	0.9695663	150	0.9895869	200	1.014137						
2,2-Dichloropropane	100	0.3762425	150	0.3973504	200	0.3747053						
1,1-Dichloropropene	100	0.3436136	150	0.376008	200	0.3596924						
cis-1,3-Dichloropropene	100	0.4259116	150	0.4495694	200	0.4258076						
trans-1,3-Dichloropropene	100	1.055191	150	1.100522	200	1.09804						
Diisopropyl Ether	100	0.6942905	150	0.7310683	200	0.6971019						
Ethylbenzene	100	3.141936	150	3.316202	200	3.333023						
Ethyl tert-Butyl Ether	100	0.6995925	150	0.7514486	200	0.7181847						
Ethyl Methacrylate	100	0.7173215	150	0.7480546	200	0.7680767						
Hexachlorobutadiene	100	0.2740789	150	0.2915865	200	0.2992581						
2-Hexanone	200	0.3036676	300	0.3194549	400	0.319048						
Iodomethane	100	0.4255338	150	0.4554914	200	0.4369761						
Isopropylbenzene	100	3.021723	150	3.200467	200	3.217561						
p-Isopropyltoluene	100	2.007828	150	2.153997	200	2.146165						
Methylene chloride	100	0.2471329	150	0.2550323	200	0.2474226						
Methyl Acetate	100	0.1277585	150	0.1305362	200	0.1287014						
Methylcyclohexane	100	0.2744556	150	0.3055083	200	0.3063192						
Naphthalene	100	2.255856	150	2.42955	200	2.461145						
Methyl Methacrylate	100	0.1909725	150	0.2049087	200	0.1923744						
4-Methyl-2-pentanone	200	0.1877939	300	0.1966805	400	0.1889982						
Methyl t-Butyl Ether	100	0.6141833	150	0.6673397	200	0.6373129						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

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	2.317239	150	2.504254	200	2.543627						
Styrene	100	2.381162	150	2.482839	200	2.522128						
1,1,2,2-Tetrachloroethane	100	0.5024429	150	0.5387855	200	0.5413205						
1,1,1,2-Tetrachloroethane	100	0.9094989	150	0.9582386	200	0.9513637						
tert-Butyl alcohol	500	1.366716E-02	750	1.446934E-02	1000	1.474229E-02						
Tetrachloroethene	100	0.8727797	150	0.931938	200	0.9387236						
Toluene	100	1.588956	150	1.67961	200	1.70926						
1,2,3-Trichlorobenzene	100	0.7932206	150	0.8385999	200	0.846346						
1,2,4-Trichlorobenzene	100	0.8533364	150	0.9092336	200	0.9142508						
1,1,2-Trichloroethane	100	0.4618129	150	0.4745051	200	0.4849631						
1,1,1-Trichloroethane	100	0.4638609	150	0.4973436	200	0.4703412						
Tetrahydrofuran	100	2.350183E-02	150	2.570679E-02	200	0.0256481						
Trichloroethene	100	0.2867405	150	0.3094295	200	0.296094						
Trichlorofluoromethane	100	0.4276914	150	0.4499825	200	0.4380518						
1,2,3-Trichloropropane	100	0.3040515	150	0.3164269	200	0.3087402						
1,3,5-Trimethylbenzene	100	1.88059	150	1.965238	200	2.031861						
1,2,4-Trimethylbenzene	100	1.97451	150	2.075283	200	2.120183						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2272888	150	0.2437857	200	0.2406732						
Vinyl chloride	100	0.2112459	150	0.224359	200	0.2107088						
m,p-Xylene	200	2.512507	300	2.611275	400	2.626766						
o-Xylene	100	2.581849	150	2.717943	200	2.713176						
Vinyl acetate	199.2	0.4377953	298.9	0.4639062	398.5	0.4400004						
Xylenes (total)	300	2.535621	450	2.646831	600	2.655569						
Dibromofluoromethane	30	0.2873976	30	0.297783	30	0.2870823						
1,2-Dichloroethane-d4	30	7.127202E-02	30	6.918436E-02	30	6.858859E-02						
Toluene-d8	30	2.362588	30	2.37198	30	2.453073						
tert-Amyl alcohol	500	9.196477E-03	750	1.079645E-02	1000	1.076468E-02						
tert-Amyl ethyl ether	100	0.5223287	150	0.5618969	200	0.5457975						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	6.127911E-02	16.92363	3.489556	0.2769129		0.9983323	0.99	
Acrolein	3.059046E-02	9.042267	3.376333	7.786118E-02			15	
Acrylonitrile	6.569715E-02	7.095252	4.357333	0.1704013			15	
Benzene	0.9439093	6.370831	7.5	2.781251E-02			15	
Bromobenzene	0.7349524	5.636576	12.27633	1.968109E-02			15	
Bromochloromethane	0.1828541	7.498248	6.580333	5.424699E-02			15	
Tert-Amyl Methyl Ether	0.6162765	12.93296	7.694666	0.0240391			15	
Bromodichloromethane	0.4300389	4.102128	8.496333	2.508591E-02			15	
Bromoform	0.6947025	8.261521	11.67967	1.393066E-02			SPCC (0.1)	
Bromomethane	0.1767748	11.14876	2.549625	0.1425364			15	
Bromofluorobenzene	1.013563	2.299563	12.11633	2.469625E-02			15	
n-Butylbenzene	1.341081	11.53189	13.71633	1.319746E-02			15	
2-Butanone	7.898584E-02	10.20907	6.031	0.1725912			15	
sec-Butylbenzene	1.938318	13.35342	13.16967	1.150339E-02			15	
tert-Butylbenzene	1.716248	12.97525	12.938	2.081815E-02			15	
Carbon disulfide	0.6093037	4.150462	4.533667	7.199769E-02			15	
Carbon tetrachloride	0.484154	4.30031	7.468333	2.016041E-02			15	
Chlorobenzene	2.105777	6.341832	10.949	1.081874E-02			SPCC (0.3)	
Chloroethane	0.1372338	4.005678	2.682333	9.791205E-02			15	
Chloroform	0.5183192	4.836199	6.555	4.631319E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1370578	13.8323	8.861334	1.149182E-02			15	
Chloromethane	0.2232586	5.632496	1.957	1.354336E-02			SPCC (0.1)	
1-Chlorohexane	0.8363237	6.728935	10.91744	1.891962E-02			15	
2-Chlorotoluene	1.478503	7.480181	12.5	0			15	
4-Chlorotoluene	1.728237	7.872081	12.561	7.068191E-03			15	
Cyclohexane	0.2895896	6.561665	7.401333	2.945346E-02			15	
Dibromochloromethane	0.96157	6.556881	10.178	3.269395E-02			15	
1,2-Dibromo-3-chloropropane	0.165218	11.82885	14.32125	1.750125E-02			15	
1,2-Dibromoethane (EDB)	0.7261361	4.973904	10.395	1.877545E-02			15	
Dibromomethane	0.187154	6.960802	8.433333	0.0332705			15	
1,2-Dichlorobenzene	1.306003	7.460591	13.674	8.933889E-03			15	
1,3-Dichlorobenzene	1.348763	6.977902	13.26078	8.708723E-03			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2213002		Instrument:	MS-VOA3	
Matrix:	Water		Calibration Dates:	7/30/12 9:48	7/30/12 13:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.414025	5.293393	13.352	7.502474E-03			15	
Dichlorodifluoromethane	0.2646311	10.62008	1.750222	2.540826E-02			15	
1,1-Dichloroethane	0.4219782	5.521849	5.567667	5.428684E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3881483	5.21031	7.329	4.188113E-03			15	
1,1-Dichloroethene	0.2299039	5.551603	3.971667	9.159627E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2923164	5.638785	6.294333	3.025872E-02			15	
trans-1,2-Dichloroethene	0.2706481	3.555312	5.181111	4.764946E-02			15	
1,2-Dichloroethene (total)	0.2814822	4.437246	6.294333	3.025872E-02			15	
1,2-Dichloropropane	0.2208834	7.812962	8.319667	3.633876E-02			CCC (20)	
1,3-Dichloropropane	0.9533089	5.639417	9.920222	2.212023E-02			15	
2,2-Dichloropropane	0.380659	4.60598	6.404111	2.180096E-02			15	
1,1-Dichloropropene	0.3461839	7.954365	7.347778	0.0317453			15	
cis-1,3-Dichloropropene	0.4014071	10.04126	9.075	5.230454E-03			15	
trans-1,3-Dichloropropene	0.9928947	10.02535	9.550556	2.770872E-02			15	
Diisopropyl Ether	0.656586	8.940648	5.949333	4.557293E-02			15	
Ethylbenzene	2.993416	9.387991	11.101	1.748548E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6614789	10.04625	6.425	6.832556E-02			15	
Ethyl Methacrylate	0.6451489	14.54432	9.743334	1.069978E-02			15	
Hexachlorobutadiene	0.2768995	5.50911	15.688	1.776325E-02			15	
2-Hexanone	0.2794217	13.03604	9.856	0.0333086			15	
Iodomethane	0.3462486	31.03425	4.1735	7.085955E-02	0.9990374		0.995	
Isopropylbenzene	2.843894	11.40757	12.001	0.0227546			15	
p-Isopropyltoluene	1.937734	9.773661	13.309	1.723665E-02			15	
Methylene chloride	0.2732269	13.23693	4.4805	6.443989E-02			15	
Methyl Acetate	0.1184226	13.48682	4.342667	0.1609046			15	
Methylcyclohexane	0.2857842	10.79483	8.649	0.0189802			15	
Naphthalene	1.980321	19.25825	15.56	1.343556E-02		0.9997546	0.99	
Methyl Methacrylate	0.1770339	11.08417	8.454	2.482942E-02			15	
4-Methyl-2-pentanone	0.1703177	12.6742	9.002667	0.0546286			15	
Methyl t-Butyl Ether	0.6006161	6.704845	5.172778	6.088712E-02			15	
n-Propylbenzene	2.246051	9.964759	12.415	0.022024			15	
Styrene	2.183883	14.04007	11.57456	2.092247E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2213002	Instrument:	MS-VOA3		
Matrix:	Water	Calibration Dates:	7/30/12 9:48	7/30/12 13:37	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.4961926	8.131299	11.92733	3.235038E-04			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.898878	7.003265	10.99178	2.130655E-02			15	
tert-Butyl alcohol	1.295405E-02	11.35649	4.120429	0.1656188			15	
Tetrachloroethene	0.888101	4.753778	10.29267	2.470326E-02			15	
Toluene	1.582424	6.084639	9.554555	3.006621E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.7234561	12.34467	15.84733	8.158592E-03			15	
1,2,4-Trichlorobenzene	0.7784328	14.42566	15.40733	1.305204E-02			15	
1,1,2-Trichloroethane	0.4518993	5.575963	9.708	1.627961E-02			15	
1,1,1-Trichloroethane	0.4808123	3.852205	7.122667	3.367217E-02			15	
Tetrahydrofuran	2.143596E-02	21.31035	6.771714	0.1294004	0.9985781		0.995	
Trichloroethene	0.2875668	6.508933	8.270667	2.727798E-02			15	
Trichlorofluoromethane	0.448402	5.002987	3.184	0.1325704			15	
1,2,3-Trichloropropane	0.2946555	13.58789	12.05467	2.887739E-02			15	
1,3,5-Trimethylbenzene	1.776362	11.33083	12.59111	0.0191309			15	
1,2,4-Trimethylbenzene	1.893477	9.525768	12.96878	1.605514E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2397551	8.27233	4.056	7.263164E-02			15	
Vinyl chloride	0.2136571	8.692742	2.111111	0.1383994			CCC (20)	
m,p-Xylene	2.381184	10.73742	11.21011	2.506495E-03			15	
o-Xylene	2.487692	9.010655	11.60533	1.667237E-02			15	
Vinyl acetate	0.4024672	13.05969	5.64475	3.612669E-02			15	
Xylenes (total)	2.416686	9.981037	11.60533	1.667237E-02			15	
Dibromofluoromethane	0.3010273	3.051016	6.729	4.596158E-02			15	
1,2-Dichloroethane-d4	7.164132E-02	3.519973	7.236667	3.348431E-02			15	
Toluene-d8	2.401311	2.156175	9.476778	1.932701E-02			15	
tert-Amyl alcohol	8.853803E-03	17.78507	6.931429	4.807711E-02	0.9950466		0.995	
tert-Amyl ethyl ether	0.4964199	9.599005	8.588889	2.096708E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0413ICV1.D	Calibration Date:	04/13/12 10:01
Sequence:	2D10703	Injection Date:	04/13/12
Lab Sample ID:	2D10703-ICV1	Injection Time:	14:43

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	88.57	8.814289E-02	7.806475E-02		-11.4	20
Benzene	A	50.00	51.21	0.8790077	0.9002308		2.4	20
Bromobenzene	A	50.00	50.49	0.6707844	0.6774037		1.0	20
Bromochloromethane	A	50.00	49.62	0.1610598	0.1598259		-0.8	20
Bromodichloromethane	A	50.00	45.51	0.367119	0.334183		-9.0	20
Bromoform	A	50.00	51.38	0.5570879	0.5724343	0.1	2.8	20
Bromomethane	A	50.00	51.70	0.2371673	0.2452091		3.4	20
n-Butylbenzene	A	50.00	52.48	1.25577	1.318002		5.0	20
2-Butanone	A	100.0	101.9	0.1124207	0.1145592		1.9	20
sec-Butylbenzene	A	50.00	54.89	1.611959	1.769715		9.8	20
tert-Butylbenzene	A	50.00	54.90	1.325365	1.455229		9.8	20
Carbon disulfide	A	50.00	43.37	0.7998634	0.6937366		-13.3	20
Carbon tetrachloride	A	50.00	46.43	0.3262925	0.3029646		-7.1	20
Chlorobenzene	A	50.00	49.04	1.568436	1.538418	0.3	-1.9	20
Chloroethane	A	50.00	53.30	0.1806588	0.1925923		6.6	20
Chloroform	A	50.00	46.34	0.4744536	0.4397535		-7.3	20
Chloromethane	A	50.00	44.82	0.2838127	0.2543945	0.1	-10.4	20
2-Chlorotoluene	A	50.00	51.43	1.406962	1.447309		2.9	20
4-Chlorotoluene	A	50.00	50.62	1.604407	1.624311		1.2	20
Dibromochloromethane	A	50.00	49.99	0.769378	0.7691737		-0.03	20
1,2-Dibromo-3-chloropropane	A	50.00	55.71	0.127553	0.1421214		11.4	20
1,2-Dibromoethane (EDB)	A	50.00	51.02	0.6479703	0.6611607		2.0	20
Dibromomethane	A	50.00	47.59	0.1940242	0.184654		-4.8	20
1,2-Dichlorobenzene	A	50.00	52.87	1.058134	1.118927		5.7	20
1,3-Dichlorobenzene	A	50.00	51.04	1.078745	1.101288		2.1	20
1,4-Dichlorobenzene	A	50.00	50.03	1.124346	1.125003		0.06	20
Dichlorodifluoromethane	A	50.00	46.71	0.2558439	0.2390237		-6.6	20
1,1-Dichloroethane	A	50.00	48.27	0.4565325	0.44072	0.1	-3.5	20
1,2-Dichloroethane	A	50.00	44.56	0.3683907	0.3283425		-10.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0413ICV1.D	Calibration Date:	04/13/12 10:01
Sequence:	2D10703	Injection Date:	04/13/12
Lab Sample ID:	2D10703-ICV1	Injection Time:	14:43

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	50.00	49.31	0.2335365	0.2303134		-1.4	20
cis-1,2-Dichloroethene	A	50.00	48.36	0.2672463	0.2584883		-3.3	20
trans-1,2-Dichloroethene	A	50.00	52.93	0.2512112	0.2659371		5.9	20
1,2-Dichloropropane	A	50.00	52.42	0.2488704	0.2608981		4.8	20
1,3-Dichloropropane	A	50.00	52.79	0.8760698	0.9249283		5.6	20
2,2-Dichloropropane	A	50.00	44.36	0.3352387	0.2974207		-11.3	20
1,1-Dichloropropene	A	50.00	51.06	0.3166784	0.3234173		2.1	20
cis-1,3-Dichloropropene	A	50.00	53.05	0.3811791	0.4044602		6.1	20
trans-1,3-Dichloropropene	A	50.00	45.62	0.9101906	0.8305426		-8.8	20
Ethylbenzene	A	50.00	54.08	2.319353	2.508596		8.2	20
Hexachlorobutadiene	A	50.00	53.94	0.2797128	0.3017672		7.9	20
2-Hexanone	A	100.0	108.2	0.3587361	0.388092		8.2	20
Isopropylbenzene	A	50.00	51.22	1.86305	1.90856		2.4	20
p-Isopropyltoluene	A	50.00	50.36	1.431486	1.441785		0.7	20
Methylene chloride	A	50.00	50.07	0.2875132	0.2879214		0.1	20
Naphthalene	L	50.00	50.83	1.203146	1.425088		1.7	20
4-Methyl-2-pentanone	A	100.0	105.2	0.2143363	0.2254178		5.2	20
Methyl t-Butyl Ether	A	50.00	53.31	0.5723719	0.6102497		6.6	20
n-Propylbenzene	A	50.00	53.20	2.058403	2.190187		6.4	20
Styrene	A	50.00	55.68	1.575163	1.753996		11.4	20
1,1,2,2-Tetrachloroethane	A	50.00	53.13	0.5534253	0.5881117	0.3	6.3	20
1,1,1,2-Tetrachloroethane	A	50.00	49.98	0.6056048	0.605314		-0.05	20
Tetrachloroethene	A	50.00	50.64	0.6811577	0.6898188		1.3	20
Toluene	A	50.00	52.64	1.30724	1.376168		5.3	20
1,2,3-Trichlorobenzene	A	50.00	57.86	0.5578072	0.6454726		15.7	20
1,2,4-Trichlorobenzene	A	50.00	54.27	0.639937	0.6945461		8.5	20
1,1,2-Trichloroethane	A	50.00	53.68	0.4707205	0.5053412		7.4	20
1,1,1-Trichloroethane	A	50.00	46.49	0.3590861	0.3338821		-7.0	20
Trichloroethene	A	50.00	49.08	0.2743067	0.2692733		-1.8	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0413ICV1.D	Calibration Date:	04/13/12 10:01
Sequence:	2D10703	Injection Date:	04/13/12
Lab Sample ID:	2D10703-ICV1	Injection Time:	14:43

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	50.00	47.29	0.4111201	0.388842		-5.4	20
1,2,3-Trichloropropane	A	50.00	51.48	0.1742485	0.1794159		3.0	20
1,3,5-Trimethylbenzene	A	50.00	53.33	1.469525	1.567259		6.7	20
1,2,4-Trimethylbenzene	A	50.00	52.02	1.541888	1.604226		4.0	20
Xylenes (total)	A	150.0	157.7	1.803751	1.894447		5.0	20
Bromofluorobenzene	A	30.00	32.20	0.9674436	1.038237		7.3	20
Dibromofluoromethane	A	30.00	28.82	0.3269441	0.3140501		-3.9	20
1,2-Dichloroethane-d4	A	30.00	29.63	6.179571E-02	6.103904E-02		-1.2	20
Toluene-d8	A	30.00	32.16	2.234963	2.395762		7.2	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0413ICV2.D	Calibration Date:	04/13/12 10:01
Sequence:	2D10703	Injection Date:	04/13/12
Lab Sample ID:	2D10703-ICV2	Injection Time:	15:11

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	A	100.0	108.2	0.2151763	0.2327305		8.2	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

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

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQICV2.D	Calibration Date:	07/30/12 09:48
Sequence:	2G21301	Injection Date:	07/30/12
Lab Sample ID:	2G21301-ICV2	Injection Time:	15:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	Q	200.0	183.7	6.127911E-02	5.039898E-02		-8.2	20
Benzene	A	100.0	98.12	0.9439093	0.9261312		-1.9	20
Bromobenzene	A	100.0	99.75	0.7349524	0.7331288		-0.2	20
Bromochloromethane	A	100.0	95.84	0.1828541	0.1752508		-4.2	20
Bromodichloromethane	A	100.0	88.61	0.4300389	0.3810484		-11.4	20
Bromoform	A	100.0	100.1	0.6947025	0.6956394	0.1	0.1	20
Bromomethane	A	100.0	91.96	0.1767748	0.162559		-8.0	20
n-Butylbenzene	A	100.0	102.8	1.341081	1.378312		2.8	20
2-Butanone	A	200.0	207.8	7.898584E-02	8.208541E-02		3.9	20
sec-Butylbenzene	A	100.0	102.3	1.938318	1.983453		2.3	20
tert-Butylbenzene	A	100.0	102.2	1.716248	1.754041		2.2	20
Carbon disulfide	A	100.0	85.74	0.6093037	0.5224242		-14.3	20
Carbon tetrachloride	A	100.0	91.42	0.484154	0.4426293		-8.6	20
Chlorobenzene	A	100.0	96.64	2.105777	2.034926	0.3	-3.4	20
Chloroethane	A	100.0	98.85	0.1372338	0.135659		-1.1	20
Chloroform	A	100.0	88.60	0.5183192	0.4592401		-11.4	20
Chloromethane	A	100.0	84.03	0.2232586	0.1876022	0.1	-16.0	20
2-Chlorotoluene	A	100.0	98.52	1.478503	1.456692		-1.5	20
4-Chlorotoluene	A	100.0	96.97	1.728237	1.675835		-3.0	20
Dibromochloromethane	A	100.0	96.45	0.96157	0.9274602		-3.5	20
1,2-Dibromo-3-chloropropane	A	100.0	99.47	0.165218	0.1643396		-0.5	20
1,2-Dibromoethane (EDB)	A	100.0	98.03	0.7261361	0.7118423		-2.0	20
Dibromomethane	A	100.0	89.54	0.187154	0.1675726		-10.5	20
1,2-Dichlorobenzene	A	100.0	98.65	1.306003	1.288358		-1.4	20
1,3-Dichlorobenzene	A	100.0	96.97	1.348763	1.307847		-3.0	20
1,4-Dichlorobenzene	A	100.0	97.31	1.414025	1.376001		-2.7	20
Dichlorodifluoromethane	A	100.0	90.15	0.2646311	0.2385575		-9.9	20
1,1-Dichloroethane	A	100.0	91.90	0.4219782	0.3877804	0.1	-8.1	20
1,2-Dichloroethane	A	100.0	91.49	0.3881483	0.3551092		-8.5	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQICV2.D	Calibration Date:	07/30/12 09:48
Sequence:	2G21301	Injection Date:	07/30/12
Lab Sample ID:	2G21301-ICV2	Injection Time:	15:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	90.10	0.2299039	0.2071465		-9.9	20
cis-1,2-Dichloroethene	A	100.0	96.15	0.2923164	0.2810583		-3.9	20
trans-1,2-Dichloroethene	A	100.0	95.30	0.2706481	0.2579408		-4.7	20
1,2-Dichloropropane	A	100.0	100.7	0.2208834	0.2225275		0.7	20
1,3-Dichloropropane	A	100.0	101.6	0.9533089	0.9689208		1.6	20
2,2-Dichloropropane	A	100.0	87.96	0.380659	0.3348087		-12.0	20
1,1-Dichloropropene	A	100.0	96.64	0.3461839	0.3345491		-3.4	20
cis-1,3-Dichloropropene	A	100.0	101.6	0.4014071	0.4077756		1.6	20
trans-1,3-Dichloropropene	A	100.0	92.23	0.9928947	0.9157918		-7.8	20
Ethylbenzene	A	100.0	103.2	2.993416	3.090646		3.2	20
Hexachlorobutadiene	A	100.0	93.41	0.2768995	0.2586445		-6.6	20
2-Hexanone	A	200.0	215.6	0.2794217	0.3012799		7.8	20
Isopropylbenzene	A	100.0	98.25	2.843894	2.794159		-1.7	20
p-Isopropyltoluene	A	100.0	94.76	1.937734	1.836263		-5.2	20
Methylene chloride	A	100.0	85.85	0.2732269	0.2345743		-14.1	20
Naphthalene	Q	100.0	92.84	1.980321	2.1244		-7.2	20
4-Methyl-2-pentanone	A	200.0	210.9	0.1703177	0.1796329		5.5	20
Methyl t-Butyl Ether	A	100.0	97.87	0.6006161	0.5877969		-2.1	20
n-Propylbenzene	A	100.0	98.78	2.246051	2.218608		-1.2	20
Styrene	A	100.0	104.4	2.183883	2.278802		4.3	20
1,1,2,2-Tetrachloroethane	A	100.0	98.11	0.4961926	0.4868005	0.3	-1.9	20
1,1,1,2-Tetrachloroethane	A	100.0	97.08	0.898878	0.8726047		-2.9	20
Tetrachloroethene	A	100.0	98.09	0.888101	0.8711469		-1.9	20
Toluene	A	100.0	100.3	1.582424	1.587772		0.3	20
1,2,3-Trichlorobenzene	A	100.0	104.0	0.7234561	0.7525423		4.0	20
1,2,4-Trichlorobenzene	A	100.0	104.5	0.7784328	0.8132379		4.5	20
1,1,2-Trichloroethane	A	100.0	101.9	0.4518993	0.4606312		1.9	20
1,1,1-Trichloroethane	A	100.0	94.05	0.4808123	0.4521803		-6.0	20
Trichloroethene	A	100.0	97.40	0.2875668	0.2800962		-2.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQICV2.D	Calibration Date:	07/30/12 09:48
Sequence:	2G21301	Injection Date:	07/30/12
Lab Sample ID:	2G21301-ICV2	Injection Time:	15:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	92.42	0.448402	0.4144215		-7.6	20
1,2,3-Trichloropropane	A	100.0	98.17	0.2946555	0.2892708		-1.8	20
1,3,5-Trimethylbenzene	A	100.0	106.0	1.776362	1.882185		6.0	20
1,2,4-Trimethylbenzene	A	100.0	100.3	1.893477	1.899645		0.3	20
Vinyl chloride	A	100.0	103.4	0.2136571	0.2210024		3.4	20
Xylenes (total)	A	300.0	307.1	2.416686	2.474198		2.4	20
Bromofluorobenzene	A	30.00	30.06	1.013563	1.015605		0.2	20
Dibromofluoromethane	A	30.00	28.49	0.3010273	0.2858489		-5.0	20
1,2-Dichloroethane-d4	A	30.00	28.50	7.164132E-02	6.806127E-02		-5.0	20
Toluene-d8	A	30.00	30.27	2.401311	2.422749		0.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0727CCV1.D	Calibration Date:	04/13/12 10:01
Sequence:	2G21203	Injection Date:	07/27/12
Lab Sample ID:	2G21203-CCV1	Injection Time:	10:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	186.3	8.814289E-02	8.211798E-02		-6.8	20
Benzene	A	100.0	104.2	0.8790077	0.915718		4.2	20
Bromobenzene	A	100.0	88.65	0.6707844	0.5946291		-11.4	20
Bromochloromethane	A	100.0	96.66	0.1610598	0.1556875		-3.3	20
Bromodichloromethane	A	100.0	96.20	0.367119	0.3531568		-3.8	20
Bromoform	A	100.0	91.56	0.5570879	0.5100803	0.1	-8.4	20
Bromomethane	A	100.0	94.06	0.2371673	0.223088		-5.9	20
n-Butylbenzene	A	100.0	94.83	1.25577	1.190886		-5.2	20
2-Butanone	A	200.0	236.8	0.1124207	0.1331344		18.4	20
sec-Butylbenzene	A	100.0	99.31	1.611959	1.600771		-0.7	20
tert-Butylbenzene	A	100.0	97.25	1.325365	1.288917		-2.8	20
Carbon disulfide	A	100.0	99.21	0.7998634	0.7935578		-0.8	20
Carbon tetrachloride	A	100.0	99.70	0.3262925	0.3253201		-0.3	20
Chlorobenzene	A	100.0	96.36	1.568436	1.51135	0.3	-3.6	20
Chloroethane	A	100.0	99.21	0.1806588	0.1792347		-0.8	20
Chloroform	A	100.0	94.43	0.4744536	0.448049		-5.6	20
Chloromethane	A	100.0	107.0	0.2838127	0.3036738	0.1	7.0	20
2-Chlorotoluene	A	100.0	93.16	1.406962	1.31069		-6.8	20
4-Chlorotoluene	A	100.0	94.59	1.604407	1.517672		-5.4	20
Dibromochloromethane	A	100.0	92.38	0.769378	0.710763		-7.6	20
1,2-Dibromo-3-chloropropane	A	100.0	88.85	0.127553	0.1133273		-11.2	20
1,2-Dibromoethane (EDB)	A	100.0	93.78	0.6479703	0.6076524		-6.2	20
Dibromomethane	A	100.0	96.43	0.1940242	0.1871052		-3.6	20
1,2-Dichlorobenzene	A	100.0	91.15	1.058134	0.9645075		-8.8	20
1,3-Dichlorobenzene	A	100.0	92.35	1.078745	0.9962005		-7.7	20
1,4-Dichlorobenzene	A	100.0	88.91	1.124346	0.9996081		-11.1	20
Dichlorodifluoromethane	A	100.0	110.4	0.2558439	0.2824931		10.4	20
1,1-Dichloroethane	A	100.0	101.9	0.4565325	0.4650659	0.1	1.9	20
1,2-Dichloroethane	A	100.0	96.05	0.3683907	0.353853		-3.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0727CCV1.D	Calibration Date:	04/13/12 10:01
Sequence:	2G21203	Injection Date:	07/27/12
Lab Sample ID:	2G21203-CCV1	Injection Time:	10:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Dichloroethene	A	100.0	106.6	0.2335365	0.2490038		6.6	20	
cis-1,2-Dichloroethene	A	100.0	101.2	0.2672463	0.2705185		1.2	20	
trans-1,2-Dichloroethene	A	100.0	102.2	0.2512112	0.2566713		2.2	20	
1,2-Dichloropropane	A	100.0	105.1	0.2488704	0.261521		5.1	20	
1,3-Dichloropropane	A	100.0	96.71	0.8760698	0.8472118		-3.3	20	
2,2-Dichloropropane	A	100.0	96.59	0.3352387	0.3238195		-3.4	20	
1,1-Dichloropropene	A	100.0	103.8	0.3166784	0.3287976		3.8	20	
cis-1,3-Dichloropropene	A	100.0	101.9	0.3811791	0.3884209		1.9	20	
trans-1,3-Dichloropropene	A	100.0	93.17	0.9101906	0.8480253		-6.8	20	
Ethylbenzene	A	100.0	99.92	2.319353	2.317446		-0.08	20	
Hexachlorobutadiene	A	100.0	74.63	0.2797128	0.2087584		-25.4	20	*
2-Hexanone	A	200.0	239.9	0.3587361	0.4303331		20.0	20	
Isopropylbenzene	A	100.0	105.1	1.86305	1.95865		5.1	20	
p-Isopropyltoluene	A	100.0	95.09	1.431486	1.361131		-4.9	20	
Methylene chloride	A	100.0	99.03	0.2875132	0.2847313		-1.0	20	
Naphthalene	L	100.0	81.10	1.203146	1.145118		-18.9	20	
4-Methyl-2-pentanone	A	200.0	252.8	0.2143363	0.2708681		26.4	20	*
Methyl t-Butyl Ether	A	100.0	102.2	0.5723719	0.5848149		2.2	20	
n-Propylbenzene	A	100.0	97.85	2.058403	2.014128		-2.2	20	
Styrene	A	100.0	101.7	1.575163	1.601694		1.7	20	
1,1,2,2-Tetrachloroethane	A	100.0	98.74	0.5534253	0.5464752	0.3	-1.3	20	
1,1,1,2-Tetrachloroethane	A	100.0	91.84	0.6056048	0.5561648		-8.2	20	
Tetrachloroethene	A	100.0	91.91	0.6811577	0.6260684		-8.1	20	
Toluene	A	100.0	94.82	1.30724	1.239486		-5.2	20	
1,2,3-Trichlorobenzene	A	100.0	86.68	0.5578072	0.4834961		-13.3	20	
1,2,4-Trichlorobenzene	A	100.0	86.99	0.639937	0.5566865		-13.0	20	
1,1,2-Trichloroethane	A	100.0	94.03	0.4707205	0.4426011		-6.0	20	
1,1,1-Trichloroethane	A	100.0	96.62	0.3590861	0.3469591		-3.4	20	
Trichloroethene	A	100.0	94.05	0.2743067	0.2579982		-5.9	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2107004
Lab File ID:	0727CCV1.D	Calibration Date:	04/13/12 10:01
Sequence:	2G21203	Injection Date:	07/27/12
Lab Sample ID:	2G21203-CCV1	Injection Time:	10:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.49	0.4111201	0.3966751		-3.5	20
1,2,3-Trichloropropane	A	100.0	96.45	0.1742485	0.1680603		-3.6	20
1,3,5-Trimethylbenzene	A	100.0	97.86	1.469525	1.438017		-2.1	20
1,2,4-Trimethylbenzene	A	100.0	96.31	1.541888	1.485017		-3.7	20
Vinyl chloride	A	100.0	123.0	0.2151763	0.2646088		23.0	20 *
Xylenes (total)	A	300.0	290.6	1.803751	1.74668		-3.2	20
Bromofluorobenzene	A	30.00	33.42	0.9674436	1.077654		11.4	20
Dibromofluoromethane	A	30.00	29.37	0.3269441	0.3200527		-2.1	20
1,2-Dichloroethane-d4	A	30.00	28.97	6.179571E-02	5.966858E-02		-3.4	20
Toluene-d8	A	30.00	30.34	2.234963	2.260313		1.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H21401	Injection Date:	07/31/12
Lab Sample ID:	2H21401-CCV1	Injection Time:	07:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	274.7	6.127911E-02	7.396169E-02		37.4	20 *
Benzene	A	100.0	97.61	0.9439093	0.9213968		-2.4	20
Bromobenzene	A	100.0	98.14	0.7349524	0.7212502		-1.9	20
Bromochloromethane	A	100.0	98.38	0.1828541	0.1799		-1.6	20
Bromodichloromethane	A	100.0	94.95	0.4300389	0.4083152		-5.1	20
Bromoform	A	100.0	100.1	0.6947025	0.6952783	0.1	0.08	20
Bromomethane	A	100.0	83.65	0.1767748	0.1478776		-16.3	20
n-Butylbenzene	A	100.0	97.81	1.341081	1.311656		-2.2	20
2-Butanone	A	200.0	242.6	7.898584E-02	9.580072E-02		21.3	20 *
sec-Butylbenzene	A	100.0	96.41	1.938318	1.868701		-3.6	20
tert-Butylbenzene	A	100.0	98.15	1.716248	1.684537		-1.8	20
Carbon disulfide	A	100.0	89.76	0.6093037	0.5468983		-10.2	20
Carbon tetrachloride	A	100.0	89.43	0.484154	0.4330027		-10.6	20
Chlorobenzene	A	100.0	94.84	2.105777	1.997014	0.3	-5.2	20
Chloroethane	A	100.0	92.95	0.1372338	0.1275634		-7.0	20
Chloroform	A	100.0	93.37	0.5183192	0.4839661		-6.6	20
Chloromethane	A	100.0	92.14	0.2232586	0.2057083	0.1	-7.9	20
2-Chlorotoluene	A	100.0	95.50	1.478503	1.411938		-4.5	20
4-Chlorotoluene	A	100.0	99.30	1.728237	1.716127		-0.7	20
Dibromochloromethane	A	100.0	97.37	0.96157	0.9362562		-2.6	20
1,2-Dibromo-3-chloropropane	A	100.0	101.3	0.165218	0.1673871		1.3	20
1,2-Dibromoethane (EDB)	A	100.0	96.17	0.7261361	0.6983132		-3.8	20
Dibromomethane	A	100.0	93.56	0.187154	0.1751004		-6.4	20
1,2-Dichlorobenzene	A	100.0	100.7	1.306003	1.314691		0.7	20
1,3-Dichlorobenzene	A	100.0	98.01	1.348763	1.321989		-2.0	20
1,4-Dichlorobenzene	A	100.0	96.14	1.414025	1.359497		-3.9	20
Dichlorodifluoromethane	A	100.0	94.07	0.2646311	0.2489389		-5.9	20
1,1-Dichloroethane	A	100.0	93.65	0.4219782	0.3951994	0.1	-6.3	20
1,2-Dichloroethane	A	100.0	99.14	0.3881483	0.3848238		-0.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H21401	Injection Date:	07/31/12
Lab Sample ID:	2H21401-CCV1	Injection Time:	07:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	89.16	0.2299039	0.2049906		-10.8	20
cis-1,2-Dichloroethene	A	100.0	97.51	0.2923164	0.2850515		-2.5	20
trans-1,2-Dichloroethene	A	100.0	93.53	0.2706481	0.2531252		-6.5	20
1,2-Dichloropropane	A	100.0	99.36	0.2208834	0.2194751		-0.6	20
1,3-Dichloropropane	A	100.0	97.51	0.9533089	0.9295734		-2.5	20
2,2-Dichloropropane	A	100.0	99.52	0.380659	0.3788297		-0.5	20
1,1-Dichloropropene	A	100.0	93.96	0.3461839	0.325285		-6.0	20
cis-1,3-Dichloropropene	A	100.0	103.8	0.4014071	0.4168372		3.8	20
trans-1,3-Dichloropropene	A	100.0	101.3	0.9928947	1.005867		1.3	20
Ethylbenzene	A	100.0	96.28	2.993416	2.882026		-3.7	20
Hexachlorobutadiene	A	100.0	93.18	0.2768995	0.2580168		-6.8	20
2-Hexanone	A	200.0	229.7	0.2794217	0.3209248		14.9	20
Isopropylbenzene	A	100.0	97.91	2.843894	2.784334		-2.1	20
p-Isopropyltoluene	A	100.0	95.96	1.937734	1.859473		-4.0	20
Methylene chloride	A	100.0	86.58	0.2732269	0.2365468		-13.4	20
Naphthalene	Q	100.0	95.76	1.980321	2.196242		-4.2	20
4-Methyl-2-pentanone	A	200.0	211.6	0.1703177	0.1801631		5.8	20
Methyl t-Butyl Ether	A	100.0	100.4	0.6006161	0.6032531		0.4	20
n-Propylbenzene	A	100.0	95.31	2.246051	2.140773		-4.7	20
Styrene	A	100.0	103.2	2.183883	2.254937		3.3	20
1,1,2,2-Tetrachloroethane	A	100.0	97.42	0.4961926	0.4833966	0.3	-2.6	20
1,1,1,2-Tetrachloroethane	A	100.0	95.63	0.898878	0.8596278		-4.4	20
Tetrachloroethene	A	100.0	87.93	0.888101	0.780885		-12.1	20
Toluene	A	100.0	93.21	1.582424	1.475031		-6.8	20
1,2,3-Trichlorobenzene	A	100.0	103.2	0.7234561	0.7469364		3.2	20
1,2,4-Trichlorobenzene	A	100.0	106.4	0.7784328	0.8280811		6.4	20
1,1,2-Trichloroethane	A	100.0	94.86	0.4518993	0.4286517		-5.1	20
1,1,1-Trichloroethane	A	100.0	91.67	0.4808123	0.4407686		-8.3	20
Trichloroethene	A	100.0	95.11	0.2875668	0.2734995		-4.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H21401	Injection Date:	07/31/12
Lab Sample ID:	2H21401-CCV1	Injection Time:	07:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	87.88	0.448402	0.3940522		-12.1	20
1,2,3-Trichloropropane	A	100.0	97.91	0.2946555	0.2885078		-2.1	20
1,3,5-Trimethylbenzene	A	100.0	99.79	1.776362	1.772593		-0.2	20
1,2,4-Trimethylbenzene	A	100.0	99.47	1.893477	1.883347		-0.5	20
Vinyl chloride	A	100.0	91.37	0.2136571	0.1952134		-8.6	20
Xylenes (total)	A	300.0	291.0	2.416686	2.344703		-3.0	20
Bromofluorobenzene	A	30.00	30.47	1.013563	1.029301		1.6	20
Dibromofluoromethane	A	30.00	30.24	0.3010273	0.3034821		0.8	20
1,2-Dichloroethane-d4	A	30.00	30.13	7.164132E-02	7.194338E-02		0.4	20
Toluene-d8	A	30.00	29.57	2.401311	2.367248		-1.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0801CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2H21505	Injection Date:	08/01/12
Lab Sample ID:	2H21505-CCV1	Injection Time:	08:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	155.6	8.548666E-02	6.652198E-02		-22.2	20 *
Benzene	A	100.0	91.72	0.9315107	0.8543878		-8.3	20
Bromobenzene	A	100.0	92.39	0.7087812	0.654829		-7.6	20
Bromochloromethane	A	100.0	98.60	0.1195172	0.1178496		-1.4	20
Bromodichloromethane	A	100.0	99.40	0.2918713	0.2901199		-0.6	20
Bromoform	Q	100.0	97.41	0.2807903	0.3389848	0.1	-2.6	20
Bromomethane	A	100.0	84.41	0.1508425	0.1273313		-15.6	20
n-Butylbenzene	A	100.0	84.22	1.996493	1.681538		-15.8	20
2-Butanone	A	200.0	209.0	0.1504013	0.1571379		4.5	20
sec-Butylbenzene	A	100.0	87.18	2.683693	2.339734		-12.8	20
tert-Butylbenzene	A	100.0	93.01	1.962219	1.825152		-7.0	20
Carbon disulfide	A	100.0	91.53	0.549092	0.5025797		-8.5	20
Carbon tetrachloride	A	100.0	107.9	0.2201406	0.2375555		7.9	20
Chlorobenzene	A	100.0	94.07	1.46879	1.381685	0.3	-5.9	20
Chloroethane	A	100.0	82.37	0.1477522	0.1217044		-17.6	20
Chloroform	A	100.0	90.65	0.4138944	0.3751916		-9.4	20
Chloromethane	A	100.0	74.02	0.2843574	0.2104704	0.1	-26.0	20 *
2-Chlorotoluene	A	100.0	88.47	2.089316	1.848336		-11.5	20
4-Chlorotoluene	A	100.0	89.22	2.383943	2.127029		-10.8	20
Dibromochloromethane	Q	100.0	97.68	0.4682909	0.5365513		-2.3	20
1,2-Dibromo-3-chloropropane	Q	100.0	91.13	0.1119305	0.1253233		-8.9	20
1,2-Dibromoethane (EDB)	A	100.0	94.47	0.5515188	0.5210256		-5.5	20
Dibromomethane	A	100.0	91.55	0.159759	0.1462581		-8.5	20
1,2-Dichlorobenzene	A	100.0	92.87	1.203659	1.117814		-7.1	20
1,3-Dichlorobenzene	A	100.0	92.94	1.256964	1.168203		-7.1	20
1,4-Dichlorobenzene	A	100.0	92.79	1.26803	1.17658		-7.2	20
Dichlorodifluoromethane	A	100.0	94.90	0.1924809	0.1826692		-5.1	20
1,1-Dichloroethane	A	100.0	92.58	0.4594785	0.4254076	0.1	-7.4	20
1,2-Dichloroethane	A	100.0	90.79	0.3510167	0.3186991		-9.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0801CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2H21505	Injection Date:	08/01/12
Lab Sample ID:	2H21505-CCV1	Injection Time:	08:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	86.91	0.1816551	0.1578723		-13.1	20
cis-1,2-Dichloroethene	A	100.0	92.70	0.2461851	0.2282062		-7.3	20
trans-1,2-Dichloroethene	A	100.0	91.34	0.2335685	0.2133494		-8.7	20
1,2-Dichloropropane	A	100.0	94.98	0.259293	0.246285		-5.0	20
1,3-Dichloropropane	A	100.0	92.60	0.8986729	0.8322104		-7.4	20
2,2-Dichloropropane	A	100.0	103.6	0.2935838	0.3041343		3.6	20
1,1-Dichloropropene	A	100.0	92.82	0.319009	0.2961162		-7.2	20
cis-1,3-Dichloropropene	A	100.0	99.83	0.3521134	0.3515269		-0.2	20
trans-1,3-Dichloropropene	A	100.0	99.94	0.8239793	0.8234939		-0.06	20
Ethylbenzene	A	100.0	91.56	2.511121	2.299087		-8.4	20
Hexachlorobutadiene	A	100.0	70.43	0.2973976	0.2094493		-29.6	20 *
2-Hexanone	A	200.0	221.6	0.4846361	0.5369516		10.8	20
Isopropylbenzene	A	100.0	93.73	2.072041	1.942092		-6.3	20
p-Isopropyltoluene	A	100.0	91.14	2.123426	1.935331		-8.9	20
Methylene chloride	A	100.0	78.25	0.2190071	0.1713651		-21.8	20 *
Naphthalene	A	100.0	82.30	1.40191	1.153752		-17.7	20
4-Methyl-2-pentanone	A	200.0	229.4	0.2742899	0.3146561		14.7	20
Methyl t-Butyl Ether	A	100.0	95.09	0.6034362	0.5738117		-4.9	20
n-Propylbenzene	A	100.0	88.79	3.366424	2.989068		-11.2	20
Styrene	A	100.0	95.85	1.582432	1.51677		-4.1	20
1,1,2,2-Tetrachloroethane	A	100.0	88.63	0.8277083	0.7335614	0.3	-11.4	20
1,1,1,2-Tetrachloroethane	A	100.0	107.9	0.4212623	0.4545299		7.9	20
Tetrachloroethene	A	100.0	94.90	0.5209978	0.4944034		-5.1	20
Toluene	A	100.0	90.33	1.306882	1.180541		-9.7	20
1,2,3-Trichlorobenzene	A	100.0	73.74	0.6431937	0.474288		-26.3	20 *
1,2,4-Trichlorobenzene	A	100.0	77.65	0.7381814	0.5731974		-22.4	20 *
1,1,2-Trichloroethane	A	100.0	90.84	0.4426374	0.402086		-9.2	20
1,1,1-Trichloroethane	A	100.0	98.98	0.2930192	0.2900441		-1.0	20
Trichloroethene	A	100.0	94.81	0.2340808	0.2219362		-5.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0801CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2H21505	Injection Date:	08/01/12
Lab Sample ID:	2H21505-CCV1	Injection Time:	08:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	83.29	0.3110129	0.2590457		-16.7	20
1,2,3-Trichloropropane	A	100.0	93.99	0.1727305	0.1623452		-6.0	20
1,3,5-Trimethylbenzene	A	100.0	90.52	2.198041	1.989762		-9.5	20
1,2,4-Trimethylbenzene	A	100.0	91.25	2.208168	2.015062		-8.7	20
Vinyl chloride	A	100.0	89.92	0.1848242	0.1661989		-10.1	20
Xylenes (total)	A	300.0	270.8	1.916445	1.729981		-9.7	20
Bromofluorobenzene	A	30.00	31.45	0.8581783	0.89959		4.8	20
Dibromofluoromethane	A	30.00	31.81	0.2631144	0.278967		6.0	20
1,2-Dichloroethane-d4	A	30.00	31.07	6.156409E-02	6.375249E-02		3.6	20
Toluene-d8	A	30.00	31.95	2.250463	2.396947		6.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H21604	Injection Date:	08/02/12
Lab Sample ID:	2H21604-CCV1	Injection Time:	07:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	179.4	6.127911E-02	4.927578E-02		-10.3	20
Benzene	A	100.0	100.9	0.9439093	0.9522653		0.9	20
Bromobenzene	A	100.0	100.5	0.7349524	0.7386818		0.5	20
Bromochloromethane	A	100.0	100.1	0.1828541	0.1831146		0.1	20
Bromodichloromethane	A	100.0	98.69	0.4300389	0.4243936		-1.3	20
Bromoform	A	100.0	95.21	0.6947025	0.6614515	0.1	-4.8	20
Bromomethane	A	100.0	93.21	0.1767748	0.1647731		-6.8	20
n-Butylbenzene	A	100.0	109.0	1.341081	1.462196		9.0	20
2-Butanone	A	200.0	207.6	7.898584E-02	8.198002E-02		3.8	20
sec-Butylbenzene	A	100.0	108.7	1.938318	2.106785		8.7	20
tert-Butylbenzene	A	100.0	109.7	1.716248	1.882762		9.7	20
Carbon disulfide	A	100.0	106.7	0.6093037	0.6503392		6.7	20
Carbon tetrachloride	A	100.0	103.7	0.484154	0.501857		3.7	20
Chlorobenzene	A	100.0	95.34	2.105777	2.00768	0.3	-4.7	20
Chloroethane	A	100.0	97.70	0.1372338	0.134083		-2.3	20
Chloroform	A	100.0	94.76	0.5183192	0.4911668		-5.2	20
Chloromethane	A	100.0	89.73	0.2232586	0.2003348	0.1	-10.3	20
2-Chlorotoluene	A	100.0	101.7	1.478503	1.50333		1.7	20
4-Chlorotoluene	A	100.0	104.5	1.728237	1.806738		4.5	20
Dibromochloromethane	A	100.0	96.54	0.96157	0.9282873		-3.5	20
1,2-Dibromo-3-chloropropane	A	100.0	95.44	0.165218	0.1576836		-4.6	20
1,2-Dibromoethane (EDB)	A	100.0	93.82	0.7261361	0.6812378		-6.2	20
Dibromomethane	A	100.0	96.43	0.187154	0.1804649		-3.6	20
1,2-Dichlorobenzene	A	100.0	101.7	1.306003	1.328258		1.7	20
1,3-Dichlorobenzene	A	100.0	100.8	1.348763	1.35972		0.8	20
1,4-Dichlorobenzene	A	100.0	98.86	1.414025	1.397925		-1.1	20
Dichlorodifluoromethane	A	100.0	103.0	0.2646311	0.2727093		3.1	20
1,1-Dichloroethane	A	100.0	98.30	0.4219782	0.4147909	0.1	-1.7	20
1,2-Dichloroethane	A	100.0	100.4	0.3881483	0.3897337		0.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H21604	Injection Date:	08/02/12
Lab Sample ID:	2H21604-CCV1	Injection Time:	07:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	101.2	0.2299039	0.2326958		1.2	20
cis-1,2-Dichloroethene	A	100.0	98.94	0.2923164	0.2892238		-1.1	20
trans-1,2-Dichloroethene	A	100.0	100.1	0.2706481	0.270872		0.08	20
1,2-Dichloropropane	A	100.0	102.0	0.2208834	0.2253823		2.0	20
1,3-Dichloropropane	A	100.0	93.10	0.9533089	0.8874835		-6.9	20
2,2-Dichloropropane	A	100.0	110.6	0.380659	0.4211049		10.6	20
1,1-Dichloropropene	A	100.0	106.2	0.3461839	0.3675471		6.2	20
cis-1,3-Dichloropropene	A	100.0	105.9	0.4014071	0.4250017		5.9	20
trans-1,3-Dichloropropene	A	100.0	101.3	0.9928947	1.006243		1.3	20
Ethylbenzene	A	100.0	99.74	2.993416	2.985724		-0.3	20
Hexachlorobutadiene	A	100.0	102.2	0.2768995	0.2828883		2.2	20
2-Hexanone	A	200.0	211.2	0.2794217	0.2950199		5.6	20
Isopropylbenzene	A	100.0	106.6	2.843894	3.032519		6.6	20
p-Isopropyltoluene	A	100.0	106.4	1.937734	2.062674		6.4	20
Methylene chloride	A	100.0	89.64	0.2732269	0.2449316		-10.4	20
Naphthalene	Q	100.0	90.61	1.980321	2.069703		-9.4	20
4-Methyl-2-pentanone	A	200.0	225.8	0.1703177	0.1923042		12.9	20
Methyl t-Butyl Ether	A	100.0	100.9	0.6006161	0.606054		0.9	20
n-Propylbenzene	A	100.0	104.2	2.246051	2.341186		4.2	20
Styrene	A	100.0	104.2	2.183883	2.274852		4.2	20
1,1,2,2-Tetrachloroethane	A	100.0	92.35	0.4961926	0.4582576	0.3	-7.6	20
1,1,1,2-Tetrachloroethane	A	100.0	97.85	0.898878	0.879511		-2.2	20
Tetrachloroethene	A	100.0	98.67	0.888101	0.8763045		-1.3	20
Toluene	A	100.0	97.36	1.582424	1.540664		-2.6	20
1,2,3-Trichlorobenzene	A	100.0	102.4	0.7234561	0.7408686		2.4	20
1,2,4-Trichlorobenzene	A	100.0	107.2	0.7784328	0.834147		7.2	20
1,1,2-Trichloroethane	A	100.0	94.02	0.4518993	0.4248584		-6.0	20
1,1,1-Trichloroethane	A	100.0	102.5	0.4808123	0.4928308		2.5	20
Trichloroethene	A	100.0	103.0	0.2875668	0.296106		3.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H21604	Injection Date:	08/02/12
Lab Sample ID:	2H21604-CCV1	Injection Time:	07:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	103.2	0.448402	0.4629097		3.2	20
1,2,3-Trichloropropane	A	100.0	95.18	0.2946555	0.2804664		-4.8	20
1,3,5-Trimethylbenzene	A	100.0	107.8	1.776362	1.915248		7.8	20
1,2,4-Trimethylbenzene	A	100.0	106.2	1.893477	2.010276		6.2	20
Vinyl chloride	A	100.0	97.44	0.2136571	0.2081861		-2.6	20
Xylenes (total)	A	300.0	302.1	2.416686	2.433341		0.7	20
Bromofluorobenzene	A	30.00	30.39	1.013563	1.026873		1.3	20
Dibromofluoromethane	A	30.00	29.49	0.3010273	0.2959505		-1.7	20
1,2-Dichloroethane-d4	A	30.00	28.91	7.164132E-02	6.903952E-02		-3.6	20
Toluene-d8	A	30.00	28.90	2.401311	2.313316		-3.7	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_058

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

Matrix: Laboratory ID: 2G27013-BLK1 File ID: 0727BLK1.D

Sampled: Prepared: Analyzed: 07/27/12 12:47

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-BLK1 File ID: 0727BLK1.D

Sampled: Prepared: Analyzed: 07/27/12 12:47

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 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	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	X, 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	29.28	97.6	75 - 120	
Dibromofluoromethane	30.00	31.26	104	85 - 115	
1,2-Dichloroethane-d4	30.00	32.56	109	70 - 120	
Toluene-d8	30.00	29.89	99.6	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-BS1 File ID: 0727LCS1.D

Sampled: Prepared: Analyzed: 07/27/12 11:20

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.6	2.50	5.00	10.0	
71-43-2	Benzene	53.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	44.5	0.250	0.500	1.00	
75-25-2	Bromoform	44.3	0.250	0.500	1.00	
74-83-9	Bromomethane	49.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.1	0.250	0.500	1.00	
78-93-3	2-Butanone	116	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	52.5	0.500	1.00	2.00	
67-66-3	Chloroform	46.3	0.250	0.500	1.00	
74-87-3	Chloromethane	49.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	42.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	46.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	46.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	45.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	45.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.7	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	47.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	47.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.7	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	41.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	41.6	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G27013-BS1
File ID: 0727LCS1.D
Sampled:
Prepared:
Analyzed: 07/27/12 11:20
Solids:
Preparation: 5030B
Dilution:
Batch: 2G27013
Sequence: 2G21203
Calibration: 2107004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	115	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.6	0.500	1.00	2.00	
91-20-3	Naphthalene	44.4	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	124	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	51.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.2	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	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.6	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	43.1	0.250	0.500	1.00	
108-88-3	Toluene	46.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	45.8	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	45.5	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	46.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	46.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	45.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	46.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	65.2	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	141	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.68	102	75 - 120	
Dibromofluoromethane	30.00	29.60	98.7	85 - 115	
1,2-Dichloroethane-d4	30.00	29.91	99.7	70 - 120	
Toluene-d8	30.00	29.56	98.5	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MS1 File ID: 0713005M.D

Sampled: Prepared: Analyzed: 07/27/12 21:26

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	86.7	2.50	5.00	10.0	
71-43-2	Benzene	55.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.8	0.250	0.500	1.00	
75-25-2	Bromoform	46.1	0.250	0.500	1.00	
74-83-9	Bromomethane	48.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.9	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.3	0.250	0.500	1.00	
75-00-3	Chloroethane	54.5	0.500	1.00	2.00	
67-66-3	Chloroform	51.0	0.250	0.500	1.00	
74-87-3	Chloromethane	53.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	45.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	53.3	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	55.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	45.9	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	30.8	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MS1 File ID: 0713005M.D

Sampled: Prepared: Analyzed: 07/27/12 21:26

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	109	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.4	0.500	1.00	2.00	
91-20-3	Naphthalene	39.1	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	114	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	53.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.0	0.250	0.500	1.00	
100-42-5	Styrene	51.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.0	0.250	0.500	1.00	
108-88-3	Toluene	51.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	40.3	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	40.8	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.1	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	72.8	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	156	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.54	105	75 - 120	
Dibromofluoromethane	30.00	30.25	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.73	102	70 - 120	
Toluene-d8	30.00	30.96	103	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MS2 File ID: 0713807M.D

Sampled: Prepared: Analyzed: 07/27/12 22:24

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2310	50.0	100	200	D
71-43-2	Benzene	2940	5.00	10.0	20.0	D
108-86-1	Bromobenzene	985	5.00	10.0	20.0	D
74-97-5	Bromochloromethane	1020	5.00	10.0	20.0	D
75-27-4	Bromodichloromethane	990	5.00	10.0	20.0	D
75-25-2	Bromoform	931	5.00	10.0	20.0	D
74-83-9	Bromomethane	1110	10.0	20.0	40.0	D
104-51-8	n-Butylbenzene	1080	5.00	10.0	20.0	D
78-93-3	2-Butanone	2410	50.0	100	200	D
135-98-8	sec-Butylbenzene	1090	5.00	10.0	20.0	D
98-06-6	tert-Butylbenzene	1090	5.00	10.0	20.0	D
75-15-0	Carbon disulfide	985	5.00	10.0	20.0	D
56-23-5	Carbon tetrachloride	1080	5.00	10.0	20.0	D
108-90-7	Chlorobenzene	1010	5.00	10.0	20.0	D
75-00-3	Chloroethane	1210	10.0	20.0	40.0	D
67-66-3	Chloroform	1020	5.00	10.0	20.0	D
74-87-3	Chloromethane	1140	5.00	10.0	20.0	D
95-49-8	2-Chlorotoluene	1070	5.00	10.0	20.0	D
106-43-4	4-Chlorotoluene	1050	5.00	10.0	20.0	D
124-48-1	Dibromochloromethane	932	5.00	10.0	20.0	D
96-12-8	1,2-Dibromo-3-chloropropane	937	10.0	20.0	40.0	D
106-93-4	1,2-Dibromoethane (EDB)	1020	5.00	10.0	20.0	D
74-95-3	Dibromomethane	1000	5.00	10.0	20.0	D
95-50-1	1,2-Dichlorobenzene	963	5.00	10.0	20.0	D
541-73-1	1,3-Dichlorobenzene	997	5.00	10.0	20.0	D
106-46-7	1,4-Dichlorobenzene	962	5.00	10.0	20.0	D
75-71-8	Dichlorodifluoromethane	1100	10.0	20.0	40.0	D
75-34-3	1,1-Dichloroethane	1150	5.00	10.0	20.0	D
107-06-2	1,2-Dichloroethane	1020	5.00	10.0	20.0	D
75-35-4	1,1-Dichloroethene	1110	5.00	10.0	20.0	D
156-59-2	cis-1,2-Dichloroethene	1140	5.00	10.0	20.0	D
156-60-5	trans-1,2-Dichloroethene	1170	5.00	10.0	20.0	D
78-87-5	1,2-Dichloropropane	1160	5.00	10.0	20.0	D
142-28-9	1,3-Dichloropropane	997	5.00	10.0	20.0	D
594-20-7	2,2-Dichloropropane	961	5.00	10.0	20.0	D
563-58-6	1,1-Dichloropropene	1150	5.00	10.0	20.0	D
10061-01-5	cis-1,3-Dichloropropene	1140	5.00	10.0	20.0	D
10061-02-6	trans-1,3-Dichloropropene	883	5.00	10.0	20.0	D
100-41-4	Ethylbenzene	1350	5.00	10.0	20.0	D
87-68-3	Hexachlorobutadiene	907	5.00	10.0	40.0	Y, D

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MS2 File ID: 0713807M.D

Sampled: Prepared: Analyzed: 07/27/12 22:24

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	2300	25.0	50.0	100	D
98-82-8	Isopropylbenzene	1080	5.00	10.0	20.0	D
99-87-6	p-Isopropyltoluene	1010	5.00	10.0	20.0	D
75-09-2	Methylene chloride	1050	10.0	20.0	40.0	D
91-20-3	Naphthalene	875	5.00	10.0	40.0	D
108-10-1	4-Methyl-2-pentanone	2550	25.0	50.0	100	X, D
1634-04-4	Methyl t-Butyl Ether	1100	5.00	10.0	20.0	D
103-65-1	n-Propylbenzene	1140	5.00	10.0	20.0	D
100-42-5	Styrene	1080	5.00	10.0	20.0	D
79-34-5	1,1,2,2-Tetrachloroethane	1070	5.00	10.0	20.0	D
630-20-6	1,1,1,2-Tetrachloroethane	1000	5.00	10.0	20.0	D
127-18-4	Tetrachloroethene	966	5.00	10.0	20.0	D
108-88-3	Toluene	1910	5.00	10.0	20.0	D
87-61-6	1,2,3-Trichlorobenzene	892	5.00	10.0	40.0	D
120-82-1	1,2,4-Trichlorobenzene	880	5.00	10.0	40.0	D
79-00-5	1,1,2-Trichloroethane	1000	5.00	10.0	20.0	D
71-55-6	1,1,1-Trichloroethane	1090	5.00	10.0	20.0	D
79-01-6	Trichloroethene	1040	5.00	10.0	20.0	D
75-69-4	Trichlorofluoromethane	1080	10.0	20.0	40.0	D
96-18-4	1,2,3-Trichloropropane	974	10.0	20.0	40.0	D
108-67-8	1,3,5-Trimethylbenzene	1150	5.00	10.0	20.0	D
95-63-6	1,2,4-Trimethylbenzene	1100	5.00	10.0	20.0	D
75-01-4	Vinyl chloride	1510	5.00	10.0	20.0	X, D
1330-20-7	Xylenes (total)	3330	15.0	30.0	60.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.83	103	75 - 120	
Dibromofluoromethane	30.00	30.35	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.00	96.7	70 - 120	
Toluene-d8	30.00	30.63	102	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MSD1 File ID: 0713005S.D

Sampled: Prepared: Analyzed: 07/27/12 21:55

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	82.2	2.50	5.00	10.0	
71-43-2	Benzene	53.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.0	0.250	0.500	1.00	
75-25-2	Bromoform	45.2	0.250	0.500	1.00	
74-83-9	Bromomethane	49.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.7	0.250	0.500	1.00	
78-93-3	2-Butanone	104	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.0	0.250	0.500	1.00	
75-00-3	Chloroethane	53.8	0.500	1.00	2.00	
67-66-3	Chloroform	47.6	0.250	0.500	1.00	
74-87-3	Chloromethane	52.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	45.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	45.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.2	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	50.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	43.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	35.5	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MSD1 File ID: 0713005S.D

Sampled: Prepared: Analyzed: 07/27/12 21:55

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	108	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.4	0.500	1.00	2.00	
91-20-3	Naphthalene	41.2	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	115	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	53.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.6	0.250	0.500	1.00	
100-42-5	Styrene	52.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	54.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.4	0.250	0.500	1.00	
108-88-3	Toluene	51.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	43.6	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	43.0	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.4	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	52.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	67.0	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	151	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.00	103	75 - 120	
Dibromofluoromethane	30.00	29.73	99.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.97	96.6	70 - 120	
Toluene-d8	30.00	31.34	104	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MSD2 File ID: 0713807S.D

Sampled: Prepared: Analyzed: 07/27/12 22:53

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2030	50.0	100	200	D
71-43-2	Benzene	2900	5.00	10.0	20.0	D
108-86-1	Bromobenzene	988	5.00	10.0	20.0	D
74-97-5	Bromochloromethane	1060	5.00	10.0	20.0	D
75-27-4	Bromodichloromethane	954	5.00	10.0	20.0	D
75-25-2	Bromoform	900	5.00	10.0	20.0	D
74-83-9	Bromomethane	1090	10.0	20.0	40.0	D
104-51-8	n-Butylbenzene	1070	5.00	10.0	20.0	D
78-93-3	2-Butanone	2190	50.0	100	200	D
135-98-8	sec-Butylbenzene	1130	5.00	10.0	20.0	D
98-06-6	tert-Butylbenzene	1060	5.00	10.0	20.0	D
75-15-0	Carbon disulfide	961	5.00	10.0	20.0	D
56-23-5	Carbon tetrachloride	1030	5.00	10.0	20.0	D
108-90-7	Chlorobenzene	983	5.00	10.0	20.0	D
75-00-3	Chloroethane	1150	10.0	20.0	40.0	D
67-66-3	Chloroform	986	5.00	10.0	20.0	D
74-87-3	Chloromethane	1110	5.00	10.0	20.0	D
95-49-8	2-Chlorotoluene	1020	5.00	10.0	20.0	D
106-43-4	4-Chlorotoluene	1040	5.00	10.0	20.0	D
124-48-1	Dibromochloromethane	921	5.00	10.0	20.0	D
96-12-8	1,2-Dibromo-3-chloropropane	933	10.0	20.0	40.0	D
106-93-4	1,2-Dibromoethane (EDB)	991	5.00	10.0	20.0	D
74-95-3	Dibromomethane	959	5.00	10.0	20.0	D
95-50-1	1,2-Dichlorobenzene	963	5.00	10.0	20.0	D
541-73-1	1,3-Dichlorobenzene	939	5.00	10.0	20.0	D
106-46-7	1,4-Dichlorobenzene	962	5.00	10.0	20.0	D
75-71-8	Dichlorodifluoromethane	1080	10.0	20.0	40.0	D
75-34-3	1,1-Dichloroethane	1100	5.00	10.0	20.0	D
107-06-2	1,2-Dichloroethane	996	5.00	10.0	20.0	D
75-35-4	1,1-Dichloroethene	1050	5.00	10.0	20.0	D
156-59-2	cis-1,2-Dichloroethene	1110	5.00	10.0	20.0	D
156-60-5	trans-1,2-Dichloroethene	1110	5.00	10.0	20.0	D
78-87-5	1,2-Dichloropropane	1170	5.00	10.0	20.0	D
142-28-9	1,3-Dichloropropane	946	5.00	10.0	20.0	D
594-20-7	2,2-Dichloropropane	910	5.00	10.0	20.0	D
563-58-6	1,1-Dichloropropene	1150	5.00	10.0	20.0	D
10061-01-5	cis-1,3-Dichloropropene	1110	5.00	10.0	20.0	D
10061-02-6	trans-1,3-Dichloropropene	869	5.00	10.0	20.0	D
100-41-4	Ethylbenzene	1260	5.00	10.0	20.0	D
87-68-3	Hexachlorobutadiene	912	5.00	10.0	40.0	Y, D

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27013-MSD2 File ID: 0713807S.D

Sampled: Prepared: Analyzed: 07/27/12 22:53

Solids: Preparation: 5030B Dilution:

Batch: 2G27013 Sequence: 2G21203 Calibration: 2107004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	1970	25.0	50.0	100	D
98-82-8	Isopropylbenzene	1040	5.00	10.0	20.0	D
99-87-6	p-Isopropyltoluene	979	5.00	10.0	20.0	D
75-09-2	Methylene chloride	1040	10.0	20.0	40.0	D
91-20-3	Naphthalene	846	5.00	10.0	40.0	D
108-10-1	4-Methyl-2-pentanone	2150	25.0	50.0	100	X, D
1634-04-4	Methyl t-Butyl Ether	1050	5.00	10.0	20.0	D
103-65-1	n-Propylbenzene	1120	5.00	10.0	20.0	D
100-42-5	Styrene	1030	5.00	10.0	20.0	D
79-34-5	1,1,2,2-Tetrachloroethane	1060	5.00	10.0	20.0	D
630-20-6	1,1,1,2-Tetrachloroethane	973	5.00	10.0	20.0	D
127-18-4	Tetrachloroethene	955	5.00	10.0	20.0	D
108-88-3	Toluene	1870	5.00	10.0	20.0	D
87-61-6	1,2,3-Trichlorobenzene	861	5.00	10.0	40.0	D
120-82-1	1,2,4-Trichlorobenzene	886	5.00	10.0	40.0	D
79-00-5	1,1,2-Trichloroethane	1000	5.00	10.0	20.0	D
71-55-6	1,1,1-Trichloroethane	1030	5.00	10.0	20.0	D
79-01-6	Trichloroethene	1040	5.00	10.0	20.0	D
75-69-4	Trichlorofluoromethane	1040	10.0	20.0	40.0	D
96-18-4	1,2,3-Trichloropropane	963	10.0	20.0	40.0	D
108-67-8	1,3,5-Trimethylbenzene	1110	5.00	10.0	20.0	D
95-63-6	1,2,4-Trimethylbenzene	1070	5.00	10.0	20.0	D
75-01-4	Vinyl chloride	1450	5.00	10.0	20.0	X, D
1330-20-7	Xylenes (total)	3300	15.0	30.0	60.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.84	103	75 - 120	
Dibromofluoromethane	30.00	30.23	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.21	101	70 - 120	
Toluene-d8	30.00	30.78	103	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G31016-BLK1 File ID: 0731BLK1.D

Sampled: Prepared: Analyzed: 07/31/12 10:05

Solids: Preparation: 5030B Dilution:

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	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	X, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	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	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G31016-BLK1 File ID: 0731BLK1.D

Sampled: Prepared: Analyzed: 07/31/12 10:05

Solids: Preparation: 5030B Dilution:

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.92	96.4	75 - 120	
Dibromofluoromethane	30.00	29.66	98.9	85 - 115	
1,2-Dichloroethane-d4	30.00	29.68	98.9	70 - 120	
Toluene-d8	30.00	29.37	97.9	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G31016-BS1 File ID: 0731LCS1.D

Sampled: Prepared: Analyzed: 07/31/12 08:09

Solids: Preparation: 5030B Dilution:

Batch: 2G31016 Sequence: 2H21401 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.9	2.50	5.00	10.0	X
71-43-2	Benzene	49.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	44.5	0.250	0.500	1.00	
75-25-2	Bromoform	47.3	0.250	0.500	1.00	
74-83-9	Bromomethane	46.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.4	0.250	0.500	1.00	
78-93-3	2-Butanone	99.5	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	49.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	46.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.5	0.250	0.500	1.00	
75-00-3	Chloroethane	51.6	0.500	1.00	2.00	
67-66-3	Chloroform	45.9	0.250	0.500	1.00	
74-87-3	Chloromethane	46.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	46.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.2	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	47.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	40.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	47.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	47.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	47.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	31.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	47.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	47.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	41.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.3	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G31016-BS1
File ID: 0731LCS1.D
Sampled:
Prepared:
Analyzed: 07/31/12 08:09
Solids:
Preparation: 5030B
Dilution:
Batch: 2G31016
Sequence: 2H21401
Calibration: 2213002
Instrument: MS-VOA3

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	45.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	44.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.1	0.500	1.00	2.00	
91-20-3	Naphthalene	47.2	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	104	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.0	0.250	0.500	1.00	
100-42-5	Styrene	49.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	47.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.5	0.250	0.500	1.00	
108-88-3	Toluene	47.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.3	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	49.5	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	45.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	56.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	144	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.63	102	75 - 120	
Dibromofluoromethane	30.00	29.40	98.0	85 - 115	
1,2-Dichloroethane-d4	30.00	29.02	96.7	70 - 120	
Toluene-d8	30.00	28.90	96.3	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H01003-BLK1 File ID: 0801BL1.D

Sampled: Prepared: Analyzed: 08/01/12 10:16

Solids: Preparation: 5030B Dilution:

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	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	2.00	Y, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H01003-BLK1 File ID: 0801BL1.D

Sampled: Prepared: Analyzed: 08/01/12 10:16

Solids: Preparation: 5030B Dilution:

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	Y, U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	Y, 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	30.60	102	75 - 120	
Dibromofluoromethane	30.00	31.24	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.81	103	70 - 120	
Toluene-d8	30.00	31.13	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H01003-BS1 File ID: 0801LCS1.D

Sampled: Prepared: Analyzed: 08/01/12 08:56

Solids: Preparation: 5030B Dilution:

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	80.3	2.50	5.00	10.0	Y
71-43-2	Benzene	45.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	45.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	45.9	0.250	0.500	1.00	
75-25-2	Bromoform	47.5	0.250	0.500	1.00	
74-83-9	Bromomethane	43.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	41.6	0.250	0.500	1.00	
78-93-3	2-Butanone	99.7	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	43.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	45.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	51.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.0	0.250	0.500	1.00	
75-00-3	Chloroethane	43.9	0.500	1.00	2.00	
67-66-3	Chloroform	44.8	0.250	0.500	1.00	
74-87-3	Chloromethane	34.7	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	43.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	42.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	45.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	44.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	44.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	41.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	46.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	44.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	40.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	46.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	46.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	47.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	45.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	51.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	46.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	44.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	45.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	41.4	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2H01003-BS1
File ID: 0801LCS1.D
Sampled:
Prepared:
Analyzed: 08/01/12 08:56
Solids:
Preparation: 5030B
Dilution:
Batch: 2H01003
Sequence: 2H21505
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	109	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	42.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	42.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	39.4	0.500	1.00	2.00	Y
91-20-3	Naphthalene	42.4	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	113	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	43.3	0.250	0.500	1.00	
100-42-5	Styrene	46.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	43.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.7	0.250	0.500	1.00	
108-88-3	Toluene	45.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	40.5	0.250	0.500	2.00	Y
120-82-1	1,2,4-Trichlorobenzene	40.1	0.250	0.500	2.00	Y
79-00-5	1,1,2-Trichloroethane	45.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	42.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	45.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	46.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	45.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	48.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	134	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	31.83	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.26	104	70 - 120	
Toluene-d8	30.00	31.07	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H01003-BSD1 File ID: 0801LCD1.D

Sampled: Prepared: Analyzed: 08/01/12 17:48

Solids: Preparation: 5030B Dilution:

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	70.6	2.50	5.00	10.0	Y
71-43-2	Benzene	46.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.4	0.250	0.500	1.00	
75-25-2	Bromoform	45.7	0.250	0.500	1.00	
74-83-9	Bromomethane	41.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	40.8	0.250	0.500	1.00	
78-93-3	2-Butanone	91.5	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	43.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	45.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	38.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.3	0.250	0.500	1.00	
75-00-3	Chloroethane	41.9	0.500	1.00	2.00	
67-66-3	Chloroform	45.9	0.250	0.500	1.00	
74-87-3	Chloromethane	32.3	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	44.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	44.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	46.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	45.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	36.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	46.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	39.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	46.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	45.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	46.4	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	44.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	45.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	33.5	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H01003-BSD1 File ID: 0801LCD1.D

Sampled: Prepared: Analyzed: 08/01/12 17:48

Solids: Preparation: 5030B Dilution:

Batch: 2H01003 Sequence: 2H21505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	98.5	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	43.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	42.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	39.6	0.500	1.00	2.00	Y
91-20-3	Naphthalene	38.5	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	103	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	44.4	0.250	0.500	1.00	
100-42-5	Styrene	47.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	43.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.0	0.250	0.500	1.00	
108-88-3	Toluene	46.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	35.3	0.250	0.500	2.00	Y
120-82-1	1,2,4-Trichlorobenzene	37.4	0.250	0.500	2.00	Y
79-00-5	1,1,2-Trichloroethane	46.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	41.0	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	47.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	46.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	45.7	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	137	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.00	103	75 - 120	
Dibromofluoromethane	30.00	31.45	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.72	102	70 - 120	
Toluene-d8	30.00	30.92	103	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H02012-BLK1 File ID: 0802BLK1.D

Sampled: Prepared: Analyzed: 08/02/12 09:35

Solids: Preparation: 5030B Dilution:

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2H02012-BLK1 File ID: 0802BLK1.D

Sampled: Prepared: Analyzed: 08/02/12 09:35

Solids: Preparation: 5030B Dilution:

Batch: 2H02012 Sequence: 2H21604 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.67	98.9	75 - 120	
Dibromofluoromethane	30.00	30.61	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.55	98.5	70 - 120	
Toluene-d8	30.00	30.37	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_058

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

Matrix: | Laboratory ID: 2H02012-BS1 | File ID: 0802LCS1.D

Sampled: | Prepared: | Analyzed: 08/02/12 08:09

Solids: | Preparation: 5030B | Dilution:

Batch: 2H02012 | Sequence: 2H21604 | Calibration: 2213002 | Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.0	2.50	5.00	10.0	
71-43-2	Benzene	49.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	45.2	0.250	0.500	1.00	
75-25-2	Bromoform	48.3	0.250	0.500	1.00	
74-83-9	Bromomethane	46.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.4	0.250	0.500	1.00	
78-93-3	2-Butanone	109	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	48.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.4	0.250	0.500	1.00	
75-00-3	Chloroethane	49.9	0.500	1.00	2.00	
67-66-3	Chloroform	45.3	0.250	0.500	1.00	
74-87-3	Chloromethane	41.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	45.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	42.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	46.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	47.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.1	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	51.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.4	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2H02012-BS1
File ID: 0802LCS1.D
Sampled:
Prepared:
Analyzed: 08/02/12 08:09
Solids:
Preparation: 5030B
Dilution:
Batch: 2H02012
Sequence: 2H21604
Calibration: 2213002
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	119	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.3	0.500	1.00	2.00	
91-20-3	Naphthalene	47.5	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	115	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.2	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	47.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.9	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	51.5	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	52.4	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	49.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.1	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	50.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	28.95	96.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.78	95.9	70 - 120	
Toluene-d8	30.00	29.27	97.6	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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
GW0664	07/24/12 12:38	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 14:13	3.02	14.00	
GW0666	07/24/12 10:22	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 14:42	3.14	14.00	
GW0671	07/23/12 14:38	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 15:11	3.98	14.00	
GW0673	07/23/12 10:14	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 15:40	4.18	14.00	
GW0717	07/23/12 15:52	07/25/12 08:20	07/31/12 00:00	N/A	14.00	07/31/12 16:18	7.98	14.00	
GW0718	07/23/12 13:42	07/25/12 08:20	07/31/12 00:00	N/A	14.00	07/31/12 16:47	8.09	14.00	
GW0719	07/23/12 11:32	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 16:09	4.15	14.00	
GW0742	07/24/12 10:32	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 16:38	3.21	14.00	
GW8216-TB	07/23/12 08:00	07/25/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 13:16	4.18	14.00	
GW0665	07/24/12 14:35	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 17:07	3.06	14.00	
GW0684	07/25/12 10:18	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 17:36	2.26	14.00	
GW0692	07/25/12 10:01	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 18:04	2.29	14.00	
GW0693	07/25/12 12:07	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 20:58	2.33	14.00	
GW0703	07/25/12 13:15	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 18:33	2.18	14.00	
GW0740	07/24/12 14:19	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 19:02	3.15	14.00	
GW0741	07/24/12 16:34	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 19:31	3.08	14.00	
GW8217-TB	07/25/12 08:00	07/26/12 08:20	07/27/12 00:00	N/A	14.00	07/27/12 13:45	2.20	14.00	
GW0674	07/26/12 14:41	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 10:04	6.77	14.00	
GW0675	07/26/12 12:18	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 10:32	6.88	14.00	
GW0676	07/26/12 10:14	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 11:01	6.99	14.00	
GW0681	07/26/12 14:42	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 11:29	6.82	14.00	
GW0682	07/26/12 12:39	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 11:58	6.93	14.00	
GW0683	07/25/12 10:29	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 12:27	8.04	14.00	
GW0690	07/25/12 15:27	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 12:56	7.85	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

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
GW0691	07/25/12 15:27	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 13:24	7.87	14.00	
GW0700	07/25/12 15:39	07/27/12 08:30	08/02/12 00:00	N/A	14.00	08/02/12 13:53	7.88	14.00	
GW8218-TB	07/26/12 08:00	07/27/12 08:30	08/01/12 00:00	N/A	14.00	08/01/12 13:21	6.18	14.00	

Data for SW8270D Forms

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	0713001.D
Sampled:	07/24/12 12:38	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 13:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	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	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	X, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	0713001.D
Sampled:	07/24/12 12:38	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 13:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.69	74.9	50 - 110	
2-Fluorophenol	98.04	34.03	34.7	20 - 110	
Nitrobenzene-d5	49.02	35.17	71.8	40 - 110	
Phenol-d6	98.04	18.89	19.3	0 - 110	
Terphenyl-d14	49.02	49.94	102	50 - 135	
2,4,6-Tribromophenol	98.04	83.77	85.4	40 - 125	

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	0713003.D
Sampled:	07/24/12 10:22	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 13:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	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	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	X, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	0713003.D
Sampled:	07/24/12 10:22	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 13:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	34.40	70.2	50 - 110	
2-Fluorophenol	98.04	30.91	31.5	20 - 110	
Nitrobenzene-d5	49.02	31.69	64.6	40 - 110	
Phenol-d6	98.04	16.61	16.9	0 - 110	
Terphenyl-d14	49.02	47.42	96.7	50 - 135	
2,4,6-Tribromophenol	98.04	83.29	85.0	40 - 125	

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	0713005.D
Sampled:	07/23/12 14:38	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 14:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	X, U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	U
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	X, U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	U
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	0713005.D
Sampled:	07/23/12 14:38	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 14:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	U
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	27.41	59.2	50 - 110	
2-Fluorophenol	92.59	27.09	29.3	20 - 110	
Nitrobenzene-d5	46.30	25.86	55.9	40 - 110	
Phenol-d6	92.59	14.68	15.9	0 - 110	
Terphenyl-d14	46.30	36.46	78.8	50 - 135	
2,4,6-Tribromophenol	92.59	63.34	68.4	40 - 125	

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	0713007.D
Sampled:	07/23/12 10:14	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 15:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	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	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	X, U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	0713007.D
Sampled:	07/23/12 10:14	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 15:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	32.04	66.6	50 - 110	
2-Fluorophenol	96.15	30.03	31.2	20 - 110	
Nitrobenzene-d5	48.08	30.37	63.2	40 - 110	
Phenol-d6	96.15	16.81	17.5	0 - 110	
Terphenyl-d14	48.08	43.34	90.1	50 - 135	
2,4,6-Tribromophenol	96.15	74.57	77.6	40 - 125	

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09	File ID:	0713009.D
Sampled:	07/23/12 15:52	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 16:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	47.2	94.3	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	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	X, U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09	File ID:	0713009.D
Sampled:	07/23/12 15:52	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 16:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	32.06	68.0	50 - 110	
2-Fluorophenol	94.34	30.76	32.6	20 - 110	
Nitrobenzene-d5	47.17	32.10	68.1	40 - 110	
Phenol-d6	94.34	16.61	17.6	0 - 110	
Terphenyl-d14	47.17	38.66	82.0	50 - 135	
2,4,6-Tribromophenol	94.34	73.70	78.1	40 - 125	

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11	File ID:	0713011.D
Sampled:	07/23/12 13:42	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 16:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	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	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	X, U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11	File ID:	0713011.D
Sampled:	07/23/12 13:42	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 16:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	34.43	71.6	50 - 110	
2-Fluorophenol	96.15	28.23	29.4	20 - 110	
Nitrobenzene-d5	48.08	29.84	62.1	40 - 110	
Phenol-d6	96.15	16.29	16.9	0 - 110	
Terphenyl-d14	48.08	41.36	86.0	50 - 135	
2,4,6-Tribromophenol	96.15	69.98	72.8	40 - 125	

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	0713013.D
Sampled:	07/23/12 11:32	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 17:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	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	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	X, U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	0713013.D
Sampled:	07/23/12 11:32	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 17:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	32.23	67.0	50 - 110	
2-Fluorophenol	96.15	28.92	30.1	20 - 110	
Nitrobenzene-d5	48.08	28.85	60.0	40 - 110	
Phenol-d6	96.15	16.01	16.7	0 - 110	
Terphenyl-d14	48.08	40.69	84.6	50 - 135	
2,4,6-Tribromophenol	96.15	63.82	66.4	40 - 125	

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	0713015.D
Sampled:	07/24/12 10:32	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 17:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	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	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	X, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	0713015.D
Sampled:	07/24/12 10:32	Prepared:	07/26/12 15:05	Analyzed:	08/01/12 17:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.74	74.9	50 - 110	
2-Fluorophenol	98.04	26.98	27.5	20 - 110	
Nitrobenzene-d5	49.02	33.06	67.5	40 - 110	
Phenol-d6	98.04	15.17	15.5	0 - 110	
Terphenyl-d14	49.02	49.02	100	50 - 135	
2,4,6-Tribromophenol	98.04	83.16	84.8	40 - 125	

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	0713801.D
Sampled:	07/24/12 14:35	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 17:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	X, U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	X, U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	0713801.D
Sampled:	07/24/12 14:35	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 17:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	32.01	66.6	50 - 110	
2-Fluorophenol	96.15	23.45	24.4	20 - 110	
Nitrobenzene-d5	48.08	27.85	57.9	40 - 110	
Phenol-d6	96.15	13.31	13.8	0 - 110	
Terphenyl-d14	48.08	34.10	70.9	50 - 135	
2,4,6-Tribromophenol	96.15	63.59	66.1	40 - 125	

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03	File ID:	0713803.D
Sampled:	07/25/12 10:18	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 18:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	47.2	94.3	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	X, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	X, U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03	File ID:	0713803.D
Sampled:	07/25/12 10:18	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 18:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	34.68	73.5	50 - 110	
2-Fluorophenol	94.34	16.02	17.0	20 - 110	*
Nitrobenzene-d5	47.17	29.23	62.0	40 - 110	
Phenol-d6	94.34	11.25	11.9	0 - 110	
Terphenyl-d14	47.17	32.33	68.5	50 - 135	
2,4,6-Tribromophenol	94.34	42.86	45.4	40 - 125	

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	0713805.D
Sampled:	07/25/12 10:01	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 18:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	46.7	93.5	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	46.7	93.5	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	X, U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	X, U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		7.79	23.4	46.7	U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	0713805.D
Sampled:	07/25/12 10:01	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 18:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	36.33	77.7	50 - 110	
2-Fluorophenol	93.46	16.69	17.9	20 - 110	*
Nitrobenzene-d5	46.73	32.02	68.5	40 - 110	
Phenol-d6	93.46	11.67	12.5	0 - 110	
Terphenyl-d14	46.73	35.47	75.9	50 - 135	
2,4,6-Tribromophenol	93.46	44.83	48.0	40 - 125	

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07	File ID:	0713807.D
Sampled:	07/25/12 12:07	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 19:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone	518	1.20	2.40	4.81	N, E
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde	5.08	1.20	2.40	4.81	
92-87-5	Benzidine		12.0	48.1	96.2	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	X, U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	N, 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	N, 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	X, U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	N, U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	N, 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	N, 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		8.01	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07	File ID:	0713807.D
Sampled:	07/25/12 12:07	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 19:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	N, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	4.81	9.62	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene	19.8	1.20	2.40	4.81	
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	34.73	72.2	50 - 110	
2-Fluorophenol	96.15	19.88	20.7	20 - 110	
Nitrobenzene-d5	48.08	35.48	73.8	40 - 110	
Phenol-d6	96.15	18.15	18.9	0 - 110	
Terphenyl-d14	48.08	31.44	65.4	50 - 135	
2,4,6-Tribromophenol	96.15	84.37	87.7	40 - 125	

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07RE1	File ID:	0713807D.D
Sampled:	07/25/12 12:07	Prepared:	07/30/12 14:03	Analyzed:	08/10/12 01:30
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2G27016 Sequence: 2H22605 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.0	24.0	48.1	U
208-96-8	Acenaphthylene		12.0	24.0	48.1	U
98-86-2	Acetophenone	949	12.0	24.0	48.1	D
120-12-7	Anthracene		12.0	24.0	48.1	U
1912-24-9	Atrazine		12.0	24.0	48.1	U
100-52-7	Benzaldehyde		12.0	24.0	48.1	U
92-87-5	Benzidine		120	481	962	U
56-55-3	Benzo(a)anthracene		12.0	24.0	48.1	U
50-32-8	Benzo(a)pyrene		12.0	24.0	48.1	U
205-99-2	Benzo(b)fluoranthene		12.0	24.0	48.1	U
191-24-2	Benzo(g,h,i)perylene		12.0	24.0	48.1	U
65-85-0	Benzoic acid		120	481	962	X, U
207-08-9	Benzo(k)fluoranthene		12.0	24.0	48.1	U
92-52-4	1,1-Biphenyl		12.0	24.0	48.1	U
101-55-3	4-Bromophenyl-phenylether		12.0	24.0	48.1	U
85-68-7	Butylbenzylphthalate		12.0	24.0	48.1	U
105-60-2	Caprolactam		12.0	24.0	48.1	U
86-74-8	Carbazole		12.0	24.0	48.1	U
59-50-7	4-Chloro-3-methylphenol		12.0	24.0	48.1	U
106-47-8	4-Chloroaniline		12.0	24.0	48.1	U
111-91-1	Bis(2-chloroethoxy)methane		12.0	24.0	48.1	U
111-44-4	Bis(2-chloroethyl)ether		12.0	24.0	48.1	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.0	24.0	48.1	X, U
91-58-7	2-Chloronaphthalene		12.0	24.0	48.1	U
95-57-8	2-Chlorophenol		12.0	24.0	48.1	U
7005-72-3	4-Chlorophenyl phenyl ether		12.0	24.0	48.1	U
218-01-9	Chrysene		12.0	24.0	48.1	U
53-70-3	Dibenz(a,h)anthracene		12.0	24.0	48.1	U
132-64-9	Dibenzofuran		12.0	24.0	48.1	U
84-74-2	Di-n-butylphthalate		12.0	24.0	48.1	U
91-94-1	3,3'-Dichlorobenzidine		12.0	24.0	48.1	U
120-83-2	2,4-Dichlorophenol		12.0	24.0	48.1	U
84-66-2	Diethylphthalate		12.0	24.0	48.1	U
105-67-9	2,4-Dimethylphenol		48.1	96.2	192	U
131-11-3	Dimethyl phthalate		12.0	24.0	48.1	U
534-52-1	4,6-Dinitro-2-methylphenol		48.1	96.2	192	U
51-28-5	2,4-Dinitrophenol		80.1	240	481	U
121-14-2	2,4-Dinitrotoluene		12.0	24.0	48.1	U
606-20-2	2,6-Dinitrotoluene		12.0	24.0	48.1	U
117-84-0	Di-n-octylphthalate		12.0	24.0	48.1	U

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07RE1	File ID:	0713807D.D
Sampled:	07/25/12 12:07	Prepared:	07/30/12 14:03	Analyzed:	08/10/12 01:30
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2G27016 Sequence: 2H22605 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.0	24.0	48.1	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.0	24.0	48.1	U
206-44-0	Fluoranthene		12.0	24.0	48.1	U
86-73-7	Fluorene		12.0	24.0	48.1	U
118-74-1	Hexachlorobenzene		12.0	24.0	48.1	U
87-68-3	Hexachlorobutadiene		12.0	24.0	48.1	U
77-47-4	Hexachlorocyclopentadiene		12.0	48.1	96.2	U
67-72-1	Hexachloroethane		12.0	24.0	48.1	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.0	24.0	48.1	U
78-59-1	Isophorone		12.0	24.0	48.1	U
90-12-0	1-Methylnaphthalene		12.0	24.0	48.1	U
91-57-6	2-Methylnaphthalene		12.0	24.0	48.1	U
95-48-7	2-Methylphenol		12.0	24.0	48.1	U
108-39-4/106	3-Methylphenol/4-Methylphenol		12.0	24.0	48.1	U
91-20-3	Naphthalene		12.0	24.0	48.1	U
100-01-6	4-Nitroaniline		48.1	96.2	192	U
99-09-2	3-Nitroaniline		48.1	96.2	192	U
88-74-4	2-Nitroaniline		48.1	96.2	192	U
98-95-3	Nitrobenzene		12.0	24.0	48.1	U
100-02-7	4-Nitrophenol		48.1	96.2	192	U
88-75-5	2-Nitrophenol		12.0	24.0	48.1	U
86-30-6	N-Nitrosodiphenylamine		12.0	24.0	48.1	U
621-64-7	N-Nitroso-di-n-propylamine		12.0	24.0	48.1	U
87-86-5	Pentachlorophenol		48.1	96.2	192	U
85-01-8	Phenanthrene		12.0	24.0	48.1	U
108-95-2	Phenol		12.0	24.0	48.1	U
129-00-0	Pyrene		12.0	24.0	48.1	U
88-06-2	2,4,6-Trichlorophenol		12.0	24.0	48.1	U
95-95-4	2,4,5-Trichlorophenol		12.0	24.0	48.1	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	31.85	66.2	50 - 110	
2-Fluorophenol	96.15	22.00	22.9	20 - 110	
Nitrobenzene-d5	48.08	32.18	66.9	40 - 110	
Phenol-d6	96.15	16.12	16.8	0 - 110	
Terphenyl-d14	48.08	29.08	60.5	50 - 135	
2,4,6-Tribromophenol	96.15	63.14	65.7	40 - 125	

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09	File ID:	0713809.D
Sampled:	07/25/12 13:15	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 20:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	X, U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam	1.73	1.16	2.31	4.63	J
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	X, U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	U
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09	File ID:	0713809.D
Sampled:	07/25/12 13:15	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 20:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	U
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	34.71	75.0	50 - 110	
2-Fluorophenol	92.59	29.00	31.3	20 - 110	
Nitrobenzene-d5	46.30	28.79	62.2	40 - 110	
Phenol-d6	92.59	19.92	21.5	0 - 110	
Terphenyl-d14	46.30	42.85	92.6	50 - 135	
2,4,6-Tribromophenol	92.59	73.81	79.7	40 - 125	

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	0713811.D
Sampled:	07/24/12 14:19	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 20:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	47.2	94.3	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	X, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	X, U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	0713811.D
Sampled:	07/24/12 14:19	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 20:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	36.21	76.8	50 - 110	
2-Fluorophenol	94.34	19.24	20.4	20 - 110	
Nitrobenzene-d5	47.17	32.87	69.7	40 - 110	
Phenol-d6	94.34	11.92	12.6	0 - 110	
Terphenyl-d14	47.17	39.21	83.1	50 - 135	
2,4,6-Tribromophenol	94.34	63.99	67.8	40 - 125	

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	0713813.D
Sampled:	07/24/12 16:34	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 21:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	46.7	93.5	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	46.7	93.5	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	X, U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	X, U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		7.79	23.4	46.7	U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	0713813.D
Sampled:	07/24/12 16:34	Prepared:	07/30/12 14:03	Analyzed:	08/07/12 21:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	35.73	76.5	50 - 110	
2-Fluorophenol	93.46	20.52	22.0	20 - 110	
Nitrobenzene-d5	46.73	31.20	66.8	40 - 110	
Phenol-d6	93.46	11.76	12.6	0 - 110	
Terphenyl-d14	46.73	35.10	75.1	50 - 135	
2,4,6-Tribromophenol	93.46	67.33	72.0	40 - 125	

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	0715201.D
Sampled:	07/26/12 14:41	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 16:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 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	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	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	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, 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		8.17	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	0715201.D
Sampled:	07/26/12 14:41	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 16:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	Q, U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	Q, U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	26.99	55.1	50 - 110	
2-Fluorophenol	98.04	24.38	24.9	20 - 110	
Nitrobenzene-d5	49.02	25.30	51.6	40 - 110	
Phenol-d6	98.04	13.31	13.6	0 - 110	
Terphenyl-d14	49.02	36.40	74.3	50 - 135	
2,4,6-Tribromophenol	98.04	61.42	62.6	40 - 125	

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	0715203.D
Sampled:	07/26/12 12:18	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 17:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.32	2.63	5.26	U
208-96-8	Acenaphthylene		1.32	2.63	5.26	U
98-86-2	Acetophenone		1.32	2.63	5.26	U
120-12-7	Anthracene		1.32	2.63	5.26	U
1912-24-9	Atrazine		1.32	2.63	5.26	Q, U
100-52-7	Benzaldehyde		1.32	2.63	5.26	U
92-87-5	Benzidine		13.2	52.6	105	Q, U
56-55-3	Benzo(a)anthracene		1.32	2.63	5.26	U
50-32-8	Benzo(a)pyrene		1.32	2.63	5.26	U
205-99-2	Benzo(b)fluoranthene		1.32	2.63	5.26	U
191-24-2	Benzo(g,h,i)perylene		1.32	2.63	5.26	U
65-85-0	Benzoic acid		13.2	52.6	105	U
207-08-9	Benzo(k)fluoranthene		1.32	2.63	5.26	U
92-52-4	1,1-Biphenyl		1.32	2.63	5.26	U
101-55-3	4-Bromophenyl-phenylether		1.32	2.63	5.26	U
85-68-7	Butylbenzylphthalate		1.32	2.63	5.26	U
105-60-2	Caprolactam		1.32	2.63	5.26	U
86-74-8	Carbazole		1.32	2.63	5.26	U
59-50-7	4-Chloro-3-methylphenol		1.32	2.63	5.26	U
106-47-8	4-Chloroaniline		1.32	2.63	5.26	U
111-91-1	Bis(2-chloroethoxy)methane		1.32	2.63	5.26	U
111-44-4	Bis(2-chloroethyl)ether		1.32	2.63	5.26	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.32	2.63	5.26	U
91-58-7	2-Chloronaphthalene		1.32	2.63	5.26	Q, U
95-57-8	2-Chlorophenol		1.32	2.63	5.26	U
7005-72-3	4-Chlorophenyl phenyl ether		1.32	2.63	5.26	U
218-01-9	Chrysene		1.32	2.63	5.26	U
53-70-3	Dibenz(a,h)anthracene		1.32	2.63	5.26	U
132-64-9	Dibenzofuran		1.32	2.63	5.26	Q, U
84-74-2	Di-n-butylphthalate		1.32	2.63	5.26	U
91-94-1	3,3'-Dichlorobenzidine		1.32	2.63	5.26	U
120-83-2	2,4-Dichlorophenol		1.32	2.63	5.26	U
84-66-2	Diethylphthalate		1.32	2.63	5.26	U
105-67-9	2,4-Dimethylphenol		5.26	10.5	21.1	U
131-11-3	Dimethyl phthalate		1.32	2.63	5.26	U
534-52-1	4,6-Dinitro-2-methylphenol		5.26	10.5	21.1	U
51-28-5	2,4-Dinitrophenol		8.77	26.3	52.6	U
121-14-2	2,4-Dinitrotoluene		1.32	2.63	5.26	U
606-20-2	2,6-Dinitrotoluene		1.32	2.63	5.26	U
117-84-0	Di-n-octylphthalate		1.32	2.63	5.26	U

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	0715203.D
Sampled:	07/26/12 12:18	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 17:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.32	2.63	5.26	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.32	2.63	5.26	U
206-44-0	Fluoranthene		1.32	2.63	5.26	U
86-73-7	Fluorene		1.32	2.63	5.26	U
118-74-1	Hexachlorobenzene		1.32	2.63	5.26	U
87-68-3	Hexachlorobutadiene		1.32	2.63	5.26	U
77-47-4	Hexachlorocyclopentadiene		1.32	5.26	10.5	U
67-72-1	Hexachloroethane		1.32	2.63	5.26	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.32	2.63	5.26	U
78-59-1	Isophorone		1.32	2.63	5.26	Q, U
90-12-0	1-Methylnaphthalene		1.32	2.63	5.26	U
91-57-6	2-Methylnaphthalene		1.32	2.63	5.26	Q, U
95-48-7	2-Methylphenol		1.32	2.63	5.26	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.32	2.63	5.26	U
91-20-3	Naphthalene		1.32	2.63	5.26	U
100-01-6	4-Nitroaniline		5.26	10.5	21.1	U
99-09-2	3-Nitroaniline		5.26	10.5	21.1	U
88-74-4	2-Nitroaniline		5.26	10.5	21.1	U
98-95-3	Nitrobenzene		1.32	2.63	5.26	U
100-02-7	4-Nitrophenol		5.26	10.5	21.1	U
88-75-5	2-Nitrophenol		1.32	2.63	5.26	U
86-30-6	N-Nitrosodiphenylamine		1.32	2.63	5.26	U
621-64-7	N-Nitroso-di-n-propylamine		1.32	2.63	5.26	U
87-86-5	Pentachlorophenol		5.26	10.5	21.1	U
85-01-8	Phenanthrene		1.32	2.63	5.26	U
108-95-2	Phenol		1.32	2.63	5.26	U
129-00-0	Pyrene		1.32	2.63	5.26	U
88-06-2	2,4,6-Trichlorophenol		1.32	2.63	5.26	U
95-95-4	2,4,5-Trichlorophenol		1.32	2.63	5.26	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	52.63	32.67	62.1	50 - 110	
2-Fluorophenol	105.3	29.97	28.5	20 - 110	
Nitrobenzene-d5	52.63	29.22	55.5	40 - 110	
Phenol-d6	105.3	16.84	16.0	0 - 110	
Terphenyl-d14	52.63	42.22	80.2	50 - 135	
2,4,6-Tribromophenol	105.3	69.72	66.2	40 - 125	

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	0715205.D
Sampled:	07/26/12 10:14	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 17:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	Q, U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	Q, U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	U
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	Q, U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	Q, U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	U
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	0715205.D
Sampled:	07/26/12 10:14	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 17:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	Q, U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	Q, U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	U
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	35.11	75.8	50 - 110	
2-Fluorophenol	92.59	28.50	30.8	20 - 110	
Nitrobenzene-d5	46.30	28.91	62.4	40 - 110	
Phenol-d6	92.59	14.86	16.0	0 - 110	
Terphenyl-d14	46.30	38.71	83.6	50 - 135	
2,4,6-Tribromophenol	92.59	65.48	70.7	40 - 125	

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	0715207.D
Sampled:	07/26/12 14:42	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 18:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	Q, U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	Q, U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	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	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	Q, U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	0715207.D
Sampled:	07/26/12 14:42	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 18:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	32.35	67.3	50 - 110	
2-Fluorophenol	96.15	27.00	28.1	20 - 110	
Nitrobenzene-d5	48.08	27.96	58.1	40 - 110	
Phenol-d6	96.15	14.66	15.2	0 - 110	
Terphenyl-d14	48.08	38.82	80.7	50 - 135	
2,4,6-Tribromophenol	96.15	65.15	67.8	40 - 125	

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	0715209.D
Sampled:	07/26/12 12:39	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 18:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 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	Q, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	Q, 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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	0715209.D
Sampled:	07/26/12 12:39	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 18:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	31.75	63.5	50 - 110	
2-Fluorophenol	100.0	28.68	28.7	20 - 110	
Nitrobenzene-d5	50.00	26.17	52.3	40 - 110	
Phenol-d6	100.0	16.02	16.0	0 - 110	
Terphenyl-d14	50.00	40.12	80.2	50 - 135	
2,4,6-Tribromophenol	100.0	68.50	68.5	40 - 125	

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	0715211.D
Sampled:	07/25/12 10:29	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 19:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 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	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	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	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, 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		8.17	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	0715211.D
Sampled:	07/25/12 10:29	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 19:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	Q, U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	Q, U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	31.56	64.4	50 - 110	
2-Fluorophenol	98.04	27.98	28.5	20 - 110	
Nitrobenzene-d5	49.02	26.90	54.9	40 - 110	
Phenol-d6	98.04	15.80	16.1	0 - 110	
Terphenyl-d14	49.02	37.68	76.9	50 - 135	
2,4,6-Tribromophenol	98.04	59.04	60.2	40 - 125	

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	0715213.D
Sampled:	07/25/12 15:27	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 19:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.24	2.48	4.95	U
208-96-8	Acenaphthylene		1.24	2.48	4.95	U
98-86-2	Acetophenone		1.24	2.48	4.95	U
120-12-7	Anthracene		1.24	2.48	4.95	U
1912-24-9	Atrazine		1.24	2.48	4.95	Q, U
100-52-7	Benzaldehyde		1.24	2.48	4.95	U
92-87-5	Benzidine		12.4	49.5	99.0	Q, U
56-55-3	Benzo(a)anthracene		1.24	2.48	4.95	U
50-32-8	Benzo(a)pyrene		1.24	2.48	4.95	U
205-99-2	Benzo(b)fluoranthene		1.24	2.48	4.95	U
191-24-2	Benzo(g,h,i)perylene		1.24	2.48	4.95	U
65-85-0	Benzoic acid		12.4	49.5	99.0	U
207-08-9	Benzo(k)fluoranthene		1.24	2.48	4.95	U
92-52-4	1,1-Biphenyl		1.24	2.48	4.95	U
101-55-3	4-Bromophenyl-phenylether		1.24	2.48	4.95	U
85-68-7	Butylbenzylphthalate		1.24	2.48	4.95	U
105-60-2	Caprolactam		1.24	2.48	4.95	U
86-74-8	Carbazole		1.24	2.48	4.95	U
59-50-7	4-Chloro-3-methylphenol		1.24	2.48	4.95	U
106-47-8	4-Chloroaniline		1.24	2.48	4.95	U
111-91-1	Bis(2-chloroethoxy)methane		1.24	2.48	4.95	U
111-44-4	Bis(2-chloroethyl)ether		1.24	2.48	4.95	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.24	2.48	4.95	U
91-58-7	2-Chloronaphthalene		1.24	2.48	4.95	Q, U
95-57-8	2-Chlorophenol		1.24	2.48	4.95	U
7005-72-3	4-Chlorophenyl phenyl ether		1.24	2.48	4.95	U
218-01-9	Chrysene		1.24	2.48	4.95	U
53-70-3	Dibenz(a,h)anthracene		1.24	2.48	4.95	U
132-64-9	Dibenzofuran		1.24	2.48	4.95	Q, U
84-74-2	Di-n-butylphthalate		1.24	2.48	4.95	U
91-94-1	3,3'-Dichlorobenzidine		1.24	2.48	4.95	U
120-83-2	2,4-Dichlorophenol		1.24	2.48	4.95	U
84-66-2	Diethylphthalate		1.24	2.48	4.95	U
105-67-9	2,4-Dimethylphenol		4.95	9.90	19.8	U
131-11-3	Dimethyl phthalate		1.24	2.48	4.95	U
534-52-1	4,6-Dinitro-2-methylphenol		4.95	9.90	19.8	U
51-28-5	2,4-Dinitrophenol		8.25	24.8	49.5	U
121-14-2	2,4-Dinitrotoluene		1.24	2.48	4.95	U
606-20-2	2,6-Dinitrotoluene		1.24	2.48	4.95	U
117-84-0	Di-n-octylphthalate		1.24	2.48	4.95	U

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	0715213.D
Sampled:	07/25/12 15:27	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 19:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.24	2.48	4.95	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.24	2.48	4.95	U
206-44-0	Fluoranthene		1.24	2.48	4.95	U
86-73-7	Fluorene		1.24	2.48	4.95	U
118-74-1	Hexachlorobenzene		1.24	2.48	4.95	U
87-68-3	Hexachlorobutadiene		1.24	2.48	4.95	U
77-47-4	Hexachlorocyclopentadiene		1.24	4.95	9.90	U
67-72-1	Hexachloroethane		1.24	2.48	4.95	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.24	2.48	4.95	U
78-59-1	Isophorone		1.24	2.48	4.95	Q, U
90-12-0	1-Methylnaphthalene		1.24	2.48	4.95	U
91-57-6	2-Methylnaphthalene		1.24	2.48	4.95	Q, U
95-48-7	2-Methylphenol		1.24	2.48	4.95	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.24	2.48	4.95	U
91-20-3	Naphthalene		1.24	2.48	4.95	U
100-01-6	4-Nitroaniline		4.95	9.90	19.8	U
99-09-2	3-Nitroaniline		4.95	9.90	19.8	U
88-74-4	2-Nitroaniline		4.95	9.90	19.8	U
98-95-3	Nitrobenzene		1.24	2.48	4.95	U
100-02-7	4-Nitrophenol		4.95	9.90	19.8	U
88-75-5	2-Nitrophenol		1.24	2.48	4.95	U
86-30-6	N-Nitrosodiphenylamine		1.24	2.48	4.95	U
621-64-7	N-Nitroso-di-n-propylamine		1.24	2.48	4.95	U
87-86-5	Pentachlorophenol		4.95	9.90	19.8	U
85-01-8	Phenanthrene		1.24	2.48	4.95	U
108-95-2	Phenol		1.24	2.48	4.95	U
129-00-0	Pyrene		1.24	2.48	4.95	U
88-06-2	2,4,6-Trichlorophenol		1.24	2.48	4.95	U
95-95-4	2,4,5-Trichlorophenol		1.24	2.48	4.95	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	31.18	63.0	50 - 110	
2-Fluorophenol	99.01	30.83	31.1	20 - 110	
Nitrobenzene-d5	49.50	27.66	55.9	40 - 110	
Phenol-d6	99.01	16.97	17.1	0 - 110	
Terphenyl-d14	49.50	36.40	73.5	50 - 135	
2,4,6-Tribromophenol	99.01	62.18	62.8	40 - 125	

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	0715215.D
Sampled:	07/25/12 15:27	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 20:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 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	Q, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	Q, 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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	0715215.D
Sampled:	07/25/12 15:27	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 20:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	30.84	61.7	50 - 110	
2-Fluorophenol	100.0	29.74	29.7	20 - 110	
Nitrobenzene-d5	50.00	27.15	54.3	40 - 110	
Phenol-d6	100.0	17.20	17.2	0 - 110	
Terphenyl-d14	50.00	37.18	74.4	50 - 135	
2,4,6-Tribromophenol	100.0	62.22	62.2	40 - 125	

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	0715217.D
Sampled:	07/25/12 15:39	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 20:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.32	2.63	5.26	U
208-96-8	Acenaphthylene		1.32	2.63	5.26	U
98-86-2	Acetophenone		1.32	2.63	5.26	U
120-12-7	Anthracene		1.32	2.63	5.26	U
1912-24-9	Atrazine		1.32	2.63	5.26	Q, U
100-52-7	Benzaldehyde		1.32	2.63	5.26	U
92-87-5	Benzidine		13.2	52.6	105	Q, U
56-55-3	Benzo(a)anthracene		1.32	2.63	5.26	U
50-32-8	Benzo(a)pyrene		1.32	2.63	5.26	U
205-99-2	Benzo(b)fluoranthene		1.32	2.63	5.26	U
191-24-2	Benzo(g,h,i)perylene		1.32	2.63	5.26	U
65-85-0	Benzoic acid		13.2	52.6	105	U
207-08-9	Benzo(k)fluoranthene		1.32	2.63	5.26	U
92-52-4	1,1-Biphenyl		1.32	2.63	5.26	U
101-55-3	4-Bromophenyl-phenylether		1.32	2.63	5.26	U
85-68-7	Butylbenzylphthalate		1.32	2.63	5.26	U
105-60-2	Caprolactam	4.40	1.32	2.63	5.26	J
86-74-8	Carbazole		1.32	2.63	5.26	U
59-50-7	4-Chloro-3-methylphenol		1.32	2.63	5.26	U
106-47-8	4-Chloroaniline		1.32	2.63	5.26	U
111-91-1	Bis(2-chloroethoxy)methane		1.32	2.63	5.26	U
111-44-4	Bis(2-chloroethyl)ether		1.32	2.63	5.26	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.32	2.63	5.26	U
91-58-7	2-Chloronaphthalene		1.32	2.63	5.26	Q, U
95-57-8	2-Chlorophenol		1.32	2.63	5.26	U
7005-72-3	4-Chlorophenyl phenyl ether		1.32	2.63	5.26	U
218-01-9	Chrysene		1.32	2.63	5.26	U
53-70-3	Dibenz(a,h)anthracene		1.32	2.63	5.26	U
132-64-9	Dibenzofuran		1.32	2.63	5.26	Q, U
84-74-2	Di-n-butylphthalate		1.32	2.63	5.26	U
91-94-1	3,3'-Dichlorobenzidine		1.32	2.63	5.26	U
120-83-2	2,4-Dichlorophenol		1.32	2.63	5.26	U
84-66-2	Diethylphthalate		1.32	2.63	5.26	U
105-67-9	2,4-Dimethylphenol		5.26	10.5	21.1	U
131-11-3	Dimethyl phthalate		1.32	2.63	5.26	U
534-52-1	4,6-Dinitro-2-methylphenol		5.26	10.5	21.1	U
51-28-5	2,4-Dinitrophenol		8.77	26.3	52.6	U
121-14-2	2,4-Dinitrotoluene		1.32	2.63	5.26	U
606-20-2	2,6-Dinitrotoluene		1.32	2.63	5.26	U
117-84-0	Di-n-octylphthalate		1.32	2.63	5.26	U

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	0715217.D
Sampled:	07/25/12 15:39	Prepared:	08/01/12 14:04	Analyzed:	08/13/12 20:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.32	2.63	5.26	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.32	2.63	5.26	U
206-44-0	Fluoranthene		1.32	2.63	5.26	U
86-73-7	Fluorene		1.32	2.63	5.26	U
118-74-1	Hexachlorobenzene		1.32	2.63	5.26	U
87-68-3	Hexachlorobutadiene		1.32	2.63	5.26	U
77-47-4	Hexachlorocyclopentadiene		1.32	5.26	10.5	U
67-72-1	Hexachloroethane		1.32	2.63	5.26	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.32	2.63	5.26	U
78-59-1	Isophorone		1.32	2.63	5.26	Q, U
90-12-0	1-Methylnaphthalene		1.32	2.63	5.26	U
91-57-6	2-Methylnaphthalene		1.32	2.63	5.26	Q, U
95-48-7	2-Methylphenol		1.32	2.63	5.26	U
108-39-4/106	3-Methylphenol/4-Methylphenol	1.68	1.32	2.63	5.26	J
91-20-3	Naphthalene		1.32	2.63	5.26	U
100-01-6	4-Nitroaniline		5.26	10.5	21.1	U
99-09-2	3-Nitroaniline		5.26	10.5	21.1	U
88-74-4	2-Nitroaniline		5.26	10.5	21.1	U
98-95-3	Nitrobenzene		1.32	2.63	5.26	U
100-02-7	4-Nitrophenol		5.26	10.5	21.1	U
88-75-5	2-Nitrophenol		1.32	2.63	5.26	U
86-30-6	N-Nitrosodiphenylamine		1.32	2.63	5.26	U
621-64-7	N-Nitroso-di-n-propylamine		1.32	2.63	5.26	U
87-86-5	Pentachlorophenol		5.26	10.5	21.1	U
85-01-8	Phenanthrene		1.32	2.63	5.26	U
108-95-2	Phenol		1.32	2.63	5.26	U
129-00-0	Pyrene		1.32	2.63	5.26	U
88-06-2	2,4,6-Trichlorophenol		1.32	2.63	5.26	U
95-95-4	2,4,5-Trichlorophenol		1.32	2.63	5.26	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	52.63	33.64	63.9	50 - 110	
2-Fluorophenol	105.3	33.89	32.2	20 - 110	
Nitrobenzene-d5	52.63	28.91	54.9	40 - 110	
Phenol-d6	105.3	20.19	19.2	0 - 110	
Terphenyl-d14	52.63	44.84	85.2	50 - 135	
2,4,6-Tribromophenol	105.3	82.97	78.8	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21507-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/01/12 11:28		
2-Fluorobiphenyl	50.00	103	80 - 120	8.276	8.276	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.623	3.623	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	98.4	80 - 120	5.938	5.938	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	4.775	4.775	0.0000	+/-0.500	
Terphenyl-d14	50.00	113	80 - 120	12.847	12.847	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	113	80 - 120	10.079	10.079	0.0000	+/-0.500	
Blank (2G26004-BLK1) ug/L				Lab File ID: G26004B1.D		Analyzed: 08/01/12 12:23		
2-Fluorobiphenyl	50.00	74.7	50 - 110	8.279	8.276	0.0030	+/-0.500	
2-Fluorophenol	100.0	30.8	20 - 110	3.632	3.623	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	66.9	40 - 110	5.937	5.938	-0.0010	+/-0.500	
Phenol-d6	100.0	16.6	0 - 110	4.774	4.775	-0.0010	+/-0.500	
Terphenyl-d14	50.00	95.2	50 - 135	12.846	12.847	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	79.6	40 - 125	10.077	10.079	-0.0020	+/-0.500	
LCS (2G26004-BS1) ug/L				Lab File ID: G26004L1.D		Analyzed: 08/01/12 12:51		
2-Fluorobiphenyl	50.00	72.8	50 - 110	8.28	8.276	0.0040	+/-0.500	
2-Fluorophenol	100.0	33.6	20 - 110	3.635	3.623	0.0120	+/-0.500	
Nitrobenzene-d5	50.00	65.0	40 - 110	5.94	5.938	0.0020	+/-0.500	
Phenol-d6	100.0	18.8	0 - 110	4.777	4.775	0.0020	+/-0.500	
Terphenyl-d14	50.00	84.5	50 - 135	12.848	12.847	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	84.0	40 - 125	10.078	10.079	-0.0010	+/-0.500	
GW0664 (1207130-01) ug/L				Lab File ID: 0713001.D		Analyzed: 08/01/12 13:19		
2-Fluorobiphenyl	49.02	74.9	50 - 110	8.272	8.276	-0.0040	+/-0.500	
2-Fluorophenol	98.04	34.7	20 - 110	3.627	3.623	0.0040	+/-0.500	
Nitrobenzene-d5	49.02	71.8	40 - 110	5.931	5.938	-0.0070	+/-0.500	
Phenol-d6	98.04	19.3	0 - 110	4.768	4.775	-0.0070	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	12.846	12.847	-0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	85.4	40 - 125	10.08	10.079	0.0010	+/-0.500	
GW0666 (1207130-03) ug/L				Lab File ID: 0713003.D		Analyzed: 08/01/12 13:47		
2-Fluorobiphenyl	49.02	70.2	50 - 110	8.277	8.276	0.0010	+/-0.500	
2-Fluorophenol	98.04	31.5	20 - 110	3.625	3.623	0.0020	+/-0.500	
Nitrobenzene-d5	49.02	64.6	40 - 110	5.932	5.938	-0.0060	+/-0.500	
Phenol-d6	98.04	16.9	0 - 110	4.769	4.775	-0.0060	+/-0.500	
Terphenyl-d14	49.02	96.7	50 - 135	12.843	12.847	-0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	85.0	40 - 125	10.076	10.079	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0671 (1207130-05) ug/L				Lab File ID: 0713005.D		Analyzed: 08/01/12 14:14		
2-Fluorobiphenyl	46.30	59.2	50 - 110	8.274	8.276	-0.0020	+/-0.500	
2-Fluorophenol	92.59	29.3	20 - 110	3.635	3.623	0.0120	+/-0.500	
Nitrobenzene-d5	46.30	55.9	40 - 110	5.94	5.938	0.0020	+/-0.500	
Phenol-d6	92.59	15.9	0 - 110	4.768	4.775	-0.0070	+/-0.500	
Terphenyl-d14	46.30	78.8	50 - 135	12.849	12.847	0.0020	+/-0.500	
2,4,6-Tribromophenol	92.59	68.4	40 - 125	10.072	10.079	-0.0070	+/-0.500	
Matrix Spike (2G26004-MS1) ug/L				Lab File ID: 0713005M.D		Analyzed: 08/01/12 14:42		
2-Fluorobiphenyl	49.02	85.9	50 - 110	8.274	8.276	-0.0020	+/-0.500	
2-Fluorophenol	98.04	42.3	20 - 110	3.633	3.623	0.0100	+/-0.500	
Nitrobenzene-d5	49.02	80.9	40 - 110	5.938	5.938	0.0000	+/-0.500	
Phenol-d6	98.04	23.3	0 - 110	4.776	4.775	0.0010	+/-0.500	
Terphenyl-d14	49.02	92.1	50 - 135	12.847	12.847	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	92.7	40 - 125	10.078	10.079	-0.0010	+/-0.500	
Matrix Spike Dup (2G26004-MSD1) ug/L				Lab File ID: 0713005S.D		Analyzed: 08/01/12 15:10		
2-Fluorobiphenyl	49.02	79.6	50 - 110	8.274	8.276	-0.0020	+/-0.500	
2-Fluorophenol	98.04	34.1	20 - 110	3.635	3.623	0.0120	+/-0.500	
Nitrobenzene-d5	49.02	72.6	40 - 110	5.94	5.938	0.0020	+/-0.500	
Phenol-d6	98.04	19.8	0 - 110	4.775	4.775	0.0000	+/-0.500	
Terphenyl-d14	49.02	95.8	50 - 135	12.844	12.847	-0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	92.2	40 - 125	10.082	10.079	0.0030	+/-0.500	
GW0673 (1207130-07) ug/L				Lab File ID: 0713007.D		Analyzed: 08/01/12 15:38		
2-Fluorobiphenyl	48.08	66.6	50 - 110	8.274	8.276	-0.0020	+/-0.500	
2-Fluorophenol	96.15	31.2	20 - 110	3.635	3.623	0.0120	+/-0.500	
Nitrobenzene-d5	48.08	63.2	40 - 110	5.941	5.938	0.0030	+/-0.500	
Phenol-d6	96.15	17.5	0 - 110	4.778	4.775	0.0030	+/-0.500	
Terphenyl-d14	48.08	90.1	50 - 135	12.845	12.847	-0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	77.6	40 - 125	10.08	10.079	0.0010	+/-0.500	
GW0717 (1207130-09) ug/L				Lab File ID: 0713009.D		Analyzed: 08/01/12 16:06		
2-Fluorobiphenyl	47.17	68.0	50 - 110	8.278	8.276	0.0020	+/-0.500	
2-Fluorophenol	94.34	32.6	20 - 110	3.627	3.623	0.0040	+/-0.500	
Nitrobenzene-d5	47.17	68.1	40 - 110	5.934	5.938	-0.0040	+/-0.500	
Phenol-d6	94.34	17.6	0 - 110	4.771	4.775	-0.0040	+/-0.500	
Terphenyl-d14	47.17	82.0	50 - 135	12.843	12.847	-0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	78.1	40 - 125	10.075	10.079	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0718 (1207130-11) ug/L				Lab File ID: 0713011.D		Analyzed: 08/01/12 16:34		
2-Fluorobiphenyl	48.08	71.6	50 - 110	8.274	8.276	-0.0020	+/-0.500	
2-Fluorophenol	96.15	29.4	20 - 110	3.631	3.623	0.0080	+/-0.500	
Nitrobenzene-d5	48.08	62.1	40 - 110	5.941	5.938	0.0030	+/-0.500	
Phenol-d6	96.15	16.9	0 - 110	4.78	4.775	0.0050	+/-0.500	
Terphenyl-d14	48.08	86.0	50 - 135	12.844	12.847	-0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	72.8	40 - 125	10.082	10.079	0.0030	+/-0.500	
GW0719 (1207130-13) ug/L				Lab File ID: 0713013.D		Analyzed: 08/01/12 17:01		
2-Fluorobiphenyl	48.08	67.0	50 - 110	8.282	8.276	0.0060	+/-0.500	
2-Fluorophenol	96.15	30.1	20 - 110	3.63	3.623	0.0070	+/-0.500	
Nitrobenzene-d5	48.08	60.0	40 - 110	5.935	5.938	-0.0030	+/-0.500	
Phenol-d6	96.15	16.7	0 - 110	4.776	4.775	0.0010	+/-0.500	
Terphenyl-d14	48.08	84.6	50 - 135	12.847	12.847	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	66.4	40 - 125	10.077	10.079	-0.0020	+/-0.500	
GW0742 (1207130-15) ug/L				Lab File ID: 0713015.D		Analyzed: 08/01/12 17:29		
2-Fluorobiphenyl	49.02	74.9	50 - 110	8.28	8.276	0.0040	+/-0.500	
2-Fluorophenol	98.04	27.5	20 - 110	3.635	3.623	0.0120	+/-0.500	
Nitrobenzene-d5	49.02	67.5	40 - 110	5.938	5.938	0.0000	+/-0.500	
Phenol-d6	98.04	15.5	0 - 110	4.776	4.775	0.0010	+/-0.500	
Terphenyl-d14	49.02	100	50 - 135	12.848	12.847	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	84.8	40 - 125	10.081	10.079	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22112-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/07/12 15:56		
2-Fluorobiphenyl	50.00	104	80 - 120	8.253	8.253	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.609	3.609	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	92.6	80 - 120	5.916	5.916	0.0000	+/-0.500	
Phenol-d6	100.0	103	80 - 120	4.749	4.749	0.0000	+/-0.500	
Terphenyl-d14	50.00	111	80 - 120	12.825	12.825	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	107	80 - 120	10.056	10.056	0.0000	+/-0.500	
Blank (2G27016-BLK1) ug/L				Lab File ID: G27016B1.D		Analyzed: 08/07/12 16:51		
2-Fluorobiphenyl	50.00	72.0	50 - 110	8.248	8.253	-0.0050	+/-0.500	
2-Fluorophenol	100.0	28.3	20 - 110	3.603	3.609	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	62.7	40 - 110	5.915	5.916	-0.0010	+/-0.500	
Phenol-d6	100.0	16.1	0 - 110	4.744	4.749	-0.0050	+/-0.500	
Terphenyl-d14	50.00	91.9	50 - 135	12.825	12.825	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	69.9	40 - 125	10.058	10.056	0.0020	+/-0.500	
LCS (2G27016-BS1) ug/L				Lab File ID: G27016L1.D		Analyzed: 08/07/12 17:19		
2-Fluorobiphenyl	50.00	72.6	50 - 110	8.257	8.253	0.0040	+/-0.500	
2-Fluorophenol	100.0	24.5	20 - 110	3.611	3.609	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	64.5	40 - 110	5.907	5.916	-0.0090	+/-0.500	
Phenol-d6	100.0	14.0	0 - 110	4.75	4.749	0.0010	+/-0.500	
Terphenyl-d14	50.00	80.5	50 - 135	12.82	12.825	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	70.9	40 - 125	10.056	10.056	0.0000	+/-0.500	
GW0665 (1207138-01) ug/L				Lab File ID: 0713801.D		Analyzed: 08/07/12 17:46		
2-Fluorobiphenyl	48.08	66.6	50 - 110	8.249	8.253	-0.0040	+/-0.500	
2-Fluorophenol	96.15	24.4	20 - 110	3.606	3.609	-0.0030	+/-0.500	
Nitrobenzene-d5	48.08	57.9	40 - 110	5.913	5.916	-0.0030	+/-0.500	
Phenol-d6	96.15	13.8	0 - 110	4.746	4.749	-0.0030	+/-0.500	
Terphenyl-d14	48.08	70.9	50 - 135	12.817	12.825	-0.0080	+/-0.500	
2,4,6-Tribromophenol	96.15	66.1	40 - 125	10.053	10.056	-0.0030	+/-0.500	
GW0684 (1207138-03) ug/L				Lab File ID: 0713803.D		Analyzed: 08/07/12 18:13		
2-Fluorobiphenyl	47.17	73.5	50 - 110	8.252	8.253	-0.0010	+/-0.500	
2-Fluorophenol	94.34	17.0	20 - 110	3.604	3.609	-0.0050	+/-0.500	*
Nitrobenzene-d5	47.17	62.0	40 - 110	5.905	5.916	-0.0110	+/-0.500	
Phenol-d6	94.34	11.9	0 - 110	4.743	4.749	-0.0060	+/-0.500	
Terphenyl-d14	47.17	68.5	50 - 135	12.816	12.825	-0.0090	+/-0.500	
2,4,6-Tribromophenol	94.34	45.4	40 - 125	10.049	10.056	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0692 (1207138-05) ug/L				Lab File ID: 0713805.D		Analyzed: 08/07/12 18:40		
2-Fluorobiphenyl	46.73	77.7	50 - 110	8.252	8.253	-0.0010	+/-0.500	
2-Fluorophenol	93.46	17.9	20 - 110	3.606	3.609	-0.0030	+/-0.500	*
Nitrobenzene-d5	46.73	68.5	40 - 110	5.909	5.916	-0.0070	+/-0.500	
Phenol-d6	93.46	12.5	0 - 110	4.747	4.749	-0.0020	+/-0.500	
Terphenyl-d14	46.73	75.9	50 - 135	12.824	12.825	-0.0010	+/-0.500	
2,4,6-Tribromophenol	93.46	48.0	40 - 125	10.048	10.056	-0.0080	+/-0.500	
GW0693 (1207138-07) ug/L				Lab File ID: 0713807.D		Analyzed: 08/07/12 19:07		
2-Fluorobiphenyl	48.08	72.2	50 - 110	8.258	8.253	0.0050	+/-0.500	
2-Fluorophenol	96.15	20.7	20 - 110	3.649	3.609	0.0400	+/-0.500	
Nitrobenzene-d5	48.08	73.8	40 - 110	5.922	5.916	0.0060	+/-0.500	
Phenol-d6	96.15	18.9	0 - 110	4.811	4.749	0.0620	+/-0.500	
Terphenyl-d14	48.08	65.4	50 - 135	12.816	12.825	-0.0090	+/-0.500	
2,4,6-Tribromophenol	96.15	87.7	40 - 125	10.059	10.056	0.0030	+/-0.500	
Matrix Spike (2G27016-MS2) ug/L				Lab File ID: 0713807M.D		Analyzed: 08/07/12 19:34		
2-Fluorobiphenyl	47.17	82.5	50 - 110	8.263	8.253	0.0100	+/-0.500	
2-Fluorophenol	94.34	20.0	20 - 110	3.65	3.609	0.0410	+/-0.500	
Nitrobenzene-d5	47.17	65.5	40 - 110	5.923	5.916	0.0070	+/-0.500	
Phenol-d6	94.34	27.4	0 - 110	4.821	4.749	0.0720	+/-0.500	
Terphenyl-d14	47.17	92.3	50 - 135	12.82	12.825	-0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	88.5	40 - 125	10.063	10.056	0.0070	+/-0.500	
Matrix Spike Dup (2G27016-MSD2) ug/L				Lab File ID: 0713807S.D		Analyzed: 08/07/12 20:02		
2-Fluorobiphenyl	47.17	78.6	50 - 110	8.26	8.253	0.0070	+/-0.500	
2-Fluorophenol	94.34	23.0	20 - 110	3.651	3.609	0.0420	+/-0.500	
Nitrobenzene-d5	47.17	64.0	40 - 110	5.921	5.916	0.0050	+/-0.500	
Phenol-d6	94.34	30.1	0 - 110	4.819	4.749	0.0700	+/-0.500	
Terphenyl-d14	47.17	92.2	50 - 135	12.818	12.825	-0.0070	+/-0.500	
2,4,6-Tribromophenol	94.34	95.6	40 - 125	10.062	10.056	0.0060	+/-0.500	
GW0703 (1207138-09) ug/L				Lab File ID: 0713809.D		Analyzed: 08/07/12 20:29		
2-Fluorobiphenyl	46.30	75.0	50 - 110	8.254	8.253	0.0010	+/-0.500	
2-Fluorophenol	92.59	31.3	20 - 110	3.611	3.609	0.0020	+/-0.500	
Nitrobenzene-d5	46.30	62.2	40 - 110	5.905	5.916	-0.0110	+/-0.500	
Phenol-d6	92.59	21.5	0 - 110	4.748	4.749	-0.0010	+/-0.500	
Terphenyl-d14	46.30	92.6	50 - 135	12.818	12.825	-0.0070	+/-0.500	
2,4,6-Tribromophenol	92.59	79.7	40 - 125	10.051	10.056	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0740 (1207138-11) ug/L				Lab File ID: 0713811.D		Analyzed: 08/07/12 20:55		
2-Fluorobiphenyl	47.17	76.8	50 - 110	8.253	8.253	0.0000	+/-0.500	
2-Fluorophenol	94.34	20.4	20 - 110	3.604	3.609	-0.0050	+/-0.500	
Nitrobenzene-d5	47.17	69.7	40 - 110	5.911	5.916	-0.0050	+/-0.500	
Phenol-d6	94.34	12.6	0 - 110	4.745	4.749	-0.0040	+/-0.500	
Terphenyl-d14	47.17	83.1	50 - 135	12.817	12.825	-0.0080	+/-0.500	
2,4,6-Tribromophenol	94.34	67.8	40 - 125	10.054	10.056	-0.0020	+/-0.500	
GW0741 (1207138-13) ug/L				Lab File ID: 0713813.D		Analyzed: 08/07/12 21:22		
2-Fluorobiphenyl	46.73	76.5	50 - 110	8.247	8.253	-0.0060	+/-0.500	
2-Fluorophenol	93.46	22.0	20 - 110	3.608	3.609	-0.0010	+/-0.500	
Nitrobenzene-d5	46.73	66.8	40 - 110	5.909	5.916	-0.0070	+/-0.500	
Phenol-d6	93.46	12.6	0 - 110	4.744	4.749	-0.0050	+/-0.500	
Terphenyl-d14	46.73	75.1	50 - 135	12.821	12.825	-0.0040	+/-0.500	
2,4,6-Tribromophenol	93.46	72.0	40 - 125	10.05	10.056	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22605	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22605-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/09/12 14:11		
2-Fluorobiphenyl	50.00	103	80 - 120	8.254	8.254	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.607	3.607	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	96.1	80 - 120	5.912	5.912	0.0000	+/-0.500	
Phenol-d6	100.0	109	80 - 120	4.752	4.752	0.0000	+/-0.500	
Terphenyl-d14	50.00	105	80 - 120	12.825	12.825	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	108	80 - 120	10.054	10.054	0.0000	+/-0.500	
GW0693 (1207138-07RE1) ug/L				Lab File ID: 0713807D.D		Analyzed: 08/10/12 01:30		
2-Fluorobiphenyl	48.08	66.2	50 - 110	8.253	8.254	-0.0010	+/-0.500	
2-Fluorophenol	96.15	22.9	20 - 110	3.623	3.607	0.0160	+/-0.500	
Nitrobenzene-d5	48.08	66.9	40 - 110	5.919	5.912	0.0070	+/-0.500	
Phenol-d6	96.15	16.8	0 - 110	4.757	4.752	0.0050	+/-0.500	
Terphenyl-d14	48.08	60.5	50 - 135	12.824	12.825	-0.0010	+/-0.500	
2,4,6-Tribromophenol	96.15	65.7	40 - 125	10.058	10.054	0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22708-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/13/12 14:35		
2-Fluorobiphenyl	50.00	102	80 - 120	8.217	8.217	0.0000	+/-0.500	
2-Fluorophenol	100.0	102	80 - 120	3.578	3.578	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	88.4	80 - 120	5.879	5.879	0.0000	+/-0.500	
Phenol-d6	100.0	103	80 - 120	4.72	4.72	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	80 - 120	12.785	12.785	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	110	80 - 120	10.025	10.025	0.0000	+/-0.500	
Blank (2G31012-BLK1) ug/L				Lab File ID: G31012B1.D		Analyzed: 08/13/12 15:33		
2-Fluorobiphenyl	50.00	59.0	50 - 110	8.223	8.217	0.0060	+/-0.500	
2-Fluorophenol	100.0	30.0	20 - 110	3.569	3.578	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	57.0	40 - 110	5.874	5.879	-0.0050	+/-0.500	
Phenol-d6	100.0	16.4	0 - 110	4.707	4.72	-0.0130	+/-0.500	
Terphenyl-d14	50.00	79.5	50 - 135	12.788	12.785	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	69.7	40 - 125	10.019	10.025	-0.0060	+/-0.500	
LCS (2G31012-BS1) ug/L				Lab File ID: G31012L1.D		Analyzed: 08/13/12 16:00		
2-Fluorobiphenyl	50.00	59.3	50 - 110	8.215	8.217	-0.0020	+/-0.500	
2-Fluorophenol	100.0	30.9	20 - 110	3.578	3.578	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	53.6	40 - 110	5.875	5.879	-0.0040	+/-0.500	
Phenol-d6	100.0	17.9	0 - 110	4.715	4.72	-0.0050	+/-0.500	
Terphenyl-d14	50.00	75.9	50 - 135	12.792	12.785	0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	73.2	40 - 125	10.024	10.025	-0.0010	+/-0.500	
LCS Dup (2G31012-BSD1) ug/L				Lab File ID: G31012L2.D		Analyzed: 08/13/12 16:28		
2-Fluorobiphenyl	50.00	65.7	50 - 110	8.217	8.217	0.0000	+/-0.500	
2-Fluorophenol	100.0	28.1	20 - 110	3.575	3.578	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	55.7	40 - 110	5.877	5.879	-0.0020	+/-0.500	
Phenol-d6	100.0	17.3	0 - 110	4.716	4.72	-0.0040	+/-0.500	
Terphenyl-d14	50.00	76.3	50 - 135	12.791	12.785	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	75.9	40 - 125	10.026	10.025	0.0010	+/-0.500	
GW0674 (1207152-01) ug/L				Lab File ID: 0715201.D		Analyzed: 08/13/12 16:55		
2-Fluorobiphenyl	49.02	55.1	50 - 110	8.223	8.217	0.0060	+/-0.500	
2-Fluorophenol	98.04	24.9	20 - 110	3.575	3.578	-0.0030	+/-0.500	
Nitrobenzene-d5	49.02	51.6	40 - 110	5.874	5.879	-0.0050	+/-0.500	
Phenol-d6	98.04	13.6	0 - 110	4.709	4.72	-0.0110	+/-0.500	
Terphenyl-d14	49.02	74.3	50 - 135	12.789	12.785	0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	62.6	40 - 125	10.021	10.025	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0675 (1207152-03) ug/L				Lab File ID: 0715203.D		Analyzed: 08/13/12 17:22		
2-Fluorobiphenyl	52.63	62.1	50 - 110	8.224	8.217	0.0070	+/-0.500	
2-Fluorophenol	105.3	28.5	20 - 110	3.573	3.578	-0.0050	+/-0.500	
Nitrobenzene-d5	52.63	55.5	40 - 110	5.875	5.879	-0.0040	+/-0.500	
Phenol-d6	105.3	16.0	0 - 110	4.708	4.72	-0.0120	+/-0.500	
Terphenyl-d14	52.63	80.2	50 - 135	12.792	12.785	0.0070	+/-0.500	
2,4,6-Tribromophenol	105.3	66.2	40 - 125	10.022	10.025	-0.0030	+/-0.500	
GW0676 (1207152-05) ug/L				Lab File ID: 0715205.D		Analyzed: 08/13/12 17:50		
2-Fluorobiphenyl	46.30	75.8	50 - 110	8.218	8.217	0.0010	+/-0.500	
2-Fluorophenol	92.59	30.8	20 - 110	3.571	3.578	-0.0070	+/-0.500	
Nitrobenzene-d5	46.30	62.4	40 - 110	5.872	5.879	-0.0070	+/-0.500	
Phenol-d6	92.59	16.0	0 - 110	4.716	4.72	-0.0040	+/-0.500	
Terphenyl-d14	46.30	83.6	50 - 135	12.79	12.785	0.0050	+/-0.500	
2,4,6-Tribromophenol	92.59	70.7	40 - 125	10.022	10.025	-0.0030	+/-0.500	
GW0681 (1207152-07) ug/L				Lab File ID: 0715207.D		Analyzed: 08/13/12 18:17		
2-Fluorobiphenyl	48.08	67.3	50 - 110	8.221	8.217	0.0040	+/-0.500	
2-Fluorophenol	96.15	28.1	20 - 110	3.574	3.578	-0.0040	+/-0.500	
Nitrobenzene-d5	48.08	58.1	40 - 110	5.874	5.879	-0.0050	+/-0.500	
Phenol-d6	96.15	15.2	0 - 110	4.712	4.72	-0.0080	+/-0.500	
Terphenyl-d14	48.08	80.7	50 - 135	12.787	12.785	0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	67.8	40 - 125	10.024	10.025	-0.0010	+/-0.500	
GW0682 (1207152-09) ug/L				Lab File ID: 0715209.D		Analyzed: 08/13/12 18:44		
2-Fluorobiphenyl	50.00	63.5	50 - 110	8.224	8.217	0.0070	+/-0.500	
2-Fluorophenol	100.0	28.7	20 - 110	3.574	3.578	-0.0040	+/-0.500	
Nitrobenzene-d5	50.00	52.3	40 - 110	5.878	5.879	-0.0010	+/-0.500	
Phenol-d6	100.0	16.0	0 - 110	4.712	4.72	-0.0080	+/-0.500	
Terphenyl-d14	50.00	80.2	50 - 135	12.789	12.785	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	68.5	40 - 125	10.017	10.025	-0.0080	+/-0.500	
GW0683 (1207152-11) ug/L				Lab File ID: 0715211.D		Analyzed: 08/13/12 19:11		
2-Fluorobiphenyl	49.02	64.4	50 - 110	8.215	8.217	-0.0020	+/-0.500	
2-Fluorophenol	98.04	28.5	20 - 110	3.572	3.578	-0.0060	+/-0.500	
Nitrobenzene-d5	49.02	54.9	40 - 110	5.873	5.879	-0.0060	+/-0.500	
Phenol-d6	98.04	16.1	0 - 110	4.708	4.72	-0.0120	+/-0.500	
Terphenyl-d14	49.02	76.9	50 - 135	12.786	12.785	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	60.2	40 - 125	10.016	10.025	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0690 (1207152-13) ug/L				Lab File ID: 0715213.D		Analyzed: 08/13/12 19:38		
2-Fluorobiphenyl	49.50	63.0	50 - 110	8.215	8.217	-0.0020	+/-0.500	
2-Fluorophenol	99.01	31.1	20 - 110	3.574	3.578	-0.0040	+/-0.500	
Nitrobenzene-d5	49.50	55.9	40 - 110	5.874	5.879	-0.0050	+/-0.500	
Phenol-d6	99.01	17.1	0 - 110	4.709	4.72	-0.0110	+/-0.500	
Terphenyl-d14	49.50	73.5	50 - 135	12.784	12.785	-0.0010	+/-0.500	
2,4,6-Tribromophenol	99.01	62.8	40 - 125	10.016	10.025	-0.0090	+/-0.500	
GW0691 (1207152-15) ug/L				Lab File ID: 0715215.D		Analyzed: 08/13/12 20:05		
2-Fluorobiphenyl	50.00	61.7	50 - 110	8.215	8.217	-0.0020	+/-0.500	
2-Fluorophenol	100.0	29.7	20 - 110	3.572	3.578	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	54.3	40 - 110	5.873	5.879	-0.0060	+/-0.500	
Phenol-d6	100.0	17.2	0 - 110	4.708	4.72	-0.0120	+/-0.500	
Terphenyl-d14	50.00	74.4	50 - 135	12.789	12.785	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	62.2	40 - 125	10.016	10.025	-0.0090	+/-0.500	
GW0700 (1207152-17) ug/L				Lab File ID: 0715217.D		Analyzed: 08/13/12 20:32		
2-Fluorobiphenyl	52.63	63.9	50 - 110	8.215	8.217	-0.0020	+/-0.500	
2-Fluorophenol	105.3	32.2	20 - 110	3.572	3.578	-0.0060	+/-0.500	
Nitrobenzene-d5	52.63	54.9	40 - 110	5.875	5.879	-0.0040	+/-0.500	
Phenol-d6	105.3	19.2	0 - 110	4.716	4.72	-0.0040	+/-0.500	
Terphenyl-d14	52.63	85.2	50 - 135	12.791	12.785	0.0060	+/-0.500	
2,4,6-Tribromophenol	105.3	78.8	40 - 125	10.018	10.025	-0.0070	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26004	Laboratory ID:	2G26004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	35.66	72.8	45 - 110
Acenaphthylene	49.00	37.31	76.1	50 - 105
Acetophenone	50.00	38.69	77.4	50 - 110
Anthracene	49.00	40.60	82.8	55 - 110
Atrazine	50.00	47.50	95.0	70 - 115
Benzaldehyde	50.00	37.66	75.3	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	49.00	42.11	85.9	55 - 110
Benzo(a)pyrene	49.00	42.71	87.2	55 - 110
Benzo(b)fluoranthene	49.00	47.55	97.0	45 - 120
Benzo(g,h,i)perylene	49.00	43.89	89.6	40 - 125
Benzoic acid	100.0	100 U	0	0 - 125
Benzo(k)fluoranthene	49.00	43.14	88.0	45 - 125
1,1-Biphenyl	50.00	44.96	89.9	50 - 110
4-Bromophenyl-phenylether	49.00	39.76	81.1	50 - 115
Butylbenzylphthalate	49.00	48.96	99.9	45 - 115
Caprolactam	50.00	8.547	17.1	10 - 110
Carbazole	50.00	48.54	97.1	50 - 115
4-Chloro-3-methylphenol	100.0	75.04	75.0	45 - 110
4-Chloroaniline	50.00	34.60	69.2	15 - 110
Bis(2-chloroethoxy)methane	49.00	34.50	70.4	45 - 105
Bis(2-chloroethyl)ether	49.00	33.07	67.5	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	40.88	83.4	25 - 130
2-Chloronaphthalene	49.00	33.48	68.3	50 - 105
2-Chlorophenol	100.0	68.03	68.0	35 - 105
4-Chlorophenyl phenyl ether	49.00	37.29	76.1	50 - 110
Chrysene	49.00	41.63	85.0	55 - 110
Dibenz(a,h)anthracene	49.00	43.58	88.9	40 - 125
Dibenzofuran	49.00	35.94	73.4	55 - 105
Di-n-butylphthalate	49.00	46.19	94.3	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26004	Laboratory ID:	2G26004-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	41.62	83.2	20 - 110
2,4-Dichlorophenol	100.0	73.33	73.3	40 - 110
Diethylphthalate	49.00	39.61	80.8	40 - 120
2,4-Dimethylphenol	100.0	69.74	69.7	30 - 110
Dimethyl phthalate	49.00	39.16	79.9	25 - 125
4,6-Dinitro-2-methylphenol	100.0	87.87	87.9	40 - 130
2,4-Dinitrophenol	100.0	58.73	58.7	15 - 140
2,4-Dinitrotoluene	49.00	37.30	76.1	50 - 120
2,6-Dinitrotoluene	49.00	37.17	75.9	50 - 115
Di-n-octylphthalate	49.00	48.00	98.0	35 - 135
1,2-Diphenylhydrazine	50.00	46.98	94.0	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	47.85	97.7	40 - 125
Fluoranthene	49.00	42.27	86.3	55 - 115
Fluorene	49.00	38.27	78.1	50 - 110
Hexachlorobenzene	49.00	38.83	79.2	50 - 110
Hexachlorobutadiene	49.00	25.49	52.0	25 - 105
Hexachlorocyclopentadiene	49.00	18.14	37.0	10 - 110
Hexachloroethane	49.00	24.12	49.2	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	44.28	90.4	45 - 125
Isophorone	49.00	29.22	59.6	50 - 110
1-Methylnaphthalene	50.00	35.35	70.7	30 - 115
2-Methylnaphthalene	49.00	30.73	62.7	45 - 105
2-Methylphenol	100.0	56.27	56.3	40 - 110
3-Methylphenol/4-Methylphenol	100.0	50.90	50.9	30 - 110
Naphthalene	49.00	31.16	63.6	40 - 100
4-Nitroaniline	50.00	43.99	88.0	35 - 120
3-Nitroaniline	50.00	40.30	80.6	20 - 125
2-Nitroaniline	50.00	48.61	97.2	50 - 115
Nitrobenzene	49.00	31.43	64.1	30 - 110
4-Nitrophenol	100.0	25.24	25.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26004	Laboratory ID:	2G26004-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	75.37	75.4	40 - 115
N-Nitrosodiphenylamine	49.00	34.52	70.4	50 - 110
N-Nitroso-di-n-propylamine	49.00	38.06	77.7	35 - 130
Pentachlorophenol	100.0	91.20	91.2	40 - 115
Phenanthrene	49.00	41.88	85.5	50 - 115
Phenol	100.0	20.93	20.9	0 - 115
Pyrene	49.00	44.23	90.3	50 - 130
2,4,6-Trichlorophenol	100.0	78.29	78.3	50 - 115
2,4,5-Trichlorophenol	100.0	82.77	82.8	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27016	Laboratory ID:	2G27016-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	33.43	68.2	45 - 110
Acenaphthylene	49.00	36.76	75.0	50 - 105
Acetophenone	50.00	41.76	83.5	50 - 110
Anthracene	49.00	39.67	81.0	55 - 110
Atrazine	50.00	46.32	92.6	70 - 115
Benzaldehyde	50.00	37.48	75.0	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	49.00	40.74	83.1	55 - 110
Benzo(a)pyrene	49.00	41.86	85.4	55 - 110
Benzo(b)fluoranthene	49.00	42.71	87.2	45 - 120
Benzo(g,h,i)perylene	49.00	43.11	88.0	40 - 125
Benzoic acid	100.0	13.74	13.7	0 - 125
Benzo(k)fluoranthene	49.00	42.46	86.6	45 - 125
1,1-Biphenyl	50.00	47.03	94.1	50 - 110
4-Bromophenyl-phenylether	49.00	36.45	74.4	50 - 115
Butylbenzylphthalate	49.00	44.98	91.8	45 - 115
Caprolactam	50.00	6.560	13.1	10 - 110
Carbazole	50.00	47.41	94.8	50 - 115
4-Chloro-3-methylphenol	100.0	67.55	67.6	45 - 110
4-Chloroaniline	50.00	34.96	69.9	15 - 110
Bis(2-chloroethoxy)methane	49.00	33.94	69.3	45 - 105
Bis(2-chloroethyl)ether	49.00	32.94	67.2	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	40.71	83.1	25 - 130
2-Chloronaphthalene	49.00	30.63	62.5	50 - 105
2-Chlorophenol	100.0	55.82	55.8	35 - 105
4-Chlorophenyl phenyl ether	49.00	35.28	72.0	50 - 110
Chrysene	49.00	42.17	86.1	55 - 110
Dibenz(a,h)anthracene	49.00	42.42	86.6	40 - 125
Dibenzofuran	49.00	34.79	71.0	55 - 105
Di-n-butylphthalate	49.00	43.37	88.5	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27016	Laboratory ID:	2G27016-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	42.27	84.5	20 - 110
2,4-Dichlorophenol	100.0	64.28	64.3	40 - 110
Diethylphthalate	49.00	40.88	83.4	40 - 120
2,4-Dimethylphenol	100.0	64.72	64.7	30 - 110
Dimethyl phthalate	49.00	39.89	81.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	70.75	70.7	40 - 130
2,4-Dinitrophenol	100.0	56.53	56.5	15 - 140
2,4-Dinitrotoluene	49.00	39.83	81.3	50 - 120
2,6-Dinitrotoluene	49.00	36.04	73.5	50 - 115
Di-n-octylphthalate	49.00	43.00	87.8	35 - 135
1,2-Diphenylhydrazine	50.00	43.12	86.2	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	42.82	87.4	40 - 125
Fluoranthene	49.00	40.86	83.4	55 - 115
Fluorene	49.00	38.02	77.6	50 - 110
Hexachlorobenzene	49.00	35.61	72.7	50 - 110
Hexachlorobutadiene	49.00	22.37	45.7	25 - 105
Hexachlorocyclopentadiene	49.00	15.27	31.2	10 - 110
Hexachloroethane	49.00	23.58	48.1	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	42.25	86.2	45 - 125
Isophorone	49.00	27.05	55.2	50 - 110
1-Methylnaphthalene	50.00	34.44	68.9	30 - 115
2-Methylnaphthalene	49.00	28.79	58.7	45 - 105
2-Methylphenol	100.0	44.59	44.6	40 - 110
3-Methylphenol/4-Methylphenol	100.0	42.19	42.2	30 - 110
Naphthalene	49.00	30.15	61.5	40 - 100
4-Nitroaniline	50.00	42.91	85.8	35 - 120
3-Nitroaniline	50.00	39.98	80.0	20 - 125
2-Nitroaniline	50.00	50.79	102	50 - 115
Nitrobenzene	49.00	31.31	63.9	30 - 110
4-Nitrophenol	100.0	19.01	19.0	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27016	Laboratory ID:	2G27016-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	68.82	68.8	40 - 115
N-Nitrosodiphenylamine	49.00	33.81	69.0	50 - 110
N-Nitroso-di-n-propylamine	49.00	39.38	80.4	35 - 130
Pentachlorophenol	100.0	69.40	69.4	40 - 115
Phenanthrene	49.00	40.50	82.6	50 - 115
Phenol	100.0	16.97	17.0	0 - 115
Pyrene	49.00	42.25	86.2	50 - 130
2,4,6-Trichlorophenol	100.0	72.06	72.1	50 - 115
2,4,5-Trichlorophenol	100.0	75.61	75.6	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31012	Laboratory ID:	2G31012-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	24.71	49.4	45 - 110
Acenaphthylene	50.00	26.67	53.3	50 - 105
Acetophenone	50.00	33.99	68.0	50 - 110
Anthracene	50.00	33.40	66.8	55 - 110
Atrazine	**50.00**	**32.62**	**65.2**	**70 - 115**
Benzaldehyde	50.00	30.51	61.0	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	50.00	32.48	65.0	55 - 110
Benzo(a)pyrene	50.00	32.62	65.2	55 - 110
Benzo(b)fluoranthene	50.00	31.55	63.1	45 - 120
Benzo(g,h,i)perylene	50.00	33.47	66.9	40 - 125
Benzoic acid	100.0	15.13	15.1	0 - 125
Benzo(k)fluoranthene	50.00	36.04	72.1	45 - 125
1,1-Biphenyl	50.00	32.72	65.4	50 - 110
4-Bromophenyl-phenylether	50.00	30.29	60.6	50 - 115
Butylbenzylphthalate	50.00	37.02	74.0	45 - 115
Caprolactam	50.00	5.050	10.1	10 - 110
Carbazole	50.00	40.16	80.3	50 - 115
4-Chloro-3-methylphenol	100.0	61.28	61.3	45 - 110
4-Chloroaniline	50.00	32.84	65.7	15 - 110
Bis(2-chloroethoxy)methane	50.00	26.66	53.3	45 - 105
Bis(2-chloroethyl)ether	50.00	25.91	51.8	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	33.41	66.8	25 - 130
2-Chloronaphthalene	**50.00**	**20.86**	**41.7**	**50 - 105**
2-Chlorophenol	100.0	59.57	59.6	35 - 105
4-Chlorophenyl phenyl ether	50.00	28.35	56.7	50 - 110
Chrysene	50.00	32.62	65.2	55 - 110
Dibenz(a,h)anthracene	50.00	32.75	65.5	40 - 125
Dibenzofuran	**50.00**	**25.13**	**50.3**	**55 - 105**
Di-n-butylphthalate	50.00	35.48	71.0	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31012	Laboratory ID:	2G31012-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	27.27	54.5	20 - 110
2,4-Dichlorophenol	100.0	59.40	59.4	40 - 110
Diethylphthalate	50.00	32.50	65.0	40 - 120
2,4-Dimethylphenol	100.0	59.61	59.6	30 - 110
Dimethyl phthalate	50.00	31.56	63.1	25 - 125
4,6-Dinitro-2-methylphenol	100.0	69.42	69.4	40 - 130
2,4-Dinitrophenol	100.0	62.71	62.7	15 - 140
2,4-Dinitrotoluene	50.00	30.77	61.5	50 - 120
2,6-Dinitrotoluene	50.00	29.24	58.5	50 - 115
Di-n-octylphthalate	50.00	35.46	70.9	35 - 135
1,2-Diphenylhydrazine	50.00	35.86	71.7	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	35.20	70.4	40 - 125
Fluoranthene	50.00	33.24	66.5	55 - 115
Fluorene	50.00	28.36	56.7	50 - 110
Hexachlorobenzene	50.00	29.81	59.6	50 - 110
Hexachlorobutadiene	50.00	13.65	27.3	25 - 105
Hexachlorocyclopentadiene	50.00	12.78	25.6	10 - 110
Hexachloroethane	50.00	15.45	30.9	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	32.73	65.5	45 - 125
Isophorone	**50.00**	**24.41**	**48.8**	**50 - 110**
1-Methylnaphthalene	50.00	24.61	49.2	30 - 115
2-Methylnaphthalene	**50.00**	**20.75**	**41.5**	**45 - 105**
2-Methylphenol	100.0	47.69	47.7	40 - 110
3-Methylphenol/4-Methylphenol	100.0	44.90	44.9	30 - 110
Naphthalene	50.00	21.80	43.6	40 - 100
4-Nitroaniline	50.00	36.07	72.1	35 - 120
3-Nitroaniline	50.00	33.68	67.4	20 - 125
2-Nitroaniline	50.00	39.89	79.8	50 - 115
Nitrobenzene	50.00	24.42	48.8	30 - 110
4-Nitrophenol	100.0	19.56	19.6	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31012	Laboratory ID:	2G31012-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	62.97	63.0	40 - 115
N-Nitrosodiphenylamine	50.00	26.84	53.7	50 - 110
N-Nitroso-di-n-propylamine	50.00	32.55	65.1	35 - 130
Pentachlorophenol	100.0	64.81	64.8	40 - 115
Phenanthrene	50.00	33.07	66.1	50 - 115
Phenol	100.0	18.07	18.1	0 - 115
Pyrene	50.00	34.75	69.5	50 - 130
2,4,6-Trichlorophenol	100.0	65.01	65.0	50 - 115
2,4,5-Trichlorophenol	100.0	66.07	66.1	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	28.97	57.9	15.9	30	45 - 110
Acenaphthylene	50.00	30.64	61.3	13.9	30	50 - 105
Acetophenone	50.00	33.84	67.7	0.444	30	50 - 110
Anthracene	50.00	34.19	68.4	2.33	30	55 - 110
Atrazine	50.00	35.55	71.1	8.57	30	70 - 115
Benzaldehyde	50.00	29.58	59.2	3.07	30	10 - 180
Benzidine	50.00	13.08	26.2	64.1 *	30	0 - 200
Benzo(a)anthracene	50.00	34.59	69.2	6.29	30	55 - 110
Benzo(a)pyrene	50.00	34.43	68.9	5.38	30	55 - 110
Benzo(b)fluoranthene	50.00	34.26	68.5	8.22	30	45 - 120
Benzo(g,h,i)perylene	50.00	35.27	70.5	5.24	30	40 - 125
Benzoic acid	100.0	14.13	14.1	6.89	30	0 - 125
Benzo(k)fluoranthene	50.00	37.67	75.3	4.41	30	45 - 125
1,1-Biphenyl	50.00	36.42	72.8	10.7	30	50 - 110
4-Bromophenyl-phenylether	50.00	31.22	62.4	3.00	30	50 - 115
Butylbenzylphthalate	50.00	40.91	81.8	9.98	30	45 - 115
Caprolactam	50.00	5.425	10.9	7.17	30	10 - 110
Carbazole	50.00	43.14	86.3	7.17	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31012	Laboratory ID:	2G31012-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	62.84	62.8	2.52	30	45 - 110
4-Chloroaniline	50.00	34.84	69.7	5.89	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	27.41	54.8	2.78	30	45 - 105
Bis(2-chloroethyl)ether	50.00	25.91	51.8	0.0108	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	32.86	65.7	1.67	30	25 - 130
2-Chloronaphthalene	50.00	25.98	52.0	21.9	30	50 - 105
2-Chlorophenol	100.0	58.34	58.3	2.09	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	30.54	61.1	7.44	30	50 - 110
Chrysene	50.00	35.66	71.3	8.90	30	55 - 110
Dibenz(a,h)anthracene	50.00	34.93	69.9	6.44	30	40 - 125
Dibenzofuran	50.00	29.89	59.8	17.3	30	55 - 105
Di-n-butylphthalate	50.00	39.34	78.7	10.3	30	55 - 115
3,3'-Dichlorobenzidine	50.00	30.50	61.0	11.2	30	20 - 110
2,4-Dichlorophenol	100.0	62.05	62.0	4.36	30	40 - 110
Diethylphthalate	50.00	36.21	72.4	10.8	30	40 - 120
2,4-Dimethylphenol	100.0	59.10	59.1	0.867	30	30 - 110
Dimethyl phthalate	50.00	34.83	69.7	9.84	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	73.67	73.7	5.95	30	40 - 130
2,4-Dinitrophenol	100.0	66.84	66.8	6.37	30	15 - 140
2,4-Dinitrotoluene	50.00	34.62	69.2	11.8	30	50 - 120
2,6-Dinitrotoluene	50.00	31.24	62.5	6.64	30	50 - 115
Di-n-octylphthalate	50.00	38.58	77.2	8.43	30	35 - 135
1,2-Diphenylhydrazine	50.00	37.54	75.1	4.58	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	37.49	75.0	6.29	30	40 - 125
Fluoranthene	50.00	35.05	70.1	5.32	30	55 - 115
Fluorene	50.00	31.45	62.9	10.3	30	50 - 110
Hexachlorobenzene	50.00	30.95	61.9	3.74	30	50 - 110
Hexachlorobutadiene	50.00	15.77	31.5	14.4	30	25 - 105
Hexachlorocyclopentadiene	50.00	16.33	32.7	24.4	30	10 - 110
Hexachloroethane	50.00	15.72	31.4	1.72	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31012	Laboratory ID:	2G31012-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	35.27	70.5	7.46	30	45 - 125
Isophorone	50.00	25.86	51.7	5.75	30	50 - 110
1-Methylnaphthalene	50.00	27.00	54.0	9.24	30	30 - 115
2-Methylnaphthalene	50.00	23.21	46.4	11.2	30	45 - 105
2-Methylphenol	100.0	46.46	46.5	2.60	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	41.38	41.4	8.17	30	30 - 110
Naphthalene	50.00	23.97	47.9	9.48	30	40 - 100
4-Nitroaniline	50.00	41.38	82.8	13.7	30	35 - 120
3-Nitroaniline	50.00	38.66	77.3	13.8	30	20 - 125
2-Nitroaniline	50.00	43.57	87.1	8.82	30	50 - 115
Nitrobenzene	50.00	26.13	52.3	6.74	30	30 - 110
4-Nitrophenol	100.0	20.54	20.5	4.91	30	0 - 125
2-Nitrophenol	100.0	67.94	67.9	7.59	30	40 - 115
N-Nitrosodiphenylamine	50.00	28.44	56.9	5.78	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	31.93	63.9	1.94	30	35 - 130
Pentachlorophenol	100.0	68.99	69.0	6.24	30	40 - 115
Phenanthrene	50.00	34.96	69.9	5.55	30	50 - 115
Phenol	100.0	16.73	16.7	7.71	30	0 - 115
Pyrene	50.00	36.61	73.2	5.20	30	50 - 130
2,4,6-Trichlorophenol	100.0	71.70	71.7	9.79	30	50 - 115
2,4,5-Trichlorophenol	100.0	75.11	75.1	12.8	30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	48.04	ND	39.35	81.9		45 - 110
Acenaphthylene	48.04	ND	42.25	87.9		50 - 105
Acetophenone	49.02	ND	45.14	92.1		50 - 110
Anthracene	48.04	ND	41.86	87.1		55 - 110
Atrazine	49.02	ND	48.13	98.2		70 - 115
Benzaldehyde	49.02	ND	42.82	87.4		10 - 180
Benzidine	49.02	ND	98.0 U	0		0 - 200
Benzo(a)anthracene	48.04	ND	43.63	90.8		55 - 110
Benzo(a)pyrene	48.04	ND	43.77	91.1		55 - 110
Benzo(b)fluoranthene	48.04	ND	47.75	99.4		45 - 120
Benzo(g,h,i)perylene	48.04	ND	46.45	96.7		40 - 125
Benzoic acid	98.04	ND	98.0 U	0		0 - 125
Benzo(k)fluoranthene	48.04	ND	44.31	92.2		45 - 125
1,1-Biphenyl	49.02	ND	51.27	105		50 - 110
4-Bromophenyl-phenylether	48.04	ND	40.84	85.0		50 - 115
Butylbenzylphthalate	48.04	ND	50.49	105		45 - 115
Caprolactam	49.02	ND	9.147	18.7		10 - 110
Carbazole	49.02	ND	50.25	103		50 - 115
4-Chloro-3-methylphenol	98.04	ND	85.88	87.6		45 - 110
4-Chloroaniline	49.02	ND	40.37	82.4		15 - 110
Bis(2-chloroethoxy)methane	48.04	ND	42.86	89.2		45 - 105
Bis(2-chloroethyl)ether	48.04	ND	38.80	80.8		35 - 110
2,2'-Oxybis-1-chloropropane	48.04	ND	48.45	101		25 - 130
2-Chloronaphthalene	48.04	ND	38.87	80.9		50 - 105
2-Chlorophenol	98.04	ND	79.05	80.6		35 - 105
4-Chlorophenyl phenyl ether	48.04	ND	40.29	83.9		50 - 110
Chrysene	48.04	ND	43.15	89.8		55 - 110
Dibenz(a,h)anthracene	48.04	ND	45.22	94.1		40 - 125
Dibenzofuran	48.04	ND	39.20	81.6		55 - 105
Di-n-butylphthalate	48.04	ND	45.73	95.2		55 - 115
3,3'-Dichlorobenzidine	49.02	ND	42.64	87.0		20 - 110
2,4-Dichlorophenol	98.04	ND	86.95	88.7		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	48.04	ND	42.19	87.8		40 - 120
2,4-Dimethylphenol	98.04	ND	84.63	86.3		30 - 110
Dimethyl phthalate	48.04	ND	44.12	91.8		25 - 125
4,6-Dinitro-2-methylphenol	98.04	ND	86.32	88.1		40 - 130
2,4-Dinitrophenol	98.04	ND	64.52	65.8		15 - 140
2,4-Dinitrotoluene	48.04	ND	40.49	84.3		50 - 120
2,6-Dinitrotoluene	48.04	ND	39.85	83.0		50 - 115
Di-n-octylphthalate	48.04	ND	48.65	101		35 - 135
1,2-Diphenylhydrazine	49.02	ND	49.19	100		55 - 115
Bis(2-ethylhexyl)phthalate	48.04	ND	48.43	101		40 - 125
Fluoranthene	48.04	ND	41.95	87.3		55 - 115
Fluorene	48.04	ND	42.29	88.0		50 - 110
Hexachlorobenzene	48.04	ND	42.03	87.5		50 - 110
Hexachlorobutadiene	48.04	ND	29.97	62.4		25 - 105
Hexachlorocyclopentadiene	48.04	ND	22.95	47.8		10 - 110
Hexachloroethane	48.04	ND	31.05	64.6		30 - 95
Indeno(1,2,3-cd)pyrene	48.04	ND	45.96	95.7		45 - 125
Isophorone	48.04	ND	34.07	70.9		50 - 110
1-Methylnaphthalene	49.02	ND	41.59	84.8		30 - 115
2-Methylnaphthalene	48.04	ND	36.05	75.0		45 - 105
2-Methylphenol	98.04	ND	66.28	67.6		40 - 110
3-Methylphenol/4-Methylphenol	98.04	ND	59.88	61.1		30 - 110
Naphthalene	48.04	ND	39.45	82.1		40 - 100
4-Nitroaniline	49.02	ND	49.04	100		35 - 120
3-Nitroaniline	49.02	ND	42.06	85.8		20 - 125
2-Nitroaniline	49.02	ND	53.80	110		50 - 115
Nitrobenzene	48.04	ND	38.48	80.1		30 - 110
4-Nitrophenol	98.04	ND	30.07	30.7		0 - 125
2-Nitrophenol	98.04	ND	91.55	93.4		40 - 115
N-Nitrosodiphenylamine	48.04	ND	36.05	75.0		50 - 110
N-Nitroso-di-n-propylamine	48.04	ND	43.86	91.3		35 - 130
Pentachlorophenol	98.04	ND	90.64	92.4		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	48.04	ND	44.75	93.1		50 - 115
Phenol	98.04	ND	24.99	25.5		0 - 115
Pyrene	48.04	ND	46.20	96.2		50 - 130
2,4,6-Trichlorophenol	98.04	ND	89.22	91.0		50 - 115
2,4,5-Trichlorophenol	98.04	ND	97.22	99.2		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	48.04	36.91	76.8	6.41		30	45 - 110
Acenaphthylene	48.04	39.03	81.2	7.93		30	50 - 105
Acetophenone	49.02	40.63	82.9	10.5		30	50 - 110
Anthracene	48.04	45.37	94.4	8.04		30	55 - 110
Atrazine	49.02	49.53	101	2.87		30	70 - 115
Benzaldehyde	49.02	37.93	77.4	12.1		30	10 - 180
Benzidine	49.02	98.0 U	0			30	0 - 200
Benzo(a)anthracene	48.04	44.14	91.9	1.17		30	55 - 110
Benzo(a)pyrene	48.04	43.12	89.8	1.50		30	55 - 110
Benzo(b)fluoranthene	48.04	45.38	94.5	5.08		30	45 - 120
Benzo(g,h,i)perylene	48.04	44.90	93.5	3.39		30	40 - 125
Benzoic acid	98.04	98.0 U	0			30	0 - 125
Benzo(k)fluoranthene	48.04	44.84	93.3	1.20		30	45 - 125
1,1-Biphenyl	49.02	47.42	96.7	7.80		30	50 - 110
4-Bromophenyl-phenylether	48.04	41.64	86.7	1.95		30	50 - 115
Butylbenzylphthalate	48.04	52.36	109	3.64		30	45 - 115
Caprolactam	49.02	8.744	17.8	4.51		30	10 - 110
Carbazole	49.02	50.81	104	1.12		30	50 - 115
4-Chloro-3-methylphenol	98.04	78.45	80.0	9.05		30	45 - 110
4-Chloroaniline	49.02	38.73	79.0	4.15		30	15 - 110
Bis(2-chloroethoxy)methane	48.04	37.84	78.8	12.4		30	45 - 105
Bis(2-chloroethyl)ether	48.04	34.34	71.5	12.2		30	35 - 110
2,2'-Oxybis-1-chloropropane	48.04	42.87	89.2	12.2		30	25 - 130
2-Chloronaphthalene	48.04	34.77	72.4	11.1		30	50 - 105
2-Chlorophenol	98.04	69.85	71.2	12.4		30	35 - 105
4-Chlorophenyl phenyl ether	48.04	39.69	82.6	1.49		30	50 - 110
Chrysene	48.04	44.43	92.5	2.94		30	55 - 110
Dibenz(a,h)anthracene	48.04	44.01	91.6	2.73		30	40 - 125
Dibenzofuran	48.04	36.60	76.2	6.86		30	55 - 105
Di-n-butylphthalate	48.04	48.14	100	5.14		30	55 - 115
3,3'-Dichlorobenzidine	49.02	45.81	93.5	7.17		30	20 - 110
2,4-Dichlorophenol	98.04	79.82	81.4	8.54		30	40 - 110
Diethylphthalate	48.04	42.30	88.1	0.283		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	98.04	75.17	76.7	11.8		30	30 - 110
Dimethyl phthalate	48.04	42.34	88.1	4.11		30	25 - 125
4,6-Dinitro-2-methylphenol	98.04	90.67	92.5	4.91		30	40 - 130
2,4-Dinitrophenol	98.04	67.11	68.5	3.93		30	15 - 140
2,4-Dinitrotoluene	48.04	41.58	86.6	2.65		30	50 - 120
2,6-Dinitrotoluene	48.04	41.49	86.4	4.04		30	50 - 115
Di-n-octylphthalate	48.04	47.50	98.9	2.39		30	35 - 135
1,2-Diphenylhydrazine	49.02	49.50	101	0.623		30	55 - 115
Bis(2-ethylhexyl)phthalate	48.04	51.32	107	5.79		30	40 - 125
Fluoranthene	48.04	43.56	90.7	3.76		30	55 - 115
Fluorene	48.04	40.87	85.1	3.41		30	50 - 110
Hexachlorobenzene	48.04	41.30	86.0	1.74		30	50 - 110
Hexachlorobutadiene	48.04	26.56	55.3	12.1		30	25 - 105
Hexachlorocyclopentadiene	48.04	18.19	37.9	23.2		30	10 - 110
Hexachloroethane	48.04	25.13	52.3	21.1		30	30 - 95
Indeno(1,2,3-cd)pyrene	48.04	44.25	92.1	3.78		30	45 - 125
Isophorone	48.04	31.94	66.5	6.44		30	50 - 110
1-Methylnaphthalene	49.02	37.25	76.0	11.0		30	30 - 115
2-Methylnaphthalene	48.04	32.13	66.9	11.5		30	45 - 105
2-Methylphenol	98.04	57.70	58.8	13.8		30	40 - 110
3-Methylphenol/4-Methylphenol	98.04	50.96	52.0	16.1		30	30 - 110
Naphthalene	48.04	34.20	71.2	14.2		30	40 - 100
4-Nitroaniline	49.02	47.87	97.6	2.43		30	35 - 120
3-Nitroaniline	49.02	43.73	89.2	3.88		30	20 - 125
2-Nitroaniline	49.02	54.18	111	0.704		30	50 - 115
Nitrobenzene	48.04	35.18	73.2	8.94		30	30 - 110
4-Nitrophenol	98.04	26.80	27.3	11.5		30	0 - 125
2-Nitrophenol	98.04	82.31	84.0	10.6		30	40 - 115
N-Nitrosodiphenylamine	48.04	36.96	76.9	2.49		30	50 - 110
N-Nitroso-di-n-propylamine	48.04	38.90	81.0	12.0		30	35 - 130
Pentachlorophenol	98.04	96.54	98.5	6.31		30	40 - 115
Phenanthrene	48.04	46.21	96.2	3.22		30	50 - 115
Phenol	98.04	21.40	21.8	15.5		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	48.04	46.93	97.7	1.58		30	50 - 130
2,4,6-Trichlorophenol	98.04	83.81	85.5	6.25		30	50 - 115
2,4,5-Trichlorophenol	98.04	87.13	88.9	10.9		30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27016

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	46.23	ND	35.66	77.1		45 - 110
Acenaphthylene	46.23	ND	38.14	82.5		50 - 105
Acetophenone	47.17	518.4	584.3	140	*	50 - 110
Anthracene	46.23	ND	48.64	105		55 - 110
Atrazine	47.17	ND	48.11	102		70 - 115
Benzaldehyde	47.17	5.082	43.62	81.7		10 - 180
Benzidine	47.17	ND	94.3 U	0		0 - 200
Benzo(a)anthracene	46.23	ND	43.53	94.2		55 - 110
Benzo(a)pyrene	46.23	ND	44.01	95.2		55 - 110
Benzo(b)fluoranthene	46.23	ND	48.21	104		45 - 120
Benzo(g,h,i)perylene	46.23	ND	44.99	97.3		40 - 125
Benzoic acid	94.34	ND	23.00	24.4		0 - 125
Benzo(k)fluoranthene	46.23	ND	43.26	93.6		45 - 125
1,1-Biphenyl	47.17	ND	40.62	86.1		50 - 110
4-Bromophenyl-phenylether	46.23	ND	46.65	101		50 - 115
Butylbenzylphthalate	46.23	ND	51.41	111		45 - 115
Caprolactam	47.17	ND	9.397	19.9		10 - 110
Carbazole	47.17	ND	57.06	121	*	50 - 115
4-Chloro-3-methylphenol	94.34	ND	61.00	64.7		45 - 110
4-Chloroaniline	47.17	ND	26.14	55.4		15 - 110
Bis(2-chloroethoxy)methane	46.23	ND	38.43	83.1		45 - 105
Bis(2-chloroethyl)ether	46.23	ND	36.19	78.3		35 - 110
2,2'-Oxybis-1-chloropropane	46.23	ND	43.98	95.1		25 - 130
2-Chloronaphthalene	46.23	ND	34.32	74.2		50 - 105
2-Chlorophenol	94.34	ND	66.77	70.8		35 - 105
4-Chlorophenyl phenyl ether	46.23	ND	38.21	82.7		50 - 110
Chrysene	46.23	ND	44.09	95.4		55 - 110
Dibenz(a,h)anthracene	46.23	ND	44.61	96.5		40 - 125
Dibenzofuran	46.23	ND	35.53	76.9		55 - 105
Di-n-butylphthalate	46.23	ND	54.41	118	*	55 - 115
3,3'-Dichlorobenzidine	47.17	ND	7.670	16.3	*	20 - 110
2,4-Dichlorophenol	94.34	ND	53.11	56.3		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27016

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	46.23	ND	46.61	101		40 - 120
2,4-Dimethylphenol	94.34	ND	19.65	20.8	*	30 - 110
Dimethyl phthalate	46.23	ND	40.66	88.0		25 - 125
4,6-Dinitro-2-methylphenol	94.34	ND	59.66	63.2		40 - 130
2,4-Dinitrophenol	94.34	ND	36.49	38.7		15 - 140
2,4-Dinitrotoluene	46.23	ND	39.37	85.2		50 - 120
2,6-Dinitrotoluene	46.23	ND	36.90	79.8		50 - 115
Di-n-octylphthalate	46.23	ND	49.84	108		35 - 135
1,2-Diphenylhydrazine	47.17	ND	54.59	116	*	55 - 115
Bis(2-ethylhexyl)phthalate	46.23	ND	48.55	105		40 - 125
Fluoranthene	46.23	ND	49.29	107		55 - 115
Fluorene	46.23	ND	40.36	87.3		50 - 110
Hexachlorobenzene	46.23	ND	45.73	98.9		50 - 110
Hexachlorobutadiene	46.23	ND	26.16	56.6		25 - 105
Hexachlorocyclopentadiene	46.23	ND	17.46	37.8		10 - 110
Hexachloroethane	46.23	ND	28.06	60.7		30 - 95
Indeno(1,2,3-cd)pyrene	46.23	ND	44.33	95.9		45 - 125
Isophorone	46.23	ND	30.89	66.8		50 - 110
1-Methylnaphthalene	47.17	ND	43.73	92.7		30 - 115
2-Methylnaphthalene	46.23	ND	37.87	81.9		45 - 105
2-Methylphenol	94.34	ND	48.37	51.3		40 - 110
3-Methylphenol/4-Methylphenol	94.34	ND	43.96	46.6		30 - 110
Naphthalene	46.23	19.77	41.78	47.6		40 - 100
4-Nitroaniline	47.17	ND	39.38	83.5		35 - 120
3-Nitroaniline	47.17	ND	31.43	66.6		20 - 125
2-Nitroaniline	47.17	ND	45.79	97.1		50 - 115
Nitrobenzene	46.23	ND	30.70	66.4		30 - 110
4-Nitrophenol	94.34	ND	17.93	19.0		0 - 125
2-Nitrophenol	94.34	ND	67.72	71.8		40 - 115
N-Nitrosodiphenylamine	46.23	ND	42.59	92.1		50 - 110
N-Nitroso-di-n-propylamine	46.23	ND	52.30	113		35 - 130
Pentachlorophenol	94.34	ND	71.42	75.7		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27016

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	46.23	ND	49.71	108		50 - 115
Phenol	94.34	ND	17.90	19.0		0 - 115
Pyrene	46.23	ND	44.87	97.1		50 - 130
2,4,6-Trichlorophenol	94.34	ND	63.43	67.2		50 - 115
2,4,5-Trichlorophenol	94.34	ND	70.83	75.1		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27016

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	46.23	33.49	72.5	6.26		30	45 - 110
Acenaphthylene	46.23	35.97	77.8	5.85		30	50 - 105
Acetophenone	47.17	546.5	59.6	6.69		30	50 - 110
Anthracene	46.23	50.01	108	2.78		30	55 - 110
Atrazine	47.17	44.65	94.7	7.46		30	70 - 115
Benzaldehyde	47.17	42.35	79.0	2.96		30	10 - 180
Benzidine	47.17	94.3 U	0			30	0 - 200
Benzo(a)anthracene	46.23	43.12	93.3	0.944		30	55 - 110
Benzo(a)pyrene	46.23	43.18	93.4	1.90		30	55 - 110
Benzo(b)fluoranthene	46.23	45.40	98.2	5.99		30	45 - 120
Benzo(g,h,i)perylene	46.23	44.11	95.4	1.96		30	40 - 125
Benzoic acid	94.34	23.79	25.2	3.35		30	0 - 125
Benzo(k)fluoranthene	46.23	43.80	94.8	1.25		30	45 - 125
1,1-Biphenyl	47.17	36.80	78.0	9.87		30	50 - 110
4-Bromophenyl-phenylether	46.23	47.12	102	1.00		30	50 - 115
Butylbenzylphthalate	46.23	51.55	112	0.290		30	45 - 115
Caprolactam	47.17	9.848	20.9	4.68		30	10 - 110
Carbazole	47.17	57.57	122	0.893	*	30	50 - 115
4-Chloro-3-methylphenol	94.34	65.96	69.9	7.82		30	45 - 110
4-Chloroaniline	47.17	25.73	54.5	1.61		30	15 - 110
Bis(2-chloroethoxy)methane	46.23	49.80	108	25.8	*	30	45 - 105
Bis(2-chloroethyl)ether	46.23	36.11	78.1	0.227		30	35 - 110
2,2'-Oxybis-1-chloropropane	46.23	41.63	90.0	5.49		30	25 - 130
2-Chloronaphthalene	46.23	31.69	68.6	7.96		30	50 - 105
2-Chlorophenol	94.34	72.36	76.7	8.05		30	35 - 105
4-Chlorophenyl phenyl ether	46.23	36.14	78.2	5.58		30	50 - 110
Chrysene	46.23	45.97	99.4	4.17		30	55 - 110
Dibenz(a,h)anthracene	46.23	43.70	94.5	2.05		30	40 - 125
Dibenzofuran	46.23	33.99	73.5	4.43		30	55 - 105
Di-n-butylphthalate	46.23	54.68	118	0.505	*	30	55 - 115
3,3'-Dichlorobenzidine	47.17	3.706	7.86	69.7	* *	30	20 - 110
2,4-Dichlorophenol	94.34	56.97	60.4	7.02		30	40 - 110
Diethylphthalate	46.23	46.98	102	0.778		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27016

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	94.34	20.83	22.1	5.83	*	30	30 - 110
Dimethyl phthalate	46.23	40.10	86.7	1.40		30	25 - 125
4,6-Dinitro-2-methylphenol	94.34	74.63	79.1	22.3		30	40 - 130
2,4-Dinitrophenol	94.34	45.37	48.1	21.7		30	15 - 140
2,4-Dinitrotoluene	46.23	41.01	88.7	4.08		30	50 - 120
2,6-Dinitrotoluene	46.23	38.34	82.9	3.83		30	50 - 115
Di-n-octylphthalate	46.23	48.38	105	2.97		30	35 - 135
1,2-Diphenylhydrazine	47.17	55.94	119	2.45	*	30	55 - 115
Bis(2-ethylhexyl)phthalate	46.23	49.35	107	1.63		30	40 - 125
Fluoranthene	46.23	48.95	106	0.687		30	55 - 115
Fluorene	46.23	38.60	83.5	4.45		30	50 - 110
Hexachlorobenzene	46.23	45.88	99.2	0.327		30	50 - 110
Hexachlorobutadiene	46.23	25.41	55.0	2.92		30	25 - 105
Hexachlorocyclopentadiene	46.23	14.74	31.9	16.9		30	10 - 110
Hexachloroethane	46.23	26.46	57.2	5.88		30	30 - 95
Indeno(1,2,3-cd)pyrene	46.23	43.82	94.8	1.15		30	45 - 125
Isophorone	46.23	29.61	64.1	4.20		30	50 - 110
1-Methylnaphthalene	47.17	42.71	90.5	2.37		30	30 - 115
2-Methylnaphthalene	46.23	37.72	81.6	0.398		30	45 - 105
2-Methylphenol	94.34	51.26	54.3	5.80		30	40 - 110
3-Methylphenol/4-Methylphenol	94.34	47.84	50.7	8.46		30	30 - 110
Naphthalene	46.23	45.42	55.5	8.34		30	40 - 100
4-Nitroaniline	47.17	36.44	77.2	7.76		30	35 - 120
3-Nitroaniline	47.17	28.00	59.4	11.6		30	20 - 125
2-Nitroaniline	47.17	50.98	108	10.7		30	50 - 115
Nitrobenzene	46.23	34.18	73.9	10.7		30	30 - 110
4-Nitrophenol	94.34	14.95	15.8	18.2		30	0 - 125
2-Nitrophenol	94.34	79.84	84.6	16.4		30	40 - 115
N-Nitrosodiphenylamine	46.23	44.27	95.8	3.89		30	50 - 110
N-Nitroso-di-n-propylamine	46.23	51.53	111	1.48		30	35 - 130
Pentachlorophenol	94.34	89.24	94.6	22.2		30	40 - 115
Phenanthrene	46.23	51.27	111	3.09		30	50 - 115
Phenol	94.34	20.13	21.3	11.7		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27016

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	46.23	44.78	96.9	0.185		30	50 - 130
2,4,6-Trichlorophenol	94.34	69.36	73.5	8.94		30	50 - 115
2,4,5-Trichlorophenol	94.34	77.26	81.9	8.68		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G26004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/26/12 15:05	1,020.00	1.00
GW0666	1207130-03	07/26/12 15:05	1,020.00	1.00
GW0671	1207130-05	07/26/12 15:05	1,080.00	1.00
GW0673	1207130-07	07/26/12 15:05	1,040.00	1.00
GW0717	1207130-09	07/26/12 15:05	1,060.00	1.00
GW0718	1207130-11	07/26/12 15:05	1,040.00	1.00
GW0719	1207130-13	07/26/12 15:05	1,040.00	1.00
GW0742	1207130-15	07/26/12 15:05	1,020.00	1.00
Blank	2G26004-BLK1	07/26/12 15:05	1,000.00	1.00
LCS	2G26004-BS1	07/26/12 15:05	1,000.00	1.00
GW0671	2G26004-MS1	07/26/12 15:05	1,020.00	1.00
GW0671	2G26004-MSD1	07/26/12 15:05	1,020.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G27016 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0665	1207138-01	07/30/12 14:03	1,040.00	1.00
GW0684	1207138-03	07/30/12 14:03	1,060.00	1.00
GW0692	1207138-05	07/30/12 14:03	1,070.00	1.00
GW0693	1207138-07	07/30/12 14:03	1,040.00	1.00
GW0693	1207138-07RE1	07/30/12 14:03	1,040.00	1.00
GW0703	1207138-09	07/30/12 14:03	1,080.00	1.00
GW0740	1207138-11	07/30/12 14:03	1,060.00	1.00
GW0741	1207138-13	07/30/12 14:03	1,070.00	1.00
Blank	2G27016-BLK1	07/30/12 14:03	1,000.00	1.00
LCS	2G27016-BS1	07/30/12 14:03	1,000.00	1.00
GW0693	2G27016-MS2	07/30/12 14:03	1,060.00	1.00
GW0693	2G27016-MSD2	07/30/12 14:03	1,060.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G31012 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	08/01/12 14:04	1,020.00	1.00
GW0675	1207152-03	08/01/12 14:04	950.00	1.00
GW0676	1207152-05	08/01/12 14:04	1,080.00	1.00
GW0681	1207152-07	08/01/12 14:04	1,040.00	1.00
GW0682	1207152-09	08/01/12 14:04	1,000.00	1.00
GW0683	1207152-11	08/01/12 14:04	1,020.00	1.00
GW0690	1207152-13	08/01/12 14:04	1,010.00	1.00
GW0691	1207152-15	08/01/12 14:04	1,000.00	1.00
GW0700	1207152-17	08/01/12 14:04	950.00	1.00
Blank	2G31012-BLK1	08/01/12 14:04	1,000.00	1.00
LCS	2G31012-BS1	08/01/12 14:04	1,000.00	1.00
LCS Dup	2G31012-BSD1	08/01/12 14:04	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/31/12
Instrument ID:	MS-BNA1	Injection Time:	17:57
Sequence:	2F15401	Lab Sample ID:	2F15401-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	45	PASS
68	Less than 2% of 69	1.69	PASS
69	Less than 200% of 198	63.1	PASS
70	Less than 2% of 69	0.87	PASS
127	40 - 60% of 198	51	PASS
197	Less than 1% of 198	0.546	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.32	PASS
275	10 - 30% of 198	18.3	PASS
365	1 - 200% of 198	1.92	PASS
441	0.001 - 100% of 443	77.9	PASS
442	40 - 200% of 198	70.6	PASS
443	17 - 23% of 442	18.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	06/01/12
Instrument ID:	MS-BNA1	Injection Time:	16:21
Sequence:	2F15401	Lab Sample ID:	2F15401-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.8	PASS
68	Less than 2% of 69	1.57	PASS
69	Less than 200% of 198	61.3	PASS
70	Less than 2% of 69	1.29	PASS
127	40 - 60% of 198	50.3	PASS
197	Less than 1% of 198	0.0816	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.99	PASS
275	10 - 30% of 198	19	PASS
365	1 - 200% of 198	2	PASS
441	0.001 - 100% of 443	72.1	PASS
442	40 - 200% of 198	76	PASS
443	17 - 23% of 442	19.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	06/04/12
Instrument ID:	MS-BNA1	Injection Time:	13:05
Sequence:	2F15401	Lab Sample ID:	2F15401-TUN3

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.4	PASS
68	Less than 2% of 69	0.682	PASS
69	Less than 200% of 198	62.2	PASS
70	Less than 2% of 69	0.95	PASS
127	40 - 60% of 198	52.3	PASS
197	Less than 1% of 198	0.0494	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.36	PASS
275	10 - 30% of 198	18.7	PASS
365	1 - 200% of 198	2.06	PASS
441	0.001 - 100% of 443	73.7	PASS
442	40 - 200% of 198	74.7	PASS
443	17 - 23% of 442	18.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/01/12
Instrument ID:	MS-BNA1	Injection Time:	11:05
Sequence:	2H21507	Lab Sample ID:	2H21507-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	32.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	49	PASS
70	Less than 2% of 69	0.838	PASS
127	40 - 60% of 198	46.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.09	PASS
275	10 - 30% of 198	18.3	PASS
365	1 - 200% of 198	1.81	PASS
441	0.001 - 100% of 443	72.7	PASS
442	40 - 200% of 198	72	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/07/12
Instrument ID:	MS-BNA1	Injection Time:	15:33
Sequence:	2H22112	Lab Sample ID:	2H22112-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	34.3	PASS
68	Less than 2% of 69	1.89	PASS
69	Less than 200% of 198	53	PASS
70	Less than 2% of 69	0.572	PASS
127	40 - 60% of 198	50.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.42	PASS
275	10 - 30% of 198	19.7	PASS
365	1 - 200% of 198	2.06	PASS
441	0.001 - 100% of 443	77.9	PASS
442	40 - 200% of 198	75.2	PASS
443	17 - 23% of 442	20.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/09/12
Instrument ID:	MS-BNA1	Injection Time:	13:48
Sequence:	2H22605	Lab Sample ID:	2H22605-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.6	PASS
68	Less than 2% of 69	0.567	PASS
69	Less than 200% of 198	71	PASS
70	Less than 2% of 69	0.549	PASS
127	40 - 60% of 198	56.8	PASS
197	Less than 1% of 198	0.0345	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.89	PASS
275	10 - 30% of 198	17.5	PASS
365	1 - 200% of 198	1.81	PASS
441	0.001 - 100% of 443	68.7	PASS
442	40 - 200% of 198	72	PASS
443	17 - 23% of 442	20.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/13/12
Instrument ID:	MS-BNA1	Injection Time:	14:12
Sequence:	2H22708	Lab Sample ID:	2H22708-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	53	PASS
70	Less than 2% of 69	0.466	PASS
127	40 - 60% of 198	53	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.68	PASS
275	10 - 30% of 198	17.8	PASS
365	1 - 200% of 198	1.82	PASS
441	0.001 - 100% of 443	69.4	PASS
442	40 - 200% of 198	56.6	PASS
443	17 - 23% of 442	20	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2F15401	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2F15401-TUN1	SEQ-TUN1.D	05/31/12 17:57
Cal Standard	2F15401-CAL1	SEQ-CAL1.D	05/31/12 18:21
Cal Standard	2F15401-CAL2	SEQ-CAL2.D	05/31/12 18:49
Cal Standard	2F15401-CAL3	SEQ-CAL3.D	05/31/12 19:17
Cal Standard	2F15401-CAL4	SEQ-CAL4.D	05/31/12 19:44
Cal Standard	2F15401-CAL5	SEQ-CAL5.D	05/31/12 20:12
Cal Standard	2F15401-CAL6	SEQ-CAL6.D	05/31/12 20:40
Cal Standard	2F15401-CAL7	SEQ-CAL7.D	05/31/12 21:07
Cal Standard	2F15401-CAL8	SEQ-CAL8.D	05/31/12 21:35
Cal Standard	2F15401-CAL9	SEQ-CAL9.D	05/31/12 22:02
Cal Standard	2F15401-CALA	SEQ-CALA.D	05/31/12 22:30
Cal Standard	2F15401-CALB	SEQ-CALB.D	05/31/12 22:58
Cal Standard	2F15401-CALC	SEQ-CALC.D	05/31/12 23:25
Cal Standard	2F15401-CALD	SEQ-CALD.D	05/31/12 23:53
Cal Standard	2F15401-CALE	SEQ-CALE.D	06/01/12 00:21
Cal Standard	2F15401-CALF	SEQ-CALF.D	06/01/12 00:49
Cal Standard	2F15401-CALG	SEQ-CALG.D	06/01/12 01:16
Initial Cal Check	2F15401-ICV1	SEQ-ICV1.D	06/01/12 01:44
Initial Cal Check	2F15401-ICV2	SEQ-ICV2.D	06/01/12 02:12
MS Tune	2F15401-TUN2	SEQ-TUN2.D	06/01/12 16:21
Initial Cal Check	2F15401-ICV3	SEQ-ICV3.D	06/01/12 16:44
Initial Cal Check	2F15401-ICV4	SEQ-ICV4.D	06/01/12 17:11
MS Tune	2F15401-TUN3	SEQ-TUN1.D	06/04/12 13:05
Initial Cal Check	2F15401-ICV5	SEQ-ICV6.D	06/04/12 15:03

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H21507-TUN1	SEQ-TUN1.D	08/01/12 11:05
Calibration Check	2H21507-CCV1	SEQ-CCV1.D	08/01/12 11:28
Calibration Check	2H21507-CCV2	SEQ-CCV2.D	08/01/12 11:56
Blank	2G26004-BLK1	G26004B1.D	08/01/12 12:23
LCS	2G26004-BS1	G26004L1.D	08/01/12 12:51
GW0664	1207130-01	0713001.D	08/01/12 13:19
GW0666	1207130-03	0713003.D	08/01/12 13:47
GW0671	1207130-05	0713005.D	08/01/12 14:14
GW0671	2G26004-MS1	0713005M.D	08/01/12 14:42
GW0671	2G26004-MSD1	0713005S.D	08/01/12 15:10
GW0673	1207130-07	0713007.D	08/01/12 15:38
GW0717	1207130-09	0713009.D	08/01/12 16:06
GW0718	1207130-11	0713011.D	08/01/12 16:34
GW0719	1207130-13	0713013.D	08/01/12 17:01
GW0742	1207130-15	0713015.D	08/01/12 17:29

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H22112-TUN1	SEQ-TUN1.D	08/07/12 15:33
Calibration Check	2H22112-CCV1	SEQ-CCV1.D	08/07/12 15:56
Calibration Check	2H22112-CCV2	SEQ-CCV2.D	08/07/12 16:24
Blank	2G27016-BLK1	G27016B1.D	08/07/12 16:51
LCS	2G27016-BS1	G27016L1.D	08/07/12 17:19
GW0665	1207138-01	0713801.D	08/07/12 17:46
GW0684	1207138-03	0713803.D	08/07/12 18:13
GW0692	1207138-05	0713805.D	08/07/12 18:40
GW0693	1207138-07	0713807.D	08/07/12 19:07
GW0693	2G27016-MS2	0713807M.D	08/07/12 19:34
GW0693	2G27016-MSD2	0713807S.D	08/07/12 20:02
GW0703	1207138-09	0713809.D	08/07/12 20:29
GW0740	1207138-11	0713811.D	08/07/12 20:55
GW0741	1207138-13	0713813.D	08/07/12 21:22

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22605	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H22605-TUN1	SEQ-TUN1.D	08/09/12 13:48
Calibration Check	2H22605-CCV1	SEQ-CCV1.D	08/09/12 14:11
Calibration Check	2H22605-CCV2	SEQ-CCV2.D	08/09/12 14:39
GW0693	1207138-07RE1	0713807D.D	08/10/12 01:30

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H22708-TUN1	SEQ-TUN1.D	08/13/12 14:12
Calibration Check	2H22708-CCV1	SEQ-CCV1.D	08/13/12 14:35
Calibration Check	2H22708-CCV2	SEQ-CCV2.D	08/13/12 15:05
Blank	2G31012-BLK1	G31012B1.D	08/13/12 15:33
LCS	2G31012-BS1	G31012L1.D	08/13/12 16:00
LCS Dup	2G31012-BSD1	G31012L2.D	08/13/12 16:28
GW0674	1207152-01	0715201.D	08/13/12 16:55
GW0675	1207152-03	0715203.D	08/13/12 17:22
GW0676	1207152-05	0715205.D	08/13/12 17:50
GW0681	1207152-07	0715207.D	08/13/12 18:17
GW0682	1207152-09	0715209.D	08/13/12 18:44
GW0683	1207152-11	0715211.D	08/13/12 19:11
GW0690	1207152-13	0715213.D	08/13/12 19:38
GW0691	1207152-15	0715215.D	08/13/12 20:05
GW0700	1207152-17	0715217.D	08/13/12 20:32

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H21507-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/01/12 11:28			
1,4-Dichlorobenzene-d4	472640	5.155	567077	5.575	83	50 - 200	-0.4200	+/-0.50	
Naphthalene-d8	1883642	6.847	2257819	7.266	83	50 - 200	-0.4190	+/-0.50	
Acenaphthene-d10	857924	9.097	1041422	9.511	82	50 - 200	-0.4140	+/-0.50	
Phenanthrene-d10	1297134	10.886	1729504	11.304	75	50 - 200	-0.4180	+/-0.50	
Chrysene-d12	1081447	14.173	1493143	14.683	72	50 - 200	-0.5100	+/-0.50	
Perylene-d12	874280	16.318	1350302	16.936	65	50 - 200	-0.6180	+/-0.50	
Calibration Check (2H21507-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/01/12 11:56			
1,4-Dichlorobenzene-d4	458525	5.148	472640	5.155	97	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	1781910	6.847	1883642	6.847	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	798100	9.09	857924	9.097	93	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1228882	10.886	1297134	10.886	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1025067	14.172	1081447	14.173	95	50 - 200	-0.0010	+/-0.50	
Perylene-d12	835121	16.313	874280	16.318	96	50 - 200	-0.0050	+/-0.50	
Blank (2G26004-BLK1)			Lab File ID: G26004B1.D			Analyzed: 08/01/12 12:23			
1,4-Dichlorobenzene-d4	436500	5.156	472640	5.155	92	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1702844	6.854	1883642	6.847	90	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	755765	9.091	857924	9.097	88	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1182741	10.879	1297134	10.886	91	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	951110	14.175	1081447	14.173	88	50 - 200	0.0020	+/-0.50	
Perylene-d12	777164	16.316	874280	16.318	89	50 - 200	-0.0020	+/-0.50	
LCS (2G26004-BS1)			Lab File ID: G26004L1.D			Analyzed: 08/01/12 12:51			
1,4-Dichlorobenzene-d4	431444	5.149	472640	5.155	91	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1778366	6.85	1883642	6.847	94	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	799798	9.093	857924	9.097	93	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1221653	10.886	1297134	10.886	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1018043	14.175	1081447	14.173	94	50 - 200	0.0020	+/-0.50	
Perylene-d12	814497	16.316	874280	16.318	93	50 - 200	-0.0020	+/-0.50	
GW0664 (1207130-01)			Lab File ID: 0713001.D			Analyzed: 08/01/12 13:19			
1,4-Dichlorobenzene-d4	448767	5.15	472640	5.155	95	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1794876	6.848	1883642	6.847	95	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	792402	9.093	857924	9.097	92	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1209708	10.88	1297134	10.886	93	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	998842	14.174	1081447	14.173	92	50 - 200	0.0010	+/-0.50	
Perylene-d12	821137	16.314	874280	16.318	94	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0666 (1207130-03)			Lab File ID: 0713003.D			Analyzed: 08/01/12 13:47			
1,4-Dichlorobenzene-d4	410127	5.15	472640	5.155	87	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1643117	6.85	1883642	6.847	87	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	736985	9.098	857924	9.097	86	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1101774	10.878	1297134	10.886	85	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	903531	14.174	1081447	14.173	84	50 - 200	0.0010	+/-0.50	
Perylene-d12	760339	16.313	874280	16.318	87	50 - 200	-0.0050	+/-0.50	
GW0671 (1207130-05)			Lab File ID: 0713005.D			Analyzed: 08/01/12 14:14			
1,4-Dichlorobenzene-d4	418328	5.149	472640	5.155	89	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1670120	6.848	1883642	6.847	89	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	748620	9.095	857924	9.097	87	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1176574	10.883	1297134	10.886	91	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	953317	14.177	1081447	14.173	88	50 - 200	0.0040	+/-0.50	
Perylene-d12	792031	16.313	874280	16.318	91	50 - 200	-0.0050	+/-0.50	
Matrix Spike (2G26004-MS1)			Lab File ID: 0713005M.D			Analyzed: 08/01/12 14:42			
1,4-Dichlorobenzene-d4	427620	5.157	472640	5.155	90	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1681815	6.857	1883642	6.847	89	50 - 200	0.0100	+/-0.50	
Acenaphthene-d10	755584	9.095	857924	9.097	88	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1197076	10.885	1297134	10.886	92	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	985715	14.176	1081447	14.173	91	50 - 200	0.0030	+/-0.50	
Perylene-d12	796865	16.319	874280	16.318	91	50 - 200	0.0010	+/-0.50	
Matrix Spike Dup (2G26004-MSD1)			Lab File ID: 0713005S.D			Analyzed: 08/01/12 15:10			
1,4-Dichlorobenzene-d4	454875	5.157	472640	5.155	96	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1780406	6.848	1883642	6.847	95	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	797323	9.095	857924	9.097	93	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1224650	10.888	1297134	10.886	94	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1025957	14.18	1081447	14.173	95	50 - 200	0.0070	+/-0.50	
Perylene-d12	861850	16.319	874280	16.318	99	50 - 200	0.0010	+/-0.50	
GW0673 (1207130-07)			Lab File ID: 0713007.D			Analyzed: 08/01/12 15:38			
1,4-Dichlorobenzene-d4	421582	5.149	472640	5.155	89	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1699827	6.849	1883642	6.847	90	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	770017	9.095	857924	9.097	90	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1146302	10.881	1297134	10.886	88	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	933577	14.173	1081447	14.173	86	50 - 200	0.0000	+/-0.50	
Perylene-d12	773340	16.317	874280	16.318	88	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21507	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0717 (1207130-09)			Lab File ID: 0713009.D			Analyzed: 08/01/12 16:06			
1,4-Dichlorobenzene-d4	450818	5.153	472640	5.155	95	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1812068	6.854	1883642	6.847	96	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	845894	9.094	857924	9.097	99	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1212980	10.889	1297134	10.886	94	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1018417	14.173	1081447	14.173	94	50 - 200	0.0000	+/-0.50	
Perylene-d12	841623	16.321	874280	16.318	96	50 - 200	0.0030	+/-0.50	
GW0718 (1207130-11)			Lab File ID: 0713011.D			Analyzed: 08/01/12 16:34			
1,4-Dichlorobenzene-d4	432885	5.152	472640	5.155	92	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1714991	6.857	1883642	6.847	91	50 - 200	0.0100	+/-0.50	
Acenaphthene-d10	761526	9.097	857924	9.097	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1231094	10.887	1297134	10.886	95	50 - 200	0.0010	+/-0.50	
Chrysene-d12	990656	14.175	1081447	14.173	92	50 - 200	0.0020	+/-0.50	
Perylene-d12	789546	16.318	874280	16.318	90	50 - 200	0.0000	+/-0.50	
GW0719 (1207130-13)			Lab File ID: 0713013.D			Analyzed: 08/01/12 17:01			
1,4-Dichlorobenzene-d4	422057	5.156	472640	5.155	89	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1722147	6.854	1883642	6.847	91	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	735434	9.1	857924	9.097	86	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1193450	10.887	1297134	10.886	92	50 - 200	0.0010	+/-0.50	
Chrysene-d12	960846	14.174	1081447	14.173	89	50 - 200	0.0010	+/-0.50	
Perylene-d12	805399	16.319	874280	16.318	92	50 - 200	0.0010	+/-0.50	
GW0742 (1207130-15)			Lab File ID: 0713015.D			Analyzed: 08/01/12 17:29			
1,4-Dichlorobenzene-d4	429340	5.156	472640	5.155	91	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1735587	6.856	1883642	6.847	92	50 - 200	0.0090	+/-0.50	
Acenaphthene-d10	782319	9.1	857924	9.097	91	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1169654	10.889	1297134	10.886	90	50 - 200	0.0030	+/-0.50	
Chrysene-d12	978921	14.174	1081447	14.173	91	50 - 200	0.0010	+/-0.50	
Perylene-d12	792412	16.323	874280	16.318	91	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H22112-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/07/12 15:56			
1,4-Dichlorobenzene-d4	529757	5.129	567077	5.575	93	50 - 200	-0.4460	+/-0.50	
Naphthalene-d8	2174632	6.829	2257819	7.266	96	50 - 200	-0.4370	+/-0.50	
Acenaphthene-d10	977361	9.074	1041422	9.511	94	50 - 200	-0.4370	+/-0.50	
Phenanthrene-d10	1535408	10.864	1729504	11.304	89	50 - 200	-0.4400	+/-0.50	
Chrysene-d12	1316126	14.148	1493143	14.683	88	50 - 200	-0.5350	+/-0.50	
Perylene-d12	1111819	16.283	1350302	16.936	82	50 - 200	-0.6530	+/-0.50	
Calibration Check (2H22112-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/07/12 16:24			
1,4-Dichlorobenzene-d4	534735	5.123	529757	5.129	101	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2149833	6.83	2174632	6.829	99	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	940243	9.075	977361	9.074	96	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1556833	10.855	1535408	10.864	101	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1352611	14.147	1316126	14.148	103	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1126072	16.281	1111819	16.283	101	50 - 200	-0.0020	+/-0.50	
Blank (2G27016-BLK1)			Lab File ID: G27016B1.D			Analyzed: 08/07/12 16:51			
1,4-Dichlorobenzene-d4	520959	5.124	529757	5.129	98	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2239040	6.824	2174632	6.829	103	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	991995	9.074	977361	9.074	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1592072	10.862	1535408	10.864	104	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1338086	14.141	1316126	14.148	102	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1128902	16.282	1111819	16.283	102	50 - 200	-0.0010	+/-0.50	
LCS (2G27016-BS1)			Lab File ID: G27016L1.D			Analyzed: 08/07/12 17:19			
1,4-Dichlorobenzene-d4	504301	5.129	529757	5.129	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2106834	6.828	2174632	6.829	97	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	939577	9.071	977361	9.074	96	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1528115	10.858	1535408	10.864	100	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1337294	14.15	1316126	14.148	102	50 - 200	0.0020	+/-0.50	
Perylene-d12	1107523	16.285	1111819	16.283	100	50 - 200	0.0020	+/-0.50	
GW0665 (1207138-01)			Lab File ID: 0713801.D			Analyzed: 08/07/12 17:46			
1,4-Dichlorobenzene-d4	540526	5.121	529757	5.129	102	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2293323	6.823	2174632	6.829	105	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	980277	9.068	977361	9.074	100	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1567002	10.858	1535408	10.864	102	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1352277	14.145	1316126	14.148	103	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1142025	16.287	1111819	16.283	103	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0684 (1207138-03)			Lab File ID: 0713803.D			Analyzed: 08/07/12 18:13			
1,4-Dichlorobenzene-d4	584318	5.125	529757	5.129	110	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2387337	6.822	2174632	6.829	110	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1022426	9.067	977361	9.074	105	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1678202	10.861	1535408	10.864	109	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1426009	14.141	1316126	14.148	108	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1204556	16.279	1111819	16.283	108	50 - 200	-0.0040	+/-0.50	
GW0692 (1207138-05)			Lab File ID: 0713805.D			Analyzed: 08/07/12 18:40			
1,4-Dichlorobenzene-d4	536624	5.129	529757	5.129	101	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2248204	6.829	2174632	6.829	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	983015	9.067	977361	9.074	101	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1631912	10.854	1535408	10.864	106	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1366405	14.142	1316126	14.148	104	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1141567	16.283	1111819	16.283	103	50 - 200	0.0000	+/-0.50	
GW0693 (1207138-07)			Lab File ID: 0713807.D			Analyzed: 08/07/12 19:07			
1,4-Dichlorobenzene-d4	557793	5.13	529757	5.129	105	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2108631	6.837	2174632	6.829	97	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	1120137	9.075	977361	9.074	115	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1531062	10.86	1535408	10.864	100	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1372721	14.141	1316126	14.148	104	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1179710	16.285	1111819	16.283	106	50 - 200	0.0020	+/-0.50	
Matrix Spike (2G27016-MS2)			Lab File ID: 0713807M.D			Analyzed: 08/07/12 19:34			
1,4-Dichlorobenzene-d4	577811	5.13	529757	5.129	109	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2597506	6.833	2174632	6.829	119	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1164596	9.079	977361	9.074	119	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1537600	10.864	1535408	10.864	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1493017	14.144	1316126	14.148	113	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1254850	16.28	1111819	16.283	113	50 - 200	-0.0030	+/-0.50	
Matrix Spike Dup (2G27016-MSD2)			Lab File ID: 0713807S.D			Analyzed: 08/07/12 20:02			
1,4-Dichlorobenzene-d4	595788	5.126	529757	5.129	112	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2559453	6.837	2174632	6.829	118	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	1193991	9.077	977361	9.074	122	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1494697	10.862	1535408	10.864	97	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1461887	14.152	1316126	14.148	111	50 - 200	0.0040	+/-0.50	
Perylene-d12	1244576	16.279	1111819	16.283	112	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22112	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0703 (1207138-09)			Lab File ID: 0713809.D			Analyzed: 08/07/12 20:29			
1,4-Dichlorobenzene-d4	559209	5.126	529757	5.129	106	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2349997	6.827	2174632	6.829	108	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1024707	9.072	977361	9.074	105	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1626687	10.857	1535408	10.864	106	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1421855	14.141	1316126	14.148	108	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1203707	16.282	1111819	16.283	108	50 - 200	-0.0010	+/-0.50	
GW0740 (1207138-11)			Lab File ID: 0713811.D			Analyzed: 08/07/12 20:55			
1,4-Dichlorobenzene-d4	587949	5.128	529757	5.129	111	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2429058	6.819	2174632	6.829	112	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1098139	9.072	977361	9.074	112	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1736720	10.856	1535408	10.864	113	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1503444	14.142	1316126	14.148	114	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1262617	16.276	1111819	16.283	114	50 - 200	-0.0070	+/-0.50	
GW0741 (1207138-13)			Lab File ID: 0713813.D			Analyzed: 08/07/12 21:22			
1,4-Dichlorobenzene-d4	580390	5.126	529757	5.129	110	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2452906	6.82	2174632	6.829	113	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1085315	9.066	977361	9.074	111	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1738977	10.853	1535408	10.864	113	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1523069	14.139	1316126	14.148	116	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1260834	16.277	1111819	16.283	113	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22605	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H22605-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/09/12 14:11			
1,4-Dichlorobenzene-d4	574930	5.132	567077	5.575	101	50 - 200	-0.4430	+/-0.50	
Naphthalene-d8	2466585	6.826	2257819	7.266	109	50 - 200	-0.4400	+/-0.50	
Acenaphthene-d10	1114298	9.079	1041422	9.511	107	50 - 200	-0.4320	+/-0.50	
Phenanthrene-d10	1727057	10.863	1729504	11.304	100	50 - 200	-0.4410	+/-0.50	
Chrysene-d12	1527796	14.151	1493143	14.683	102	50 - 200	-0.5320	+/-0.50	
Perylene-d12	1277849	16.285	1350302	16.936	95	50 - 200	-0.6510	+/-0.50	
Calibration Check (2H22605-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/09/12 14:39			
1,4-Dichlorobenzene-d4	546060	5.127	574930	5.132	95	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2262010	6.822	2466585	6.826	92	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1002726	9.078	1114298	9.079	90	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1643609	10.863	1727057	10.863	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1446730	14.147	1527796	14.151	95	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1113800	16.282	1277849	16.285	87	50 - 200	-0.0030	+/-0.50	
GW0693 (1207138-07RE1)			Lab File ID: 0713807D.D			Analyzed: 08/10/12 01:30			
1,4-Dichlorobenzene-d4	676119	5.127	574930	5.132	118	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2720199	6.826	2466585	6.826	110	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1225309	9.077	1114298	9.079	110	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1942269	10.864	1727057	10.863	112	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1609839	14.153	1527796	14.151	105	50 - 200	0.0020	+/-0.50	
Perylene-d12	1388634	16.284	1277849	16.285	109	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H22708-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/13/12 14:35			
1,4-Dichlorobenzene-d4	569467	5.09	567077	5.575	100	50 - 200	-0.4850	+/-0.50	
Naphthalene-d8	2346659	6.791	2257819	7.266	104	50 - 200	-0.4750	+/-0.50	
Acenaphthene-d10	1084808	9.037	1041422	9.511	104	50 - 200	-0.4740	+/-0.50	
Phenanthrene-d10	1706131	10.829	1729504	11.304	99	50 - 200	-0.4750	+/-0.50	
Chrysene-d12	1495988	14.106	1493143	14.683	100	50 - 200	-0.5770	+/-0.50	
Perylene-d12	1262429	16.237	1350302	16.936	93	50 - 200	-0.6990	+/-0.50	
Calibration Check (2H22708-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/13/12 15:05			
1,4-Dichlorobenzene-d4	538797	5.09	569467	5.09	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2241223	6.794	2346659	6.791	96	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1034455	9.041	1084808	9.037	95	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1671576	10.823	1706131	10.829	98	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1452299	14.111	1495988	14.106	97	50 - 200	0.0050	+/-0.50	
Perylene-d12	1177560	16.239	1262429	16.237	93	50 - 200	0.0020	+/-0.50	
Blank (2G31012-BLK1)			Lab File ID: G31012B1.D			Analyzed: 08/13/12 15:33			
1,4-Dichlorobenzene-d4	604595	5.085	569467	5.09	106	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2571278	6.788	2346659	6.791	110	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1150499	9.042	1084808	9.037	106	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1897744	10.824	1706131	10.829	111	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1645209	14.11	1495988	14.106	110	50 - 200	0.0040	+/-0.50	
Perylene-d12	1405536	16.232	1262429	16.237	111	50 - 200	-0.0050	+/-0.50	
LCS (2G31012-BS1)			Lab File ID: G31012L1.D			Analyzed: 08/13/12 16:00			
1,4-Dichlorobenzene-d4	554107	5.092	569467	5.09	97	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2456130	6.79	2346659	6.791	105	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1098053	9.04	1084808	9.037	101	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1715254	10.824	1706131	10.829	101	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1506092	14.107	1495988	14.106	101	50 - 200	0.0010	+/-0.50	
Perylene-d12	1251121	16.232	1262429	16.237	99	50 - 200	-0.0050	+/-0.50	
LCS Dup (2G31012-BSD1)			Lab File ID: G31012L2.D			Analyzed: 08/13/12 16:28			
1,4-Dichlorobenzene-d4	571627	5.086	569467	5.09	100	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2404012	6.789	2346659	6.791	102	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1038102	9.037	1084808	9.037	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1676660	10.824	1706131	10.829	98	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1460203	14.109	1495988	14.106	98	50 - 200	0.0030	+/-0.50	
Perylene-d12	1204115	16.232	1262429	16.237	95	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0674 (1207152-01)			Lab File ID: 0715201.D			Analyzed: 08/13/12 16:55			
1,4-Dichlorobenzene-d4	624281	5.09	569467	5.09	110	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2554339	6.795	2346659	6.791	109	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1134605	9.043	1084808	9.037	105	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1881464	10.829	1706131	10.829	110	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1590514	14.11	1495988	14.106	106	50 - 200	0.0040	+/-0.50	
Perylene-d12	1349982	16.235	1262429	16.237	107	50 - 200	-0.0020	+/-0.50	
GW0675 (1207152-03)			Lab File ID: 0715203.D			Analyzed: 08/13/12 17:22			
1,4-Dichlorobenzene-d4	578848	5.09	569467	5.09	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2412682	6.787	2346659	6.791	103	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1100653	9.035	1084808	9.037	101	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1727751	10.822	1706131	10.829	101	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1472162	14.109	1495988	14.106	98	50 - 200	0.0030	+/-0.50	
Perylene-d12	1232360	16.239	1262429	16.237	98	50 - 200	0.0020	+/-0.50	
GW0676 (1207152-05)			Lab File ID: 0715205.D			Analyzed: 08/13/12 17:50			
1,4-Dichlorobenzene-d4	618804	5.089	569467	5.09	109	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2620996	6.792	2346659	6.791	112	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1160579	9.039	1084808	9.037	107	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1957163	10.826	1706131	10.829	115	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1631858	14.105	1495988	14.106	109	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1369208	16.232	1262429	16.237	108	50 - 200	-0.0050	+/-0.50	
GW0681 (1207152-07)			Lab File ID: 0715207.D			Analyzed: 08/13/12 18:17			
1,4-Dichlorobenzene-d4	603262	5.092	569467	5.09	106	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2457548	6.795	2346659	6.791	105	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1087653	9.035	1084808	9.037	100	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1790849	10.823	1706131	10.829	105	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1563272	14.111	1495988	14.106	104	50 - 200	0.0050	+/-0.50	
Perylene-d12	1317020	16.236	1262429	16.237	104	50 - 200	-0.0010	+/-0.50	
GW0682 (1207152-09)			Lab File ID: 0715209.D			Analyzed: 08/13/12 18:44			
1,4-Dichlorobenzene-d4	622967	5.084	569467	5.09	109	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2686350	6.786	2346659	6.791	114	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1161245	9.037	1084808	9.037	107	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1883281	10.824	1706131	10.829	110	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1626931	14.104	1495988	14.106	109	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1360926	16.239	1262429	16.237	108	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22708	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0683 (1207152-11)			Lab File ID: 0715211.D			Analyzed: 08/13/12 19:11			
1,4-Dichlorobenzene-d4	612735	5.091	569467	5.09	108	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2539754	6.794	2346659	6.791	108	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1151659	9.037	1084808	9.037	106	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1944846	10.827	1706131	10.829	114	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1643908	14.106	1495988	14.106	110	50 - 200	0.0000	+/-0.50	
Perylene-d12	1361018	16.235	1262429	16.237	108	50 - 200	-0.0020	+/-0.50	
GW0690 (1207152-13)			Lab File ID: 0715213.D			Analyzed: 08/13/12 19:38			
1,4-Dichlorobenzene-d4	579786	5.091	569467	5.09	102	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2429705	6.785	2346659	6.791	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1079466	9.039	1084808	9.037	100	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1749958	10.822	1706131	10.829	103	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1476435	14.103	1495988	14.106	99	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1254040	16.239	1262429	16.237	99	50 - 200	0.0020	+/-0.50	
GW0691 (1207152-15)			Lab File ID: 0715215.D			Analyzed: 08/13/12 20:05			
1,4-Dichlorobenzene-d4	595799	5.09	569467	5.09	105	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2493510	6.785	2346659	6.791	106	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1120013	9.036	1084808	9.037	103	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1869359	10.823	1706131	10.829	110	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1513573	14.106	1495988	14.106	101	50 - 200	0.0000	+/-0.50	
Perylene-d12	1304928	16.231	1262429	16.237	103	50 - 200	-0.0060	+/-0.50	
GW0700 (1207152-17)			Lab File ID: 0715217.D			Analyzed: 08/13/12 20:32			
1,4-Dichlorobenzene-d4	545086	5.086	569467	5.09	96	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2239158	6.791	2346659	6.791	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	971330	9.039	1084808	9.037	90	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1525674	10.824	1706131	10.829	89	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1297218	14.107	1495988	14.106	87	50 - 200	0.0010	+/-0.50	
Perylene-d12	1095898	16.237	1262429	16.237	87	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

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	1.126373	10	1.126661	20	1.136371	40	1.207778	50	1.183683	60	1.180749
Acenaphthylene	5	1.810842	10	1.826999	20	1.946601	40	1.95698	50	1.93577	60	1.957812
Acetophenone												
Aniline	5	2.461105	10	2.59521	20	2.791143	40	2.610428	50	2.69129	60	2.589195
Anthracene	5	1.014193	10	1.004991	20	1.0912	40	1.07423	50	1.02393	60	1.072449
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.023662	10	1.064105	20	1.135045	40	1.146272	50	1.143449	60	1.173419
Benzo(a)pyrene	5	0.9256968	10	1.009923	20	1.044091	40	1.053488	50	1.090938	60	1.062997
Benzo(b)fluoranthene	5	1.049749	10	1.119984	20	1.110806	40	1.136291	50	1.228656	60	1.099329
Benzo(g,h,i)perylene	5	0.8228635	10	0.9017828	20	0.9584962	40	0.9613374	50	0.9745618	60	0.9591791
Benzoic acid	5	~~8.240963E-02~~	10	~~0.1021864~~	20	0.1472441	40	0.1907186	50	0.2085996	60	0.2242009
Benzo(k)fluoranthene	5	1.062616	10	1.151443	20	1.247663	40	1.19235	50	1.198395	60	1.276877
Benzyl alcohol	5	0.9754856	10	0.9854316	20	1.03627	40	1.043161	50	1.014095	60	1.001162
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.1781673	10	0.1784268	20	0.1945771	40	0.1931838	50	0.1904274	60	0.1941092
Butylbenzylphthalate	5	0.540657	10	0.5849321	20	0.6844322	40	0.6688168	50	0.7151465	60	0.7108238
Caprolactam												
Carbazole	5	1.013438	10	0.9751917	20	1.063112	40	1.032205	50	1.009288	60	1.016735
4-Chloro-3-methylphenol	5	0.2681562	10	0.2746706	20	0.3034465	40	0.3014856	50	0.3057008	60	0.295067
4-Chloroaniline	5	0.4179676	10	0.4118575	20	0.4561695	40	0.4481711	50	0.4411264	60	0.4383111
Bis(2-chloroethoxy)methane	5	0.5149505	10	0.5117899	20	0.5567584	40	0.5304999	50	0.5252526	60	0.5183715
Bis(2-chloroethyl)ether	5	1.79464	10	1.92201	20	1.933689	40	1.82667	50	1.849083	60	1.801492
2,2'-Oxybis-1-chloropropane	5	2.363796	10	2.476656	20	2.412512	40	2.300807	50	2.318796	60	2.222365
2-Chloronaphthalene	5	1.13273	10	1.117619	20	1.175043	40	1.176633	50	1.145012	60	1.229649
2-Chlorophenol	5	1.392984	10	1.416555	20	1.534166	40	1.524408	50	1.506707	60	1.496356
4-Chlorophenyl phenyl ether	5	0.5904094	10	0.5813123	20	0.5912155	40	0.578043	50	0.5830776	60	0.5832737
Chrysene	5	1.046865	10	1.023335	20	1.081624	40	1.06487	50	1.081586	60	1.04815
Dibenz(a,h)anthracene	5	0.7885676	10	0.9019827	20	0.9510476	40	0.9365455	50	0.9787881	60	0.9711654
Dibenzofuran	5	1.526746	10	1.532649	20	1.563857	40	1.629439	50	1.595734	60	1.561346

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

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	1.305877	10	1.277559	20	1.478226	40	1.504704	50	1.450457	60	1.566813
1,4-Dichlorobenzene	5	1.408334	10	1.40895	20	1.512679	40	1.46844	50	1.495222	60	1.444385
1,3-Dichlorobenzene	5	1.376031	10	1.431382	20	1.502069	40	1.43419	50	1.465406	60	1.413851
1,2-Dichlorobenzene	5	1.336277	10	1.327384	20	1.422078	40	1.364305	50	1.383533	60	1.348974
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2154991	10	0.223946	20	0.2462342	40	0.2558014	50	0.2492882	60	0.2506124
Diethylphthalate	5	1.270876	10	1.320807	20	1.381461	40	1.377271	50	1.385767	60	1.415821
2,4-Dimethylphenol	5	0.346181	10	0.3487812	20	0.3705044	40	0.3578533	50	0.3502636	60	0.3508821
Dimethyl phthalate	5	1.283415	10	1.306138	20	1.340225	40	1.37046	50	1.306569	60	1.358887
4,6-Dinitro-2-methylphenol	5	~~8.258835E-02~~	10	9.743835E-02	20	0.1195989	40	0.1417304	50	0.1474593	60	0.1594134
2,4-Dinitrophenol	5	~~0.1057435~~	10	0.1257444	20	0.1586353	40	0.1914349	50	0.2020648	60	0.2157894
2,4-Dinitrotoluene	5	0.3259939	10	0.370293	20	0.3950459	40	0.4356606	50	0.4180124	60	0.4246641
2,6-Dinitrotoluene	5	0.2872698	10	0.2920352	20	0.3201515	40	0.3141573	50	0.3178789	60	0.3327001
Di-n-octylphthalate	5	1.13257	10	1.356646	20	1.581187	40	1.78149	50	1.89801	60	1.912101
1,4-Dioxane												
1,2-Diphenylhydrazine	5	1.190229	10	1.219457	20	1.302156	40	1.200231	50	1.172083	60	1.253691
Bis(2-ethylhexyl)phthalate	5	0.7668985	10	0.8121303	20	0.9357354	40	0.9596238	50	0.9817301	60	0.976526
Fluoranthene	5	1.062951	10	1.074676	20	1.198513	40	1.177869	50	1.103442	60	1.103923
Fluorene	5	1.223545	10	1.234006	20	1.271113	40	1.239998	50	1.213156	60	1.229349
2-Fluorobiphenyl	5	1.240671	10	1.280891	20	1.29841	40	1.294668	50	1.297831	60	1.364536
2-Fluorophenol	10	1.425017	20	1.467693	40	1.586937	80	1.540058	100	1.517234	120	1.490853
Hexachlorobenzene	5	0.2033176	10	0.1971483	20	0.2152024	40	0.2116395	50	0.2081886	60	0.2112997
Hexachlorobutadiene	5	0.1370517	10	0.1355859	20	0.1482413	40	0.1409609	50	0.141565	60	0.1404629
Hexachlorocyclopentadiene	5	0.2927981	10	0.3220645	20	0.3316502	40	0.340652	50	0.3455415	60	0.370985
Hexachloroethane	5	0.7054781	10	0.6586897	20	0.7333452	40	0.6590675	50	0.6797874	60	0.665835
Indeno(1,2,3-cd)pyrene	5	0.9780185	10	1.036435	20	1.131378	40	1.125406	50	1.155951	60	1.143272
Isophorone	5	0.8400887	10	0.8101089	20	0.8968455	40	0.8736712	50	0.8802044	60	0.8739238
1-Methylnaphthalene	5	0.4867605	10	0.4715883	20	0.5151534	40	0.5068099	50	0.4944881	60	0.4903482
2-Methylnaphthalene	5	0.4979257	10	0.4933083	20	0.5283806	40	0.5154121	50	0.5210468	60	0.5090314
2-Methylphenol	5	1.360867	10	1.390202	20	1.449519	40	1.444984	50	1.436217	60	1.358288

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2156006		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	5/31/12 18:21	6/1/12 1:16

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	1.340828	10	1.421969	20	1.555837	40	1.455048	50	1.481826	60	1.43736
4-Methylphenol	5	1.340828	10	1.421969	20	1.555837	40	1.455048	50	1.481826	60	1.43736
3-Methylphenol/4-Methylphenol	5	1.340828	10	1.421969	20	1.555837	40	1.455048	50	1.481826	60	1.43736
Naphthalene	5	1.04581	10	1.008543	20	1.131666	40	1.05418	50	1.066415	60	1.061675
4-Nitroaniline	5	0.3425526	10	0.3790494	20	0.4144153	40	0.4387588	50	0.4386155	60	0.4528719
3-Nitroaniline	5	0.3778062	10	0.4018527	20	0.427857	40	0.4563724	50	0.4511324	60	0.4552402
2-Nitroaniline	5	0.3348095	10	0.3794587	20	0.4097382	40	0.3964288	50	0.4169248	60	0.4094302
Nitrobenzene	5	0.4676748	10	0.4263656	20	0.4549903	40	0.4449821	50	0.4400608	60	0.4364229
Nitrobenzene-d5	5	0.4391221	10	0.4112926	20	0.4614935	40	0.4362959	50	0.44672	60	0.4445621
4-Nitrophenol	5	0.2405149	10	0.262735	20	0.2735694	40	0.2895708	50	0.2836056	60	0.3122808
2-Nitrophenol	5	0.1700531	10	0.1738362	20	0.1976594	40	0.1932137	50	0.1998064	60	0.2032045
N-Nitrosodimethylamine	5	0.6269734	10	0.59035	20	0.6517906	40	0.6216008	50	0.6093813	60	0.5738985
N-Nitrosodiphenylamine	5	0.5884764	10	0.6014375	20	0.6492499	40	0.6089782	50	0.6264034	60	0.6216496
N-Nitroso-di-n-propylamine	5	1.189603	10	1.156485	20	1.190885	40	1.171331	50	1.192116	60	1.134954
Pentachlorophenol	5	~~8.153637E-02~~	10	9.572368E-02	20	0.1293694	40	0.1371883	50	0.1373123	60	0.1416215
Phenanthrene	5	1.014155	10	1.006672	20	1.061624	40	1.065084	50	1.016924	60	1.03761
Phenol	5	2.439416	10	2.384831	20	2.521563	40	2.386374	50	2.341627	60	2.276088
Phenol-d6	10	1.976918	20	1.970167	40	2.125538	80	2.024099	100	2.06832	120	1.968604
Pyrene	5	1.217607	10	1.246171	20	1.316716	40	1.285709	50	1.335394	60	1.32673
Pyridine	5	2.217909	10	2.319321	20	2.362185	40	2.245072	50	2.304893	60	2.132767
Terphenyl-d14	5	0.6870783	10	0.7499243	20	0.7736616	40	0.7546076	50	0.7667226	60	0.7702226
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2713826	10	0.2770377	20	0.2900389	40	0.3048646	50	0.3105629	60	0.313908
2,4,6-Tribromophenol	10	9.588103E-02	20	9.818431E-02	40	0.1149666	80	0.1157648	100	0.111198	120	0.116375
1,2,4-Trichlorobenzene	5	0.2466628	10	0.2378432	20	0.2632445	40	0.255608	50	0.2597381	60	0.2527829
2,4,6-Trichlorophenol	5	0.3270577	10	0.3414148	20	0.3497186	40	0.3710868	50	0.3712814	60	0.3860436
2,4,5-Trichlorophenol	5	0.3185211	10	0.3294909	20	0.365739	40	0.3767376	50	0.3831701	60	0.3975717

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

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	1.058327	100	1.075952								
Acenaphthylene	80	1.766561	100	1.807569								
Acetophenone					5	1.909817	10	2.031129	20	2.039047	40	2.018201
Aniline	80	2.56114	100	2.442012								
Anthracene	80	1.093431	100	1.063954								
Atrazine					5	0.1668844	10	0.1757564	20	0.1836768	40	0.1907388
Benzaldehyde					5	1.357752	10	1.334678	20	1.373112	40	1.372376
Benzidine					5	0.6830456	10	0.7212548	20	0.8033707	40	0.8249081
Benzo(a)anthracene	80	1.184845	100	1.145572								
Benzo(a)pyrene	80	1.077988	100	1.036302								
Benzo(b)fluoranthene	80	1.131156	100	1.080335								
Benzo(g,h,i)perylene	80	0.9573059	100	0.9263243								
Benzoic acid	80	0.2406599	100	0.2603454								
Benzo(k)fluoranthene	80	1.16585	100	1.171508								
Benzyl alcohol	80	1.029513	100	1.035805								
1,1-Biphenyl					5	1.43531	10	1.485164	20	1.474266	40	1.495622
4-Bromophenyl-phenylether	80	0.1927913	100	0.1887663								
Butylbenzylphthalate	80	0.7341818	100	0.7261509								
Caprolactam					5	9.768377E-02	10	0.104025	20	0.1135163	40	0.1237562
Carbazole	80	1.012087	100	0.9890369								
4-Chloro-3-methylphenol	80	0.2932545	100	0.2890361								
4-Chloroaniline	80	0.4483115	100	0.4320235								
Bis(2-chloroethoxy)methane	80	0.4905203	100	0.497847								
Bis(2-chloroethyl)ether	80	1.844531	100	1.824293								
2,2'-Oxybis-1-chloropropane	80	2.233244	100	2.249014								
2-Chloronaphthalene	80	1.06362	100	1.133535								
2-Chlorophenol	80	1.532319	100	1.543943								
4-Chlorophenyl phenyl ether	80	0.5067925	100	0.5106141								
Chrysene	80	1.066935	100	1.042461								
Dibenz(a,h)anthracene	80	0.9601124	100	0.9315984								
Dibenzofuran	80	1.516069	100	1.529287								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

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	1.478792	100	1.316343								
1,4-Dichlorobenzene	80	1.440058	100	1.424768								
1,3-Dichlorobenzene	80	1.419489	100	1.428808								
1,2-Dichlorobenzene	80	1.360182	100	1.328803								
3,3'-Dichlorobenzidine					5	0.3313013	10	0.3525136	20	0.3766457	40	0.4004942
2,6-Dichlorophenol					5	0.2116836	10	0.2297115	20	0.2340374	40	0.2438428
2,4-Dichlorophenol	80	0.2419917	100	0.2447231								
Diethylphthalate	80	1.341489	100	1.411306								
2,4-Dimethylphenol	80	0.3388421	100	0.3521381								
Dimethyl phthalate	80	1.239793	100	1.297666								
4,6-Dinitro-2-methylphenol	80	0.1657449	100	0.1650316								
2,4-Dinitrophenol	80	0.2095114	100	0.221143								
2,4-Dinitrotoluene	80	0.4230432	100	0.4283516								
2,6-Dinitrotoluene	80	0.2957203	100	0.3063496								
Di-n-octylphthalate	80	1.966801	100	1.903473								
1,4-Dioxane					5	1.144446	10	0.804527	20	0.7823947	40	0.8116822
1,2-Diphenylhydrazine	80	1.16861	100	1.146099								
Bis(2-ethylhexyl)phthalate	80	0.9999323	100	0.9773898								
Fluoranthene	80	1.156661	100	1.055531								
Fluorene	80	1.040954	100	1.08819								
2-Fluorobiphenyl	80	1.183214	100	1.241869								
2-Fluorophenol	160	1.462558	200	1.470653								
Hexachlorobenzene	80	0.2160123	100	0.2064807								
Hexachlorobutadiene	80	0.1374434	100	0.1396075								
Hexachlorocyclopentadiene	80	0.3430654	100	0.3549931								
Hexachloroethane	80	0.6555376	100	0.6572187								
Indeno(1,2,3-cd)pyrene	80	1.137759	100	1.102703								
Isophorone	80	0.8661524	100	0.8720059								
1-Methylnaphthalene	80	0.4699895	100	0.4694343								
2-Methylnaphthalene	80	0.4913134	100	0.4928645								
2-Methylphenol	80	1.375262	100	1.360828								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

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	1.429646	100	1.419856								
4-Methylphenol	80	1.429646	100	1.419856								
3-Methylphenol/4-Methylphenol	80	1.429646	100	1.419856								
Naphthalene	80	1.018101	100	1.016697								
4-Nitroaniline	80	0.4391007	100	0.4375337								
3-Nitroaniline	80	0.4129324	100	0.4211253								
2-Nitroaniline	80	0.383058	100	0.4032748								
Nitrobenzene	80	0.4299797	100	0.4398174								
Nitrobenzene-d5	80	0.4348711	100	0.4433668								
4-Nitrophenol	80	0.2820391	100	0.2887068								
2-Nitrophenol	80	0.2000968	100	0.2043441								
N-Nitrosodimethylamine	80	0.5785712	100	0.5806788								
N-Nitrosodiphenylamine	80	0.6195758	100	0.6132362								
N-Nitroso-di-n-propylamine	80	1.117607	100	1.115744								
Pentachlorophenol	80	0.1436813	100	0.1432464								
Phenanthrene	80	1.058948	100	0.9871006								
Phenol	80	2.166796	100	2.084501								
Phenol-d6	160	1.945001	200	1.906219								
Pyrene	80	1.319631	100	1.31167								
Pyridine	80	2.152654	100	2.199151								
Terphenyl-d14	80	0.7576691	100	0.7481279								
1,2,4,5-Tetrachlorobenzene					5	0.2673972	10	0.2585537	20	0.2568752	40	0.2752239
2,3,4,6-Tetrachlorophenol	80	0.3015184	100	0.3140667								
2,4,6-Tribromophenol	160	0.115848	200	0.1109646								
1,2,4-Trichlorobenzene	80	0.245253	100	0.2497424								
2,4,6-Trichlorophenol	80	0.3535512	100	0.3693888								
2,4,5-Trichlorophenol	80	0.3697035	100	0.3711222								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.970584	60	2.005776	80	1.939757	100	1.940128				
Aniline												
Anthracene												
Atrazine	50	0.1992863	60	0.203983	80	0.1849645	100	0.1915681				
Benzaldehyde	50	1.310853	60	1.34766	80	1.279366	100	1.261819				
Benzidine	50	0.8559782	60	0.8868889	80	0.8803441	100	0.8857341				
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50	1.477857	60	1.508824	80	1.447525	100	1.35277				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1217425	60	0.1291279	80	0.1187536	100	0.1252729				
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)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50	0.4015406	60	0.4031838	80	0.4021314	100	0.4067897				
2,6-Dichlorophenol	50	0.239802	60	0.2546334	80	0.242233	100	0.245765				
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	50	0.7646333	60	0.7828108	80	0.7489522	100	0.7514672				
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)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2156006	Instrument:	MS-BNA1	
Matrix:	Water	Calibration Dates:	5/31/12 18:21	6/1/12 1:16

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.256451	60	0.2609758	80	0.253498	100	0.2489809				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2156006		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	5/31/12 18:21	6/1/12 1:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.136987	4.610921	9.54875	2.537973E-02			CCC (20)	
Acenaphthylene	1.876142	4.278989	9.3145	2.862828E-02			CCC (20)	
Acetophenone	1.981805	2.443984	6.14725	2.928372E-02			CCC (20)	
Aniline	2.59269	4.384402	5.211375	3.113529E-02			CCC (20)	
Anthracene	1.054797	3.337087	11.38587	3.183207E-02			CCC (20)	
Atrazine	0.1871073	6.452663	11.01525	3.267773E-02			CCC (20)	
Benzaldehyde	1.329702	3.157148	5.021375	0.1027376			CCC (20)	
Benzidine	0.8176906	9.528755	12.95575	2.858378E-02			CCC (20)	
Benzo(a)anthracene	1.127046	4.881377	14.65812	2.460934E-02			CCC (20)	
Benzo(a)pyrene	1.037678	4.981683	16.838	3.725826E-02			CCC (20)	
Benzo(b)fluoranthene	1.119538	4.679822	16.32837	2.557249E-02			CCC (20)	
Benzo(g,h,i)perylene	0.9327314	5.376684	19.03263	4.978478E-02			CCC (20)	
Benzoic acid	0.2119614	18.8304	7.0335	0.3891312	0.9954999		CCC (20)	
Benzo(k)fluoranthene	1.183338	5.460999	16.36925	3.987242E-02			CCC (20)	
Benzyl alcohol	1.015115	2.502371	5.797875	4.476311E-02			CCC (20)	
1,1-Biphenyl	1.459667	3.383217	8.780125	3.729296E-02			CCC (20)	
4-Bromophenyl-phenylether	0.1888061	3.581119	10.76175	2.470838E-02			CCC (20)	
Butylbenzylphthalate	0.6706426	10.56623	13.936	2.374556E-02			CCC (20)	
Caprolactam	0.1167348	9.382822	7.773375	0.1378084			CCC (20)	
Carbazole	1.013887	2.61118	11.59225	3.206885E-02			CCC (20)	
4-Chloro-3-methylphenol	0.2913522	4.666513	8.03675	4.274257E-02			CCC (20)	
4-Chloroaniline	0.4367423	3.523411	7.40025	3.757596E-02			CCC (20)	
Bis(2-chloroethoxy)methane	0.5182488	3.940866	6.9935	4.402514E-02			CCC (20)	
Bis(2-chloroethyl)ether	1.849551	2.805056	5.289375	3.462935E-02			CCC (20)	
2,2'-Oxybis-1-chloropropane	2.322149	3.901215	6.005625	4.703934E-02			CCC (20)	
2-Chloronaphthalene	1.14673	4.259283	8.787375	2.466258E-02			CCC (20)	
2-Chlorophenol	1.49343	3.827145	5.348	3.591251E-02			CCC (20)	
4-Chlorophenyl phenyl ether	0.5655923	6.259231	10.17075	3.352785E-02			CCC (20)	
Chrysene	1.056978	1.924721	14.72312	2.782504E-02			CCC (20)	
Dibenz(a,h)anthracene	0.927476	6.59718	18.62625	4.077529E-02			CCC (20)	
Dibenzofuran	1.556891	2.518876	9.742375	3.108054E-02			CCC (20)	
Di-n-butylphthalate	1.422346	7.540338	12.08013	0.0246113			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2156006	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	5/31/12 18:21 6/1/12 1:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.450355	2.670476	5.603125	4.683992E-02			CCC (20)	
1,3-Dichlorobenzene	1.433903	2.586767	5.5345	4.321722E-02			CCC (20)	
1,2-Dichlorobenzene	1.358942	2.349938	5.850625	6.495423E-02			CCC (20)	
3,3'-Dichlorobenzidine	0.384325	7.371056	14.655	2.221076E-02			CCC (20)	
2,6-Dichlorophenol	0.2377136	5.435301	7.404625	0.0297561			15	
2,4-Dichlorophenol	0.241012	5.790922	7.105625	0.0379082			CCC (20)	
Diethylphthalate	1.3631	3.60638	10.1085	4.833197E-02			CCC (20)	
2,4-Dimethylphenol	0.3519307	2.6269	6.8725	3.935577E-02			CCC (20)	
Dimethyl phthalate	1.312894	3.245142	9.238625	5.225678E-02			CCC (20)	
4,6-Dinitro-2-methylphenol	0.1423453	17.94308	10.29343	4.115558E-02	0.9980523		CCC (20)	
2,4-Dinitrophenol	0.189189	18.4006	9.607429	0.0282888	0.9981513		CCC (20)	
2,4-Dinitrotoluene	0.4026331	9.32502	9.79725	0.0617772			CCC (20)	
2,6-Dinitrotoluene	0.3082828	5.100586	9.322875	3.375428E-02			CCC (20)	
Di-n-octylphthalate	1.691535	18.1091	15.73738	8.920026E-03	0.998712		CCC (20)	
1,4-Dioxane	0.8238642	15.96241	2.38425	0.2127164	0.9987984		0.995	
1,2-Diphenylhydrazine	1.206569	4.216433	10.35925	3.046759E-02			CCC (20)	
Bis(2-ethylhexyl)phthalate	0.9262458	9.418168	14.78912	2.073609E-02			CCC (20)	
Fluoranthene	1.116696	4.877621	12.78262	2.488438E-02			CCC (20)	
Fluorene	1.192539	6.8531	10.1635	1.831758E-02			CCC (20)	
2-Fluorobiphenyl	1.275261	4.213199	8.675375	0.0388525			CCC (20)	
2-Fluorophenol	1.495125	3.418147	4.023	8.822776E-02			CCC (20)	
Hexachlorobenzene	0.2086611	3.024166	10.94213	3.344562E-02			CCC (20)	
Hexachlorobutadiene	0.1401148	2.780776	7.536625	3.397306E-02			CCC (20)	
Hexachlorocyclopentadiene	0.3377187	6.901918	8.47325	4.298849E-02			CCC (20)	
Hexachloroethane	0.6768699	4.188695	6.2545	5.956743E-02			CCC (20)	
Indeno(1,2,3-cd)pyrene	1.101365	5.635983	18.5995	4.070788E-02			CCC (20)	
Isophorone	0.8641251	3.116903	6.678	4.714209E-02			CCC (20)	
1-Methylnaphthalene	0.4880715	3.530661	8.31475	3.359849E-02			CCC (20)	
2-Methylnaphthalene	0.5061603	2.833051	8.176375	3.303677E-02			CCC (20)	
2-Methylphenol	1.397021	2.867079	5.980125	0.0642539			CCC (20)	
3-Methylphenol	1.442796	4.225024	6.17775	5.592369E-02			CCC (20)	
4-Methylphenol	1.442796	4.225024	6.17775	5.592369E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2156006		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	5/31/12 18:21	6/1/12 1:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.442796	4.225024	6.17775	5.592369E-02			15	
Naphthalene	1.050386	3.766123	7.291375	3.582831E-02	0.9987203		CCC (20)	
4-Nitroaniline	0.4178622	9.099725	10.24962	7.654662E-02			CCC (20)	
3-Nitroaniline	0.4255398	6.59374	9.490375	2.393136E-02			CCC (20)	
2-Nitroaniline	0.3916404	6.751009	8.97175	3.005722E-02			CCC (20)	
Nitrobenzene	0.4425367	3.03541	6.375375	3.630387E-02			CCC (20)	
Nitrobenzene-d5	0.4397155	3.220291	6.35475	3.087934E-02			CCC (20)	
4-Nitrophenol	0.2791278	7.562366	9.705	0.0308043			CCC (20)	
2-Nitrophenol	0.1927768	6.917105	6.80025	5.004085E-02			CCC (20)	
N-Nitrosodimethylamine	0.6041556	4.611359	2.67875	0.1737974			CCC (20)	
N-Nitrosodiphenylamine	0.6161259	2.932406	10.329	4.367276E-02			CCC (20)	
N-Nitroso-di-n-propylamine	1.158591	2.800488	6.19	6.883484E-02			CCC (20)	
Pentachlorophenol	0.1325918	12.81054	11.16014	1.113155E-02	0.999758		CCC (20)	
Phenanthrene	1.031015	2.821899	11.33125	1.322467E-02			CCC (20)	
Phenol	2.325149	6.181608	5.19525	0.1100308			CCC (20)	
Phenol-d6	1.998108	3.54938	5.180875	5.928961E-02			CCC (20)	
Pyrene	1.294953	3.257355	13.05513	2.380264E-02			CCC (20)	
Pyridine	2.241744	3.644244	2.689625	0.2590654			CCC (20)	
Terphenyl-d14	0.7510018	3.658113	13.261	2.512336E-02			CCC (20)	
1,2,4,5-Tetrachlorobenzene	0.2597445	3.171612	8.44075	0.0181102			CCC (20)	
2,3,4,6-Tetrachlorophenol	0.2979225	5.587562	9.953375	3.236325E-02			CCC (20)	
2,4,6-Tribromophenol	0.1098978	7.487575	10.48813	3.709326E-02			CCC (20)	
1,2,4-Trichlorobenzene	0.2513594	3.281268	7.214625	4.030846E-02			CCC (20)	
2,4,6-Trichlorophenol	0.3586929	5.353135	8.578	0.0371309			CCC (20)	
2,4,5-Trichlorophenol	0.364007	7.343881	8.621625	0.0356141			CCC (20)	

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/01/12
Lab Sample ID:	2F15401-ICV1	Injection Time:	01:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	52.28	1.136987	1.18891	0.9	4.6	20
Acenaphthylene	A	50.00	52.97	1.876142	1.987563	0.9	5.9	20
Anthracene	A	50.00	56.85	1.054797	1.199221	0.7	13.7	20
Benzo(a)anthracene	A	50.00	55.91	1.127046	1.260227	0.8	11.8	20
Benzo(a)pyrene	A	50.00	55.56	1.037678	1.15312	0.7	11.1	20
Benzo(b)fluoranthene	A	50.00	56.27	1.119538	1.259969	0.7	12.5	20
Benzo(g,h,i)perylene	A	50.00	56.39	0.9327314	1.051889	0.5	12.8	20
Benzoic acid	L	50.00	50.34	0.2119614	0.2192291	0.01	0.7	20
Benzo(k)fluoranthene	A	50.00	58.47	1.183338	1.383682	0.7	16.9	20
4-Bromophenyl-phenylether	A	50.00	56.88	0.1888061	0.2147915	0.1	13.8	20
Butylbenzylphthalate	A	50.00	55.94	0.6706426	0.7502704	0.01	11.9	20
Carbazole	A	50.00	59.92	1.013887	1.214997	0.01	19.8	20
4-Chloro-3-methylphenol	A	50.00	55.75	0.2913522	0.3248366	0.2	11.5	20
4-Chloroaniline	A	50.00	53.60	0.4367423	0.4682288	0.01	7.2	20
Bis(2-chloroethoxy)methane	A	50.00	56.04	0.5182488	0.5808419	0.3	12.1	20
Bis(2-chloroethyl)ether	A	50.00	54.62	1.849551	2.020398	0.7	9.2	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.20	2.322149	2.56365	0.01	10.4	20
2-Chloronaphthalene	A	50.00	52.86	1.14673	1.212368	0.8	5.7	20
2-Chlorophenol	A	50.00	55.72	1.49343	1.664365	0.8	11.4	20
4-Chlorophenyl phenyl ether	A	50.00	53.75	0.5655923	0.6079644	0.4	7.5	20
Chrysene	A	50.00	57.18	1.056978	1.208818	0.7	14.4	20
Dibenz(a,h)anthracene	A	50.00	56.43	0.927476	1.046834	0.4	12.9	20
Dibenzofuran	A	50.00	54.71	1.556891	1.703596	0.8	9.4	20
Di-n-butylphthalate	A	50.00	53.90	1.422346	1.533229	0.01	7.8	20
2,4-Dichlorophenol	A	50.00	57.15	0.241012	0.2754647	0.2	14.3	20
Diethylphthalate	A	50.00	51.62	1.3631	1.407182	0.01	3.2	20
2,4-Dimethylphenol	A	50.00	56.37	0.3519307	0.3967907	0.2	12.7	20
Dimethyl phthalate	A	50.00	53.43	1.312894	1.40299	0.01	6.9	20
4,6-Dinitro-2-methylphenol	L	50.00	56.94	0.1423453	0.1787024	0.01	13.9	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/01/12
Lab Sample ID:	2F15401-ICV1	Injection Time:	01:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	49.86	0.189189	0.204172	0.01	-0.3	20
2,4-Dinitrotoluene	A	50.00	56.18	0.4026331	0.4523617	0.2	12.4	20
2,6-Dinitrotoluene	A	50.00	53.37	0.3082828	0.3290546	0.2	6.7	20
Di-n-octylphthalate	L	50.00	53.80	1.691535	2.025073	0.01	7.6	20
1,2-Diphenylhydrazine	A	50.00	58.61	1.206569	1.414303	0.01	17.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.82	0.9262458	1.034102	0.01	11.6	20
Fluoranthene	A	50.00	57.49	1.116696	1.284003	0.6	15.0	20
Fluorene	A	50.00	53.38	1.192539	1.273271	0.9	6.8	20
Hexachlorobenzene	A	50.00	57.79	0.2086611	0.2411885	0.1	15.6	20
Hexachlorobutadiene	A	50.00	59.70	0.1401148	0.167303	0.01	19.4	20
Hexachlorocyclopentadiene	A	50.00	43.19	0.3377187	0.291715	0.05	-13.6	20
Hexachloroethane	A	50.00	52.64	0.6768699	0.7125546	0.3	5.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	56.43	1.101365	1.242899	0.5	12.9	20
Isophorone	A	50.00	55.82	0.8641251	0.9647871	0.4	11.6	20
1-Methylnaphthalene	A	50.00	55.32	0.4880715	0.5400463	0.01	10.6	20
2-Methylnaphthalene	A	50.00	53.82	0.5061603	0.5448451	0.4	7.6	20
2-Methylphenol	A	50.00	56.69	1.397021	1.58382	0.7	13.4	20
3-Methylphenol/4-Methylphenol	A	50.00	55.23	1.442796	1.593735		10.5	20
4-Nitroaniline	A	50.00	55.74	0.4178622	0.4658575	0.01	11.5	20
3-Nitroaniline	A	50.00	54.25	0.4255398	0.4617218	0.01	8.5	20
2-Nitroaniline	A	50.00	59.60	0.3916404	0.4668146	0.01	19.2	20
Nitrobenzene	A	50.00	55.56	0.4425367	0.4917633	0.2	11.1	20
4-Nitrophenol	A	50.00	53.18	0.2791278	0.2968784	0.01	6.4	20
2-Nitrophenol	A	50.00	55.62	0.1927768	0.2144334	0.1	11.2	20
N-Nitrosodiphenylamine	A	50.00	56.94	0.6161259	0.7016204	0.01	13.9	20
N-Nitroso-di-n-propylamine	A	50.00	55.53	1.158591	1.286832	0.5	11.1	20
Phenanthrene	A	50.00	59.85	1.031015	1.234194	0.7	19.7	20
Phenol	A	50.00	55.06	2.325149	2.56064	0.8	10.1	20
Pyrene	A	50.00	55.24	1.294953	1.430664	0.6	10.5	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/01/12
Lab Sample ID:	2F15401-ICV1	Injection Time:	01:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4,6-Trichlorophenol	A	50.00	54.83	0.3586929	0.393337	0.2	9.7	20
2,4,5-Trichlorophenol	A	50.00	55.16	0.364007	0.4015604	0.2	10.3	20
2-Fluorobiphenyl	A	50.00	50.86	1.275261	1.297282	0.01	1.7	20
2-Fluorophenol	A	100.0	113.2	1.495125	1.692861	0.01	13.2	20
Nitrobenzene-d5	A	50.00	53.39	0.4397155	0.4695129	0.01	6.8	20
Phenol-d6	A	100.0	105.1	1.998108	2.100183	0.01	5.1	20
Terphenyl-d14	A	50.00	56.97	0.7510018	0.8556918	0.01	13.9	20
2,4,6-Tribromophenol	A	100.0	112.7	0.1098978	0.1238618	0.01	12.7	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV2.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/01/12
Lab Sample ID:	2F15401-ICV2	Injection Time:	02:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.73	1.981805	1.931304	0.01	-2.5	20
Atrazine	A	50.00	49.17	0.1871073	0.1839875	0.01	-1.7	20
Benzaldehyde	A	50.00	42.00	1.329702	1.116907	0.01	-16.0	20
1,1-Biphenyl	A	50.00	52.43	1.459667	1.530492	0.01	4.9	20
Caprolactam	A	50.00	56.08	0.1167348	0.1309352	0.01	12.2	20
3,3'-Dichlorobenzidine	A	50.00	52.39	0.384325	0.4026831	0.01	4.8	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV3.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/01/12
Lab Sample ID:	2F15401-ICV3	Injection Time:	16:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Naphthalene	L	50.00	59.82	1.050386	1.239127	0.7	19.6	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV4.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/01/12
Lab Sample ID:	2F15401-ICV4	Injection Time:	17:11

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzidine	A	50.00	55.53	0.8176906	0.9080606	0.01	11.1	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-ICV6.D	Calibration Date:	05/31/12 00:00
Sequence:	2F15401	Injection Date:	06/04/12
Lab Sample ID:	2F15401-ICV5	Injection Time:	15:03

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	L	50.00	49.91	0.1325918	0.1389722	0.05	-0.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H21507	Injection Date:	08/01/12
Lab Sample ID:	2H21507-CCV1	Injection Time:	11:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	52.41	1.136987	1.191721	0.9	4.8	20	
Acenaphthylene	A	50.00	56.74	1.876142	2.128952	0.9	13.5	20	
Anthracene	A	50.00	54.13	1.054797	1.141869	0.7	8.3	20	
Benzo(a)anthracene	A	50.00	54.08	1.127046	1.219024	0.8	8.2	20	
Benzo(a)pyrene	A	50.00	54.83	1.037678	1.137885	0.7	9.7	20	
Benzo(b)fluoranthene	A	50.00	60.28	1.119538	1.349704	0.7	20.6	20	*
Benzo(g,h,i)perylene	A	50.00	55.82	0.9327314	1.041384	0.5	11.6	20	
Benzoic acid	L	50.00	46.09	0.2119614	0.1944667	0.01	-7.8	20	
Benzo(k)fluoranthene	A	50.00	54.57	1.183338	1.291565	0.7	9.1	20	
4-Bromophenyl-phenylether	A	50.00	53.75	0.1888061	0.2029545	0.1	7.5	20	
Butylbenzylphthalate	A	50.00	59.09	0.6706426	0.7926047	0.01	18.2	20	
Carbazole	A	50.00	54.14	1.013887	1.097826	0.01	8.3	20	
4-Chloro-3-methylphenol	A	50.00	50.59	0.2913522	0.2948072	0.2	1.2	20	
4-Chloroaniline	A	50.00	51.96	0.4367423	0.4538336	0.01	3.9	20	
Bis(2-chloroethoxy)methane	A	50.00	50.47	0.5182488	0.5231402	0.3	0.9	20	
Bis(2-chloroethyl)ether	A	50.00	50.16	1.849551	1.85556	0.7	0.3	20	
2,2'-Oxybis-1-chloropropane	A	50.00	63.57	2.322149	2.952219	0.01	27.1	20	*
2-Chloronaphthalene	A	50.00	53.54	1.14673	1.228016	0.8	7.1	20	
2-Chlorophenol	A	50.00	52.68	1.49343	1.573409	0.8	5.4	20	
4-Chlorophenyl phenyl ether	A	50.00	55.98	0.5655923	0.6332729	0.4	12.0	20	
Chrysene	A	50.00	51.83	1.056978	1.095686	0.7	3.7	20	
Dibenz(a,h)anthracene	A	50.00	54.88	0.927476	1.018035	0.4	9.8	20	
Dibenzofuran	A	50.00	51.46	1.556891	1.602298	0.8	2.9	20	
Di-n-butylphthalate	A	50.00	57.36	1.422346	1.631616	0.01	14.7	20	
2,4-Dichlorophenol	A	50.00	52.30	0.241012	0.2520874	0.2	4.6	20	
Diethylphthalate	A	50.00	51.36	1.3631	1.400054	0.01	2.7	20	
2,4-Dimethylphenol	A	50.00	49.94	0.3519307	0.3515335	0.2	-0.1	20	
Dimethyl phthalate	A	50.00	51.51	1.312894	1.352649	0.01	3.0	20	
4,6-Dinitro-2-methylphenol	L	50.00	49.91	0.1423453	0.1539024	0.01	-0.2	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H21507	Injection Date:	08/01/12
Lab Sample ID:	2H21507-CCV1	Injection Time:	11:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	43.34	0.189189	0.1739371	0.01	-13.3	20
2,4-Dinitrotoluene	A	50.00	53.97	0.4026331	0.4346371	0.2	7.9	20
2,6-Dinitrotoluene	A	50.00	51.76	0.3082828	0.3191341	0.2	3.5	20
Di-n-octylphthalate	L	50.00	55.08	1.691535	2.076068	0.01	10.2	20
1,2-Diphenylhydrazine	A	50.00	56.78	1.206569	1.370078	0.01	13.6	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.42	0.9262458	1.063615	0.01	14.8	20
Fluoranthene	A	50.00	52.97	1.116696	1.183014	0.6	5.9	20
Fluorene	A	50.00	53.69	1.192539	1.280639	0.9	7.4	20
Hexachlorobenzene	A	50.00	55.19	0.2086611	0.2303114	0.1	10.4	20
Hexachlorobutadiene	A	50.00	50.04	0.1401148	0.1402173	0.01	0.07	20
Hexachlorocyclopentadiene	A	50.00	45.81	0.3377187	0.3094269	0.05	-8.4	20
Hexachloroethane	A	50.00	50.43	0.6768699	0.6826659	0.3	0.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.98	1.101365	1.233072	0.5	12.0	20
Isophorone	A	50.00	50.06	0.8641251	0.8650918	0.4	0.1	20
1-Methylnaphthalene	A	50.00	53.37	0.4880715	0.5209457	0.01	6.7	20
2-Methylnaphthalene	A	50.00	53.86	0.5061603	0.5452386	0.4	7.7	20
2-Methylphenol	A	50.00	52.40	1.397021	1.464018	0.7	4.8	20
3-Methylphenol/4-Methylphenol	A	50.00	52.19	1.442796	1.505904		4.4	20
Naphthalene	L	50.00	55.94	1.050386	1.160264	0.7	11.9	20
4-Nitroaniline	A	50.00	51.18	0.4178622	0.4277143	0.01	2.4	20
3-Nitroaniline	A	50.00	52.35	0.4255398	0.4455546	0.01	4.7	20
2-Nitroaniline	A	50.00	54.95	0.3916404	0.43044	0.01	9.9	20
Nitrobenzene	A	50.00	52.38	0.4425367	0.4635696	0.2	4.8	20
4-Nitrophenol	A	50.00	52.94	0.2791278	0.2955413	0.01	5.9	20
2-Nitrophenol	A	50.00	52.88	0.1927768	0.2038863	0.1	5.8	20
N-Nitrosodiphenylamine	A	50.00	55.67	0.6161259	0.6860053	0.01	11.3	20
N-Nitroso-di-n-propylamine	A	50.00	54.98	1.158591	1.273964	0.5	10.0	20
Pentachlorophenol	L	50.00	50.78	0.1325918	0.1415305	0.05	1.6	20
Phenanthrene	A	50.00	56.12	1.031015	1.15711	0.7	12.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H21507	Injection Date:	08/01/12
Lab Sample ID:	2H21507-CCV1	Injection Time:	11:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	50.37	2.325149	2.342283	0.8	0.7	20
Pyrene	A	50.00	55.81	1.294953	1.445379	0.6	11.6	20
2,4,6-Trichlorophenol	A	50.00	52.14	0.3586929	0.3740089	0.2	4.3	20
2,4,5-Trichlorophenol	A	50.00	50.43	0.364007	0.3671356	0.2	0.9	20
2-Fluorobiphenyl	A	50.00	51.44	1.275261	1.311864	0.01	2.9	20
2-Fluorophenol	A	100.0	105.0	1.495125	1.570213	0.01	5.0	20
Nitrobenzene-d5	A	50.00	49.21	0.4397155	0.4327994	0.01	-1.6	20
Phenol-d6	A	100.0	103.6	1.998108	2.069468	0.01	3.6	20
Terphenyl-d14	A	50.00	56.38	0.7510018	0.8467892	0.01	12.8	20
2,4,6-Tribromophenol	A	100.0	112.8	0.1098978	0.1239493	0.01	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

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	05/31/12 00:00
Sequence:	2H21507	Injection Date:	08/01/12
Lab Sample ID:	2H21507-CCV2	Injection Time:	11:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	46.03	1.981805	1.824494	0.01	-7.9	20
Atrazine	A	50.00	49.46	0.1871073	0.1850925	0.01	-1.1	20
Benzaldehyde	A	50.00	48.28	1.329702	1.283954	0.01	-3.4	20
Benzidine	A	50.00	55.10	0.8176906	0.9011914	0.01	10.2	20
1,1-Biphenyl	A	50.00	50.91	1.459667	1.486142	0.01	1.8	20
Caprolactam	A	50.00	47.13	0.1167348	0.1100325	0.01	-5.7	20
3,3'-Dichlorobenzidine	A	50.00	52.38	0.384325	0.4025852	0.01	4.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22112	Injection Date:	08/07/12
Lab Sample ID:	2H22112-CCV1	Injection Time:	15:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	53.26	1.136987	1.211068	0.9	6.5	20	
Acenaphthylene	A	50.00	54.63	1.876142	2.049974	0.9	9.3	20	
Anthracene	A	50.00	53.78	1.054797	1.134593	0.7	7.6	20	
Benzo(a)anthracene	A	50.00	53.60	1.127046	1.208118	0.8	7.2	20	
Benzo(a)pyrene	A	50.00	55.25	1.037678	1.146641	0.7	10.5	20	
Benzo(b)fluoranthene	A	50.00	51.62	1.119538	1.155728	0.7	3.2	20	
Benzo(g,h,i)perylene	A	50.00	54.50	0.9327314	1.016689	0.5	9.0	20	
Benzoic acid	L	50.00	40.46	0.2119614	0.1616656	0.01	-19.1	20	
Benzo(k)fluoranthene	A	50.00	61.95	1.183338	1.466247	0.7	23.9	20	*
4-Bromophenyl-phenylether	A	50.00	52.68	0.1888061	0.19891	0.1	5.4	20	
Butylbenzylphthalate	A	50.00	57.88	0.6706426	0.776319	0.01	15.8	20	
Carbazole	A	50.00	54.76	1.013887	1.110412	0.01	9.5	20	
4-Chloro-3-methylphenol	A	50.00	49.76	0.2913522	0.2899779	0.2	-0.5	20	
4-Chloroaniline	A	50.00	52.62	0.4367423	0.459607	0.01	5.2	20	
Bis(2-chloroethoxy)methane	A	50.00	48.18	0.5182488	0.4993923	0.3	-3.6	20	
Bis(2-chloroethyl)ether	A	50.00	48.11	1.849551	1.779773	0.7	-3.8	20	
2,2'-Oxybis-1-chloropropane	A	50.00	63.62	2.322149	2.954893	0.01	27.2	20	*
2-Chloronaphthalene	A	50.00	52.38	1.14673	1.201384	0.8	4.8	20	
2-Chlorophenol	A	50.00	52.71	1.49343	1.574447	0.8	5.4	20	
4-Chlorophenyl phenyl ether	A	50.00	53.34	0.5655923	0.6033947	0.4	6.7	20	
Chrysene	A	50.00	52.02	1.056978	1.099576	0.7	4.0	20	
Dibenz(a,h)anthracene	A	50.00	54.73	0.927476	1.015285	0.4	9.5	20	
Dibenzofuran	A	50.00	52.24	1.556891	1.626743	0.8	4.5	20	
Di-n-butylphthalate	A	50.00	57.03	1.422346	1.622277	0.01	14.1	20	
2,4-Dichlorophenol	A	50.00	51.18	0.241012	0.2467161	0.2	2.4	20	
Diethylphthalate	A	50.00	54.50	1.3631	1.485734	0.01	9.0	20	
2,4-Dimethylphenol	A	50.00	50.03	0.3519307	0.3521707	0.2	0.07	20	
Dimethyl phthalate	A	50.00	53.83	1.312894	1.413484	0.01	7.7	20	
4,6-Dinitro-2-methylphenol	L	50.00	46.29	0.1423453	0.1411273	0.01	-7.4	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22112	Injection Date:	08/07/12
Lab Sample ID:	2H22112-CCV1	Injection Time:	15:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	43.80	0.189189	0.1760349	0.01	-12.4	20
2,4-Dinitrotoluene	A	50.00	53.10	0.4026331	0.4275783	0.2	6.2	20
2,6-Dinitrotoluene	A	50.00	52.93	0.3082828	0.3263629	0.2	5.9	20
Di-n-octylphthalate	L	50.00	53.59	1.691535	2.016866	0.01	7.2	20
1,2-Diphenylhydrazine	A	50.00	54.17	1.206569	1.307246	0.01	8.3	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.43	0.9262458	1.026811	0.01	10.9	20
Fluoranthene	A	50.00	55.07	1.116696	1.230011	0.6	10.1	20
Fluorene	A	50.00	55.68	1.192539	1.328123	0.9	11.4	20
Hexachlorobenzene	A	50.00	52.57	0.2086611	0.2194007	0.1	5.1	20
Hexachlorobutadiene	A	50.00	46.46	0.1401148	0.130187	0.01	-7.1	20
Hexachlorocyclopentadiene	A	50.00	47.69	0.3377187	0.3221205	0.05	-4.6	20
Hexachloroethane	A	50.00	52.66	0.6768699	0.71284	0.3	5.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.58	1.101365	1.224209	0.5	11.2	20
Isophorone	A	50.00	48.36	0.8641251	0.8357846	0.4	-3.3	20
1-Methylnaphthalene	A	50.00	52.05	0.4880715	0.5080562	0.01	4.1	20
2-Methylnaphthalene	A	50.00	52.73	0.5061603	0.5337573	0.4	5.5	20
2-Methylphenol	A	50.00	51.00	1.397021	1.425043	0.7	2.0	20
3-Methylphenol/4-Methylphenol	A	50.00	51.76	1.442796	1.493664		3.5	20
Naphthalene	L	50.00	53.75	1.050386	1.115644	0.7	7.5	20
4-Nitroaniline	A	50.00	55.28	0.4178622	0.4619706	0.01	10.6	20
3-Nitroaniline	A	50.00	53.49	0.4255398	0.4552349	0.01	7.0	20
2-Nitroaniline	A	50.00	53.83	0.3916404	0.4216317	0.01	7.7	20
Nitrobenzene	A	50.00	50.07	0.4425367	0.4431466	0.2	0.1	20
4-Nitrophenol	A	50.00	54.30	0.2791278	0.3031093	0.01	8.6	20
2-Nitrophenol	A	50.00	53.01	0.1927768	0.2043917	0.1	6.0	20
N-Nitrosodiphenylamine	A	50.00	54.60	0.6161259	0.6727859	0.01	9.2	20
N-Nitroso-di-n-propylamine	A	50.00	53.57	1.158591	1.241269	0.5	7.1	20
Pentachlorophenol	L	50.00	46.31	0.1325918	0.128264	0.05	-7.4	20
Phenanthrene	A	50.00	54.77	1.031015	1.12936	0.7	9.5	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22112	Injection Date:	08/07/12
Lab Sample ID:	2H22112-CCV1	Injection Time:	15:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	48.15	2.325149	2.238995	0.8	-3.7	20
Pyrene	A	50.00	55.73	1.294953	1.443291	0.6	11.5	20
2,4,6-Trichlorophenol	A	50.00	50.99	0.3586929	0.3658218	0.2	2.0	20
2,4,5-Trichlorophenol	A	50.00	49.45	0.364007	0.3599898	0.2	-1.1	20
2-Fluorobiphenyl	A	50.00	52.02	1.275261	1.326862	0.01	4.0	20
2-Fluorophenol	A	100.0	104.8	1.495125	1.567072	0.01	4.8	20
Nitrobenzene-d5	A	50.00	46.29	0.4397155	0.4070732	0.01	-7.4	20
Phenol-d6	A	100.0	102.8	1.998108	2.054531	0.01	2.8	20
Terphenyl-d14	A	50.00	55.62	0.7510018	0.8354446	0.01	11.2	20
2,4,6-Tribromophenol	A	100.0	106.7	0.1098978	0.1172574	0.01	6.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22112	Injection Date:	08/07/12
Lab Sample ID:	2H22112-CCV2	Injection Time:	16:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	46.31	1.981805	1.835664	0.01	-7.4	20
Atrazine	A	50.00	46.21	0.1871073	0.1729306	0.01	-7.6	20
Benzaldehyde	A	50.00	45.18	1.329702	1.201489	0.01	-9.6	20
Benzidine	A	50.00	52.45	0.8176906	0.8577171	0.01	4.9	20
1,1-Biphenyl	A	50.00	53.33	1.459667	1.556769	0.01	6.7	20
Caprolactam	A	50.00	51.08	0.1167348	0.1192654	0.01	2.2	20
3,3'-Dichlorobenzidine	A	50.00	52.00	0.384325	0.3996602	0.01	4.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22605	Injection Date:	08/09/12
Lab Sample ID:	2H22605-CCV1	Injection Time:	14:11

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	51.44	1.136987	1.169696	0.9	2.9	20	
Acenaphthylene	A	50.00	53.36	1.876142	2.00233	0.9	6.7	20	
Anthracene	A	50.00	54.44	1.054797	1.148406	0.7	8.9	20	
Benzo(a)anthracene	A	50.00	52.36	1.127046	1.180311	0.8	4.7	20	
Benzo(a)pyrene	A	50.00	54.09	1.037678	1.122566	0.7	8.2	20	
Benzo(b)fluoranthene	A	50.00	52.34	1.119538	1.171891	0.7	4.7	20	
Benzo(g,h,i)perylene	A	50.00	53.98	0.9327314	1.006907	0.5	8.0	20	
Benzoic acid	L	50.00	37.47	0.2119614	0.1441828	0.01	-25.1	20	*
Benzo(k)fluoranthene	A	50.00	57.92	1.183338	1.370767	0.7	15.8	20	
4-Bromophenyl-phenylether	A	50.00	51.31	0.1888061	0.1937631	0.1	2.6	20	
Butylbenzylphthalate	A	50.00	54.54	0.6706426	0.7315244	0.01	9.1	20	
Carbazole	A	50.00	56.17	1.013887	1.139091	0.01	12.3	20	
4-Chloro-3-methylphenol	A	50.00	49.23	0.2913522	0.2868737	0.2	-1.5	20	
4-Chloroaniline	A	50.00	50.75	0.4367423	0.4432947	0.01	1.5	20	
Bis(2-chloroethoxy)methane	A	50.00	45.83	0.5182488	0.4750698	0.3	-8.3	20	
Bis(2-chloroethyl)ether	A	50.00	49.20	1.849551	1.81992	0.7	-1.6	20	
2,2'-Oxybis-1-chloropropane	A	50.00	66.01	2.322149	3.065852	0.01	32.0	20	*
2-Chloronaphthalene	A	50.00	53.76	1.14673	1.232986	0.8	7.5	20	
2-Chlorophenol	A	50.00	54.92	1.49343	1.640305	0.8	9.8	20	
4-Chlorophenyl phenyl ether	A	50.00	52.76	0.5655923	0.5967754	0.4	5.5	20	
Chrysene	A	50.00	51.86	1.056978	1.096328	0.7	3.7	20	
Dibenz(a,h)anthracene	A	50.00	54.25	0.927476	1.006377	0.4	8.5	20	
Dibenzofuran	A	50.00	52.18	1.556891	1.624874	0.8	4.4	20	
Di-n-butylphthalate	A	50.00	58.86	1.422346	1.674337	0.01	17.7	20	
2,4-Dichlorophenol	A	50.00	50.19	0.241012	0.2419429	0.2	0.4	20	
Diethylphthalate	A	50.00	52.19	1.3631	1.42278	0.01	4.4	20	
2,4-Dimethylphenol	A	50.00	47.96	0.3519307	0.3375812	0.2	-4.1	20	
Dimethyl phthalate	A	50.00	52.77	1.312894	1.385584	0.01	5.5	20	
4,6-Dinitro-2-methylphenol	L	50.00	48.39	0.1423453	0.1485241	0.01	-3.2	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22605	Injection Date:	08/09/12
Lab Sample ID:	2H22605-CCV1	Injection Time:	14:11

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	43.76	0.189189	0.1758768	0.01	-12.5	20
2,4-Dinitrotoluene	A	50.00	49.12	0.4026331	0.3955825	0.2	-1.8	20
2,6-Dinitrotoluene	A	50.00	51.88	0.3082828	0.3199087	0.2	3.8	20
Di-n-octylphthalate	L	50.00	53.66	1.691535	2.019593	0.01	7.3	20
1,2-Diphenylhydrazine	A	50.00	52.53	1.206569	1.267554	0.01	5.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.96	0.9262458	0.9997151	0.01	7.9	20
Fluoranthene	A	50.00	54.43	1.116696	1.215559	0.6	8.9	20
Fluorene	A	50.00	55.12	1.192539	1.314724	0.9	10.2	20
Hexachlorobenzene	A	50.00	51.80	0.2086611	0.2161833	0.1	3.6	20
Hexachlorobutadiene	A	50.00	46.95	0.1401148	0.1315756	0.01	-6.1	20
Hexachlorocyclopentadiene	A	50.00	47.49	0.3377187	0.320748	0.05	-5.0	20
Hexachloroethane	A	50.00	53.18	0.6768699	0.7199026	0.3	6.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.73	1.101365	1.183506	0.5	7.5	20
Isophorone	A	50.00	45.80	0.8641251	0.7914956	0.4	-8.4	20
1-Methylnaphthalene	A	50.00	54.26	0.4880715	0.5296424	0.01	8.5	20
2-Methylnaphthalene	A	50.00	54.10	0.5061603	0.5476871	0.4	8.2	20
2-Methylphenol	A	50.00	54.82	1.397021	1.53162	0.7	9.6	20
3-Methylphenol/4-Methylphenol	A	50.00	53.75	1.442796	1.551047		7.5	20
Naphthalene	L	50.00	54.28	1.050386	1.12646	0.7	8.6	20
4-Nitroaniline	A	50.00	53.77	0.4178622	0.4494029	0.01	7.5	20
3-Nitroaniline	A	50.00	52.69	0.4255398	0.4484488	0.01	5.4	20
2-Nitroaniline	A	50.00	58.02	0.3916404	0.454458	0.01	16.0	20
Nitrobenzene	A	50.00	48.82	0.4425367	0.4320707	0.2	-2.4	20
4-Nitrophenol	A	50.00	54.94	0.2791278	0.3067251	0.01	9.9	20
2-Nitrophenol	A	50.00	51.26	0.1927768	0.1976391	0.1	2.5	20
N-Nitrosodiphenylamine	A	50.00	54.31	0.6161259	0.6692356	0.01	8.6	20
N-Nitroso-di-n-propylamine	A	50.00	54.64	1.158591	1.266215	0.5	9.3	20
Pentachlorophenol	L	50.00	47.33	0.1325918	0.1313004	0.05	-5.3	20
Phenanthrene	A	50.00	53.98	1.031015	1.113137	0.7	8.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22605	Injection Date:	08/09/12
Lab Sample ID:	2H22605-CCV1	Injection Time:	14:11

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	51.31	2.325149	2.386032	0.8	2.6	20
Pyrene	A	50.00	54.78	1.294953	1.418776	0.6	9.6	20
2,4,6-Trichlorophenol	A	50.00	51.80	0.3586929	0.3716191	0.2	3.6	20
2,4,5-Trichlorophenol	A	50.00	50.44	0.364007	0.3672325	0.2	0.9	20
2-Fluorobiphenyl	A	50.00	51.74	1.275261	1.319765	0.01	3.5	20
2-Fluorophenol	A	100.0	104.7	1.495125	1.565214	0.01	4.7	20
Nitrobenzene-d5	A	50.00	48.06	0.4397155	0.4226829	0.01	-3.9	20
Phenol-d6	A	100.0	108.9	1.998108	2.176383	0.01	8.9	20
Terphenyl-d14	A	50.00	52.44	0.7510018	0.787624	0.01	4.9	20
2,4,6-Tribromophenol	A	100.0	108.4	0.1098978	0.11909	0.01	8.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22605	Injection Date:	08/09/12
Lab Sample ID:	2H22605-CCV2	Injection Time:	14:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	52.15	1.981805	2.067197	0.01	4.3	20
Atrazine	A	50.00	50.73	0.1871073	0.1898305	0.01	1.5	20
Benzaldehyde	A	50.00	49.54	1.329702	1.31759	0.01	-0.9	20
Benzidine	A	50.00	53.91	0.8176906	0.881686	0.01	7.8	20
1,1-Biphenyl	A	50.00	54.64	1.459667	1.595058	0.01	9.3	20
Caprolactam	A	50.00	51.38	0.1167348	0.1199595	0.01	2.8	20
3,3'-Dichlorobenzidine	A	50.00	50.90	0.384325	0.3912398	0.01	1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22708	Injection Date:	08/13/12
Lab Sample ID:	2H22708-CCV1	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.95	1.136987	1.226803	0.9	7.9	20
Acenaphthylene	A	50.00	54.83	1.876142	2.057419	0.9	9.7	20
Anthracene	A	50.00	53.80	1.054797	1.135083	0.7	7.6	20
Benzo(a)anthracene	A	50.00	52.11	1.127046	1.174653	0.8	4.2	20
Benzo(a)pyrene	A	50.00	53.35	1.037678	1.107271	0.7	6.7	20
Benzo(b)fluoranthene	A	50.00	52.17	1.119538	1.168066	0.7	4.3	20
Benzo(g,h,i)perylene	A	50.00	54.01	0.9327314	1.007541	0.5	8.0	20
Benzoic acid	L	50.00	42.90	0.2119614	0.1758353	0.01	-14.2	20
Benzo(k)fluoranthene	A	50.00	54.81	1.183338	1.297267	0.7	9.6	20
4-Bromophenyl-phenylether	A	50.00	52.30	0.1888061	0.1974878	0.1	4.6	20
Butylbenzylphthalate	A	50.00	57.15	0.6706426	0.7665548	0.01	14.3	20
Carbazole	A	50.00	55.34	1.013887	1.122254	0.01	10.7	20
4-Chloro-3-methylphenol	A	50.00	52.05	0.2913522	0.3033255	0.2	4.1	20
4-Chloroaniline	A	50.00	52.74	0.4367423	0.4606968	0.01	5.5	20
Bis(2-chloroethoxy)methane	A	50.00	47.33	0.5182488	0.4905711	0.3	-5.3	20
Bis(2-chloroethyl)ether	A	50.00	47.47	1.849551	1.756108	0.7	-5.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	57.78	2.322149	2.683733	0.01	15.6	20
2-Chloronaphthalene	A	50.00	50.53	1.14673	1.158866	0.8	1.1	20
2-Chlorophenol	A	50.00	55.24	1.49343	1.650099	0.8	10.5	20
4-Chlorophenyl phenyl ether	A	50.00	51.91	0.5655923	0.5871955	0.4	3.8	20
Chrysene	A	50.00	51.03	1.056978	1.078713	0.7	2.1	20
Dibenz(a,h)anthracene	A	50.00	53.60	0.927476	0.9943181	0.4	7.2	20
Dibenzofuran	A	50.00	52.35	1.556891	1.630006	0.8	4.7	20
Di-n-butylphthalate	A	50.00	59.19	1.422346	1.683816	0.01	18.4	20
2,4-Dichlorophenol	A	50.00	52.27	0.241012	0.2519367	0.2	4.5	20
Diethylphthalate	A	50.00	53.64	1.3631	1.462229	0.01	7.3	20
2,4-Dimethylphenol	A	50.00	51.29	0.3519307	0.3609963	0.2	2.6	20
Dimethyl phthalate	A	50.00	53.87	1.312894	1.414627	0.01	7.7	20
4,6-Dinitro-2-methylphenol	L	50.00	49.72	0.1423453	0.1532037	0.01	-0.6	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22708	Injection Date:	08/13/12
Lab Sample ID:	2H22708-CCV1	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	49.46	0.189189	0.2023119	0.01	-1.1	20
2,4-Dinitrotoluene	A	50.00	52.81	0.4026331	0.4252351	0.2	5.6	20
2,6-Dinitrotoluene	A	50.00	51.42	0.3082828	0.3170294	0.2	2.8	20
Di-n-octylphthalate	L	50.00	53.67	1.691535	2.019898	0.01	7.3	20
1,2-Diphenylhydrazine	A	50.00	50.68	1.206569	1.223006	0.01	1.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.53	0.9262458	1.047242	0.01	13.1	20
Fluoranthene	A	50.00	53.82	1.116696	1.20191	0.6	7.6	20
Fluorene	A	50.00	55.48	1.192539	1.323202	0.9	11.0	20
Hexachlorobenzene	A	50.00	50.58	0.2086611	0.2110755	0.1	1.2	20
Hexachlorobutadiene	A	50.00	46.56	0.1401148	0.1304738	0.01	-6.9	20
Hexachlorocyclopentadiene	A	50.00	48.60	0.3377187	0.3282933	0.05	-2.8	20
Hexachloroethane	A	50.00	50.22	0.6768699	0.6798301	0.3	0.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	54.11	1.101365	1.191817	0.5	8.2	20
Isophorone	A	50.00	45.53	0.8641251	0.7869421	0.4	-8.9	20
1-Methylnaphthalene	A	50.00	53.00	0.4880715	0.517412	0.01	6.0	20
2-Methylnaphthalene	A	50.00	53.13	0.5061603	0.5378326	0.4	6.3	20
2-Methylphenol	A	50.00	51.99	1.397021	1.452565	0.7	4.0	20
3-Methylphenol/4-Methylphenol	A	50.00	53.42	1.442796	1.541623		6.8	20
Naphthalene	L	50.00	54.27	1.050386	1.126346	0.7	8.5	20
4-Nitroaniline	A	50.00	53.08	0.4178622	0.4436317	0.01	6.2	20
3-Nitroaniline	A	50.00	55.38	0.4255398	0.4713129	0.01	10.8	20
2-Nitroaniline	A	50.00	53.26	0.3916404	0.4171481	0.01	6.5	20
Nitrobenzene	A	50.00	46.26	0.4425367	0.4094516	0.2	-7.5	20
4-Nitrophenol	A	50.00	52.37	0.2791278	0.2923592	0.01	4.7	20
2-Nitrophenol	A	50.00	53.63	0.1927768	0.2067723	0.1	7.3	20
N-Nitrosodiphenylamine	A	50.00	55.33	0.6161259	0.6818609	0.01	10.7	20
N-Nitroso-di-n-propylamine	A	50.00	52.33	1.158591	1.212522	0.5	4.7	20
Pentachlorophenol	L	50.00	47.19	0.1325918	0.13088	0.05	-5.6	20
Phenanthrene	A	50.00	54.37	1.031015	1.121099	0.7	8.7	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV1.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22708	Injection Date:	08/13/12
Lab Sample ID:	2H22708-CCV1	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	48.88	2.325149	2.272907	0.8	-2.2	20
Pyrene	A	50.00	54.98	1.294953	1.424002	0.6	10.0	20
2,4,6-Trichlorophenol	A	50.00	51.74	0.3586929	0.3711551	0.2	3.5	20
2,4,5-Trichlorophenol	A	50.00	52.72	0.364007	0.3838379	0.2	5.4	20
2-Fluorobiphenyl	A	50.00	51.18	1.275261	1.305389	0.01	2.4	20
2-Fluorophenol	A	100.0	101.9	1.495125	1.523132	0.01	1.9	20
Nitrobenzene-d5	A	50.00	44.20	0.4397155	0.3887423	0.01	-11.6	20
Phenol-d6	A	100.0	102.8	1.998108	2.053197	0.01	2.8	20
Terphenyl-d14	A	50.00	51.74	0.7510018	0.7772217	0.01	3.5	20
2,4,6-Tribromophenol	A	100.0	109.7	0.1098978	0.1206015	0.01	9.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQ-CCV2.D	Calibration Date:	05/31/12 00:00
Sequence:	2H22708	Injection Date:	08/13/12
Lab Sample ID:	2H22708-CCV2	Injection Time:	15:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	50.96	1.981805	2.01995	0.01	1.9	20
Atrazine	A	50.00	52.42	0.1871073	0.1961665	0.01	4.8	20
Benzaldehyde	A	50.00	50.21	1.329702	1.335255	0.01	0.4	20
Benzidine	A	50.00	55.69	0.8176906	0.9107276	0.01	11.4	20
1,1-Biphenyl	A	50.00	50.33	1.459667	1.469369	0.01	0.7	20
Caprolactam	A	50.00	50.45	0.1167348	0.1177828	0.01	0.9	20
3,3'-Dichlorobenzidine	A	50.00	53.88	0.384325	0.4141114	0.01	7.8	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G26004-BLK1 File ID: G26004B1.D

Sampled: Prepared: Analyzed: 08/01/12 12:23

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	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	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	X, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G26004-BLK1	File ID:	G26004B1.D
Sampled:		Prepared:		Analyzed:	08/01/12 12:23
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.35	74.7	50 - 110	
2-Fluorophenol	100.0	30.80	30.8	20 - 110	
Nitrobenzene-d5	50.00	33.44	66.9	40 - 110	
Phenol-d6	100.0	16.60	16.6	0 - 110	
Terphenyl-d14	50.00	47.61	95.2	50 - 135	
2,4,6-Tribromophenol	100.0	79.63	79.6	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_058

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

Matrix: | Laboratory ID: 2G26004-BS1 | File ID: G26004L1.D

Sampled: | Prepared: | Analyzed: 08/01/12 12:51

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G26004 | Sequence: 2H21507 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	35.66	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.31	1.25	2.50	5.00	
98-86-2	Acetophenone	38.69	1.25	2.50	5.00	
120-12-7	Anthracene	40.60	1.25	2.50	5.00	
1912-24-9	Atrazine	47.50	1.25	2.50	5.00	
100-52-7	Benzaldehyde	37.66	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	42.11	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.71	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	47.55	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	43.89	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	43.14	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.96	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	39.76	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.96	1.25	2.50	5.00	
105-60-2	Caprolactam	8.547	1.25	2.50	5.00	
86-74-8	Carbazole	48.54	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	75.04	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.60	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	34.50	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	33.07	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	40.88	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	33.48	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	68.03	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	37.29	1.25	2.50	5.00	
218-01-9	Chrysene	41.63	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.58	1.25	2.50	5.00	
132-64-9	Dibenzofuran	35.94	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.19	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	41.62	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	73.33	1.25	2.50	5.00	
84-66-2	Diethylphthalate	39.61	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	69.74	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	39.16	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	87.87	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	58.73	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	37.30	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	37.17	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	48.00	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G26004-BS1 File ID: G26004L1.D

Sampled: Prepared: Analyzed: 08/01/12 12:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.98	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	47.85	1.25	2.50	5.00	
206-44-0	Fluoranthene	42.27	1.25	2.50	5.00	
86-73-7	Fluorene	38.27	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	38.83	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	25.49	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	18.14	1.25	5.00	10.0	
67-72-1	Hexachloroethane	24.12	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.28	1.25	2.50	5.00	
78-59-1	Isophorone	29.22	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	35.35	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	30.73	1.25	2.50	5.00	
95-48-7	2-Methylphenol	56.27	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.90	1.25	2.50	5.00	
91-20-3	Naphthalene	31.16	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	43.99	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	40.30	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.61	5.00	10.0	20.0	
98-95-3	Nitrobenzene	31.43	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.24	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	75.37	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	34.52	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	38.06	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	91.20	5.00	10.0	20.0	
85-01-8	Phenanthrene	41.88	1.25	2.50	5.00	
108-95-2	Phenol	20.93	1.25	2.50	5.00	
129-00-0	Pyrene	44.23	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	78.29	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	82.77	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.38	72.8	50 - 110	
2-Fluorophenol	100.0	33.60	33.6	20 - 110	
Nitrobenzene-d5	50.00	32.50	65.0	40 - 110	
Phenol-d6	100.0	18.79	18.8	0 - 110	
Terphenyl-d14	50.00	42.25	84.5	50 - 135	
2,4,6-Tribromophenol	100.0	83.96	84.0	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G26004-MS1 File ID: 0713005M.D

Sampled: Prepared: Analyzed: 08/01/12 14:42

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.35	1.23	2.45	4.90	
208-96-8	Acenaphthylene	42.25	1.23	2.45	4.90	
98-86-2	Acetophenone	45.14	1.23	2.45	4.90	
120-12-7	Anthracene	41.86	1.23	2.45	4.90	
1912-24-9	Atrazine	48.13	1.23	2.45	4.90	
100-52-7	Benzaldehyde	42.82	1.23	2.45	4.90	
92-87-5	Benzidine		12.3	49.0	98.0	U
56-55-3	Benzo(a)anthracene	43.63	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	43.77	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	47.75	1.23	2.45	4.90	X
191-24-2	Benzo(g,h,i)perylene	46.45	1.23	2.45	4.90	
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene	44.31	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	51.27	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	40.84	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	50.49	1.23	2.45	4.90	
105-60-2	Caprolactam	9.147	1.23	2.45	4.90	
86-74-8	Carbazole	50.25	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	85.88	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	40.37	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	42.86	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	38.80	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	48.45	1.23	2.45	4.90	X
91-58-7	2-Chloronaphthalene	38.87	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	79.05	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	40.29	1.23	2.45	4.90	
218-01-9	Chrysene	43.15	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	45.22	1.23	2.45	4.90	
132-64-9	Dibenzofuran	39.20	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	45.73	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	42.64	1.23	2.45	4.90	
120-83-2	2,4-Dichlorophenol	86.95	1.23	2.45	4.90	
84-66-2	Diethylphthalate	42.19	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	84.63	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	44.12	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	86.32	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	64.52	8.17	24.5	49.0	
121-14-2	2,4-Dinitrotoluene	40.49	1.23	2.45	4.90	
606-20-2	2,6-Dinitrotoluene	39.85	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	48.65	1.23	2.45	4.90	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G26004-MS1 File ID: 0713005M.D

Sampled: Prepared: Analyzed: 08/01/12 14:42

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	49.19	1.23	2.45	4.90	
117-81-7	Bis(2-ethylhexyl)phthalate	48.43	1.23	2.45	4.90	
206-44-0	Fluoranthene	41.95	1.23	2.45	4.90	
86-73-7	Fluorene	42.29	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	42.03	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	29.97	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	22.95	1.23	4.90	9.80	
67-72-1	Hexachloroethane	31.05	1.23	2.45	4.90	
193-39-5	Indeno(1,2,3-cd)pyrene	45.96	1.23	2.45	4.90	
78-59-1	Isophorone	34.07	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	41.59	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	36.05	1.23	2.45	4.90	
95-48-7	2-Methylphenol	66.28	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	59.88	1.23	2.45	4.90	
91-20-3	Naphthalene	39.45	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	49.04	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	42.06	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	53.80	4.90	9.80	19.6	
98-95-3	Nitrobenzene	38.48	1.23	2.45	4.90	
100-02-7	4-Nitrophenol	30.07	4.90	9.80	19.6	
88-75-5	2-Nitrophenol	91.55	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	36.05	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	43.86	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	90.64	4.90	9.80	19.6	
85-01-8	Phenanthrene	44.75	1.23	2.45	4.90	
108-95-2	Phenol	24.99	1.23	2.45	4.90	
129-00-0	Pyrene	46.20	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	89.22	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	97.22	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.10	85.9	50 - 110	
2-Fluorophenol	98.04	41.49	42.3	20 - 110	
Nitrobenzene-d5	49.02	39.65	80.9	40 - 110	
Phenol-d6	98.04	22.86	23.3	0 - 110	
Terphenyl-d14	49.02	45.14	92.1	50 - 135	
2,4,6-Tribromophenol	98.04	90.88	92.7	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G26004-MSD1 File ID: 0713005S.D

Sampled: Prepared: Analyzed: 08/01/12 15:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.91	1.23	2.45	4.90	
208-96-8	Acenaphthylene	39.03	1.23	2.45	4.90	
98-86-2	Acetophenone	40.63	1.23	2.45	4.90	
120-12-7	Anthracene	45.37	1.23	2.45	4.90	
1912-24-9	Atrazine	49.53	1.23	2.45	4.90	
100-52-7	Benzaldehyde	37.93	1.23	2.45	4.90	
92-87-5	Benzidine		12.3	49.0	98.0	U
56-55-3	Benzo(a)anthracene	44.14	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	43.12	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	45.38	1.23	2.45	4.90	X
191-24-2	Benzo(g,h,i)perylene	44.90	1.23	2.45	4.90	
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene	44.84	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	47.42	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	41.64	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	52.36	1.23	2.45	4.90	
105-60-2	Caprolactam	8.744	1.23	2.45	4.90	
86-74-8	Carbazole	50.81	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	78.45	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	38.73	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	37.84	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	34.34	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	42.87	1.23	2.45	4.90	X
91-58-7	2-Chloronaphthalene	34.77	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	69.85	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	39.69	1.23	2.45	4.90	
218-01-9	Chrysene	44.43	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	44.01	1.23	2.45	4.90	
132-64-9	Dibenzofuran	36.60	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	48.14	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	45.81	1.23	2.45	4.90	
120-83-2	2,4-Dichlorophenol	79.82	1.23	2.45	4.90	
84-66-2	Diethylphthalate	42.30	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	75.17	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	42.34	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	90.67	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	67.11	8.17	24.5	49.0	
121-14-2	2,4-Dinitrotoluene	41.58	1.23	2.45	4.90	
606-20-2	2,6-Dinitrotoluene	41.49	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	47.50	1.23	2.45	4.90	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G26004-MSD1 File ID: 0713005S.D

Sampled: Prepared: Analyzed: 08/01/12 15:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G26004 Sequence: 2H21507 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	49.50	1.23	2.45	4.90	
117-81-7	Bis(2-ethylhexyl)phthalate	51.32	1.23	2.45	4.90	
206-44-0	Fluoranthene	43.56	1.23	2.45	4.90	
86-73-7	Fluorene	40.87	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	41.30	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	26.56	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	18.19	1.23	4.90	9.80	
67-72-1	Hexachloroethane	25.13	1.23	2.45	4.90	
193-39-5	Indeno(1,2,3-cd)pyrene	44.25	1.23	2.45	4.90	
78-59-1	Isophorone	31.94	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	37.25	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	32.13	1.23	2.45	4.90	
95-48-7	2-Methylphenol	57.70	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.96	1.23	2.45	4.90	
91-20-3	Naphthalene	34.20	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	47.87	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	43.73	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	54.18	4.90	9.80	19.6	
98-95-3	Nitrobenzene	35.18	1.23	2.45	4.90	
100-02-7	4-Nitrophenol	26.80	4.90	9.80	19.6	
88-75-5	2-Nitrophenol	82.31	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	36.96	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	38.90	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	96.54	4.90	9.80	19.6	
85-01-8	Phenanthrene	46.21	1.23	2.45	4.90	
108-95-2	Phenol	21.40	1.23	2.45	4.90	
129-00-0	Pyrene	46.93	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	83.81	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	87.13	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	39.03	79.6	50 - 110	
2-Fluorophenol	98.04	33.48	34.1	20 - 110	
Nitrobenzene-d5	49.02	35.61	72.6	40 - 110	
Phenol-d6	98.04	19.38	19.8	0 - 110	
Terphenyl-d14	49.02	46.98	95.8	50 - 135	
2,4,6-Tribromophenol	98.04	90.36	92.2	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27016-BLK1 File ID: G27016B1.D

Sampled: Prepared: Analyzed: 08/07/12 16:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	X, U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	X, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G27016-BLK1	File ID:	G27016B1.D
Sampled:		Prepared:		Analyzed:	08/07/12 16:51
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.02	72.0	50 - 110	
2-Fluorophenol	100.0	28.29	28.3	20 - 110	
Nitrobenzene-d5	50.00	31.37	62.7	40 - 110	
Phenol-d6	100.0	16.10	16.1	0 - 110	
Terphenyl-d14	50.00	45.94	91.9	50 - 135	
2,4,6-Tribromophenol	100.0	69.88	69.9	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_058

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

Matrix: | Laboratory ID: 2G27016-BS1 | File ID: G27016L1.D

Sampled: | Prepared: | Analyzed: 08/07/12 17:19

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G27016 | Sequence: 2H22112 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	33.43	1.25	2.50	5.00	
208-96-8	Acenaphthylene	36.76	1.25	2.50	5.00	
98-86-2	Acetophenone	41.76	1.25	2.50	5.00	
120-12-7	Anthracene	39.67	1.25	2.50	5.00	
1912-24-9	Atrazine	46.32	1.25	2.50	5.00	
100-52-7	Benzaldehyde	37.48	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	40.74	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.86	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	42.71	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.11	1.25	2.50	5.00	
65-85-0	Benzoic acid	13.74	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	42.46	1.25	2.50	5.00	X
92-52-4	1,1-Biphenyl	47.03	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	36.45	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	44.98	1.25	2.50	5.00	
105-60-2	Caprolactam	6.560	1.25	2.50	5.00	
86-74-8	Carbazole	47.41	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	67.55	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.96	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	33.94	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	32.94	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	40.71	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	30.63	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	55.82	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	35.28	1.25	2.50	5.00	
218-01-9	Chrysene	42.17	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.42	1.25	2.50	5.00	
132-64-9	Dibenzofuran	34.79	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	43.37	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	42.27	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	64.28	1.25	2.50	5.00	
84-66-2	Diethylphthalate	40.88	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	64.72	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	39.89	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	70.75	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	56.53	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	39.83	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	36.04	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	43.00	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_058

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

Matrix: | Laboratory ID: 2G27016-BS1 | File ID: G27016L1.D

Sampled: | Prepared: | Analyzed: 08/07/12 17:19

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G27016 | Sequence: 2H22112 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.12	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	42.82	1.25	2.50	5.00	
206-44-0	Fluoranthene	40.86	1.25	2.50	5.00	
86-73-7	Fluorene	38.02	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	35.61	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	22.37	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	15.27	1.25	5.00	10.0	
67-72-1	Hexachloroethane	23.58	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	42.25	1.25	2.50	5.00	
78-59-1	Isophorone	27.05	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	34.44	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	28.79	1.25	2.50	5.00	
95-48-7	2-Methylphenol	44.59	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	42.19	1.25	2.50	5.00	
91-20-3	Naphthalene	30.15	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	42.91	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.98	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.79	5.00	10.0	20.0	
98-95-3	Nitrobenzene	31.31	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	19.01	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	68.82	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	33.81	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	39.38	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	69.40	5.00	10.0	20.0	
85-01-8	Phenanthrene	40.50	1.25	2.50	5.00	
108-95-2	Phenol	16.97	1.25	2.50	5.00	
129-00-0	Pyrene	42.25	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	72.06	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	75.61	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.32	72.6	50 - 110	
2-Fluorophenol	100.0	24.52	24.5	20 - 110	
Nitrobenzene-d5	50.00	32.25	64.5	40 - 110	
Phenol-d6	100.0	14.05	14.0	0 - 110	
Terphenyl-d14	50.00	40.23	80.5	50 - 135	
2,4,6-Tribromophenol	100.0	70.88	70.9	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27016-MS2 File ID: 0713807M.D

Sampled: Prepared: Analyzed: 08/07/12 19:34

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	35.66	1.18	2.36	4.72	
208-96-8	Acenaphthylene	38.14	1.18	2.36	4.72	
98-86-2	Acetophenone	584.3	1.18	2.36	4.72	E
120-12-7	Anthracene	48.64	1.18	2.36	4.72	
1912-24-9	Atrazine	48.11	1.18	2.36	4.72	
100-52-7	Benzaldehyde	43.62	1.18	2.36	4.72	
92-87-5	Benzidine		11.8	47.2	94.3	U
56-55-3	Benzo(a)anthracene	43.53	1.18	2.36	4.72	
50-32-8	Benzo(a)pyrene	44.01	1.18	2.36	4.72	
205-99-2	Benzo(b)fluoranthene	48.21	1.18	2.36	4.72	
191-24-2	Benzo(g,h,i)perylene	44.99	1.18	2.36	4.72	
65-85-0	Benzoic acid	23.00	11.8	47.2	94.3	J
207-08-9	Benzo(k)fluoranthene	43.26	1.18	2.36	4.72	X
92-52-4	1,1-Biphenyl	40.62	1.18	2.36	4.72	
101-55-3	4-Bromophenyl-phenylether	46.65	1.18	2.36	4.72	
85-68-7	Butylbenzylphthalate	51.41	1.18	2.36	4.72	
105-60-2	Caprolactam	9.397	1.18	2.36	4.72	
86-74-8	Carbazole	57.06	1.18	2.36	4.72	
59-50-7	4-Chloro-3-methylphenol	61.00	1.18	2.36	4.72	
106-47-8	4-Chloroaniline	26.14	1.18	2.36	4.72	
111-91-1	Bis(2-chloroethoxy)methane	38.43	1.18	2.36	4.72	
111-44-4	Bis(2-chloroethyl)ether	36.19	1.18	2.36	4.72	
108-60-1	2,2'-Oxybis-1-chloropropane	43.98	1.18	2.36	4.72	X
91-58-7	2-Chloronaphthalene	34.32	1.18	2.36	4.72	
95-57-8	2-Chlorophenol	66.77	1.18	2.36	4.72	
7005-72-3	4-Chlorophenyl phenyl ether	38.21	1.18	2.36	4.72	
218-01-9	Chrysene	44.09	1.18	2.36	4.72	
53-70-3	Dibenz(a,h)anthracene	44.61	1.18	2.36	4.72	
132-64-9	Dibenzofuran	35.53	1.18	2.36	4.72	
84-74-2	Di-n-butylphthalate	54.41	1.18	2.36	4.72	
91-94-1	3,3'-Dichlorobenzidine	7.670	1.18	2.36	4.72	
120-83-2	2,4-Dichlorophenol	53.11	1.18	2.36	4.72	
84-66-2	Diethylphthalate	46.61	1.18	2.36	4.72	
105-67-9	2,4-Dimethylphenol	19.65	4.72	9.43	18.9	
131-11-3	Dimethyl phthalate	40.66	1.18	2.36	4.72	
534-52-1	4,6-Dinitro-2-methylphenol	59.66	4.72	9.43	18.9	
51-28-5	2,4-Dinitrophenol	36.49	7.86	23.6	47.2	J
121-14-2	2,4-Dinitrotoluene	39.37	1.18	2.36	4.72	
606-20-2	2,6-Dinitrotoluene	36.90	1.18	2.36	4.72	
117-84-0	Di-n-octylphthalate	49.84	1.18	2.36	4.72	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G27016-MS2	File ID:	0713807M.D
Sampled:		Prepared:		Analyzed:	08/07/12 19:34
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	54.59	1.18	2.36	4.72	
117-81-7	Bis(2-ethylhexyl)phthalate	48.55	1.18	2.36	4.72	
206-44-0	Fluoranthene	49.29	1.18	2.36	4.72	
86-73-7	Fluorene	40.36	1.18	2.36	4.72	
118-74-1	Hexachlorobenzene	45.73	1.18	2.36	4.72	
87-68-3	Hexachlorobutadiene	26.16	1.18	2.36	4.72	
77-47-4	Hexachlorocyclopentadiene	17.46	1.18	4.72	9.43	
67-72-1	Hexachloroethane	28.06	1.18	2.36	4.72	
193-39-5	Indeno(1,2,3-cd)pyrene	44.33	1.18	2.36	4.72	
78-59-1	Isophorone	30.89	1.18	2.36	4.72	
90-12-0	1-Methylnaphthalene	43.73	1.18	2.36	4.72	
91-57-6	2-Methylnaphthalene	37.87	1.18	2.36	4.72	
95-48-7	2-Methylphenol	48.37	1.18	2.36	4.72	
108-39-4/106	3-Methylphenol/4-Methylphenol	43.96	1.18	2.36	4.72	
91-20-3	Naphthalene	41.78	1.18	2.36	4.72	
100-01-6	4-Nitroaniline	39.38	4.72	9.43	18.9	
99-09-2	3-Nitroaniline	31.43	4.72	9.43	18.9	
88-74-4	2-Nitroaniline	45.79	4.72	9.43	18.9	
98-95-3	Nitrobenzene	30.70	1.18	2.36	4.72	
100-02-7	4-Nitrophenol	17.93	4.72	9.43	18.9	J
88-75-5	2-Nitrophenol	67.72	1.18	2.36	4.72	
86-30-6	N-Nitrosodiphenylamine	42.59	1.18	2.36	4.72	
621-64-7	N-Nitroso-di-n-propylamine	52.30	1.18	2.36	4.72	
87-86-5	Pentachlorophenol	71.42	4.72	9.43	18.9	
85-01-8	Phenanthrene	49.71	1.18	2.36	4.72	
108-95-2	Phenol	17.90	1.18	2.36	4.72	
129-00-0	Pyrene	44.87	1.18	2.36	4.72	
88-06-2	2,4,6-Trichlorophenol	63.43	1.18	2.36	4.72	
95-95-4	2,4,5-Trichlorophenol	70.83	1.18	2.36	4.72	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	38.92	82.5	50 - 110	
2-Fluorophenol	94.34	18.86	20.0	20 - 110	
Nitrobenzene-d5	47.17	30.88	65.5	40 - 110	
Phenol-d6	94.34	25.87	27.4	0 - 110	
Terphenyl-d14	47.17	43.54	92.3	50 - 135	
2,4,6-Tribromophenol	94.34	83.45	88.5	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27016-MSD2 File ID: 0713807S.D

Sampled: Prepared: Analyzed: 08/07/12 20:02

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	33.49	1.18	2.36	4.72	
208-96-8	Acenaphthylene	35.97	1.18	2.36	4.72	
98-86-2	Acetophenone	546.5	1.18	2.36	4.72	E
120-12-7	Anthracene	50.01	1.18	2.36	4.72	
1912-24-9	Atrazine	44.65	1.18	2.36	4.72	
100-52-7	Benzaldehyde	42.35	1.18	2.36	4.72	
92-87-5	Benzidine		11.8	47.2	94.3	U
56-55-3	Benzo(a)anthracene	43.12	1.18	2.36	4.72	
50-32-8	Benzo(a)pyrene	43.18	1.18	2.36	4.72	
205-99-2	Benzo(b)fluoranthene	45.40	1.18	2.36	4.72	
191-24-2	Benzo(g,h,i)perylene	44.11	1.18	2.36	4.72	
65-85-0	Benzoic acid	23.79	11.8	47.2	94.3	J
207-08-9	Benzo(k)fluoranthene	43.80	1.18	2.36	4.72	X
92-52-4	1,1-Biphenyl	36.80	1.18	2.36	4.72	
101-55-3	4-Bromophenyl-phenylether	47.12	1.18	2.36	4.72	
85-68-7	Butylbenzylphthalate	51.55	1.18	2.36	4.72	
105-60-2	Caprolactam	9.848	1.18	2.36	4.72	
86-74-8	Carbazole	57.57	1.18	2.36	4.72	
59-50-7	4-Chloro-3-methylphenol	65.96	1.18	2.36	4.72	
106-47-8	4-Chloroaniline	25.73	1.18	2.36	4.72	
111-91-1	Bis(2-chloroethoxy)methane	49.80	1.18	2.36	4.72	
111-44-4	Bis(2-chloroethyl)ether	36.11	1.18	2.36	4.72	
108-60-1	2,2'-Oxybis-1-chloropropane	41.63	1.18	2.36	4.72	X
91-58-7	2-Chloronaphthalene	31.69	1.18	2.36	4.72	
95-57-8	2-Chlorophenol	72.36	1.18	2.36	4.72	
7005-72-3	4-Chlorophenyl phenyl ether	36.14	1.18	2.36	4.72	
218-01-9	Chrysene	45.97	1.18	2.36	4.72	
53-70-3	Dibenz(a,h)anthracene	43.70	1.18	2.36	4.72	
132-64-9	Dibenzofuran	33.99	1.18	2.36	4.72	
84-74-2	Di-n-butylphthalate	54.68	1.18	2.36	4.72	
91-94-1	3,3'-Dichlorobenzidine	3.706	1.18	2.36	4.72	J
120-83-2	2,4-Dichlorophenol	56.97	1.18	2.36	4.72	
84-66-2	Diethylphthalate	46.98	1.18	2.36	4.72	
105-67-9	2,4-Dimethylphenol	20.83	4.72	9.43	18.9	
131-11-3	Dimethyl phthalate	40.10	1.18	2.36	4.72	
534-52-1	4,6-Dinitro-2-methylphenol	74.63	4.72	9.43	18.9	
51-28-5	2,4-Dinitrophenol	45.37	7.86	23.6	47.2	J
121-14-2	2,4-Dinitrotoluene	41.01	1.18	2.36	4.72	
606-20-2	2,6-Dinitrotoluene	38.34	1.18	2.36	4.72	
117-84-0	Di-n-octylphthalate	48.38	1.18	2.36	4.72	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G27016-MSD2 File ID: 0713807S.D

Sampled: Prepared: Analyzed: 08/07/12 20:02

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G27016 Sequence: 2H22112 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	55.94	1.18	2.36	4.72	
117-81-7	Bis(2-ethylhexyl)phthalate	49.35	1.18	2.36	4.72	
206-44-0	Fluoranthene	48.95	1.18	2.36	4.72	
86-73-7	Fluorene	38.60	1.18	2.36	4.72	
118-74-1	Hexachlorobenzene	45.88	1.18	2.36	4.72	
87-68-3	Hexachlorobutadiene	25.41	1.18	2.36	4.72	
77-47-4	Hexachlorocyclopentadiene	14.74	1.18	4.72	9.43	
67-72-1	Hexachloroethane	26.46	1.18	2.36	4.72	
193-39-5	Indeno(1,2,3-cd)pyrene	43.82	1.18	2.36	4.72	
78-59-1	Isophorone	29.61	1.18	2.36	4.72	
90-12-0	1-Methylnaphthalene	42.71	1.18	2.36	4.72	
91-57-6	2-Methylnaphthalene	37.72	1.18	2.36	4.72	
95-48-7	2-Methylphenol	51.26	1.18	2.36	4.72	
108-39-4/106	3-Methylphenol/4-Methylphenol	47.84	1.18	2.36	4.72	
91-20-3	Naphthalene	45.42	1.18	2.36	4.72	
100-01-6	4-Nitroaniline	36.44	4.72	9.43	18.9	
99-09-2	3-Nitroaniline	28.00	4.72	9.43	18.9	
88-74-4	2-Nitroaniline	50.98	4.72	9.43	18.9	
98-95-3	Nitrobenzene	34.18	1.18	2.36	4.72	
100-02-7	4-Nitrophenol	14.95	4.72	9.43	18.9	J
88-75-5	2-Nitrophenol	79.84	1.18	2.36	4.72	
86-30-6	N-Nitrosodiphenylamine	44.27	1.18	2.36	4.72	
621-64-7	N-Nitroso-di-n-propylamine	51.53	1.18	2.36	4.72	
87-86-5	Pentachlorophenol	89.24	4.72	9.43	18.9	
85-01-8	Phenanthrene	51.27	1.18	2.36	4.72	
108-95-2	Phenol	20.13	1.18	2.36	4.72	
129-00-0	Pyrene	44.78	1.18	2.36	4.72	
88-06-2	2,4,6-Trichlorophenol	69.36	1.18	2.36	4.72	
95-95-4	2,4,5-Trichlorophenol	77.26	1.18	2.36	4.72	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.09	78.6	50 - 110	
2-Fluorophenol	94.34	21.72	23.0	20 - 110	
Nitrobenzene-d5	47.17	30.21	64.0	40 - 110	
Phenol-d6	94.34	28.37	30.1	0 - 110	
Terphenyl-d14	47.17	43.48	92.2	50 - 135	
2,4,6-Tribromophenol	94.34	90.14	95.6	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G31012-BLK1 File ID: G31012B1.D

Sampled: Prepared: Analyzed: 08/13/12 15:33

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 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	Q, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	Q, 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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G31012-BLK1	File ID:	G31012B1.D
Sampled:		Prepared:		Analyzed:	08/13/12 15:33
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	29.52	59.0	50 - 110	
2-Fluorophenol	100.0	30.01	30.0	20 - 110	
Nitrobenzene-d5	50.00	28.52	57.0	40 - 110	
Phenol-d6	100.0	16.38	16.4	0 - 110	
Terphenyl-d14	50.00	39.76	79.5	50 - 135	
2,4,6-Tribromophenol	100.0	69.74	69.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_058

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

Matrix: | Laboratory ID: 2G31012-BS1 | File ID: G31012L1.D

Sampled: | Prepared: | Analyzed: 08/13/12 16:00

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G31012 | Sequence: 2H22708 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	24.71	1.25	2.50	5.00	
208-96-8	Acenaphthylene	26.67	1.25	2.50	5.00	
98-86-2	Acetophenone	33.99	1.25	2.50	5.00	
120-12-7	Anthracene	33.40	1.25	2.50	5.00	
1912-24-9	Atrazine	32.62	1.25	2.50	5.00	
100-52-7	Benzaldehyde	30.51	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	32.48	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	32.62	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	31.55	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	33.47	1.25	2.50	5.00	
65-85-0	Benzoic acid	15.13	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	36.04	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	32.72	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	30.29	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	37.02	1.25	2.50	5.00	
105-60-2	Caprolactam	5.050	1.25	2.50	5.00	
86-74-8	Carbazole	40.16	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	61.28	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.84	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	26.66	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	25.91	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	33.41	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	20.86	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	59.57	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	28.35	1.25	2.50	5.00	
218-01-9	Chrysene	32.62	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	32.75	1.25	2.50	5.00	
132-64-9	Dibenzofuran	25.13	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	35.48	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	27.27	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	59.40	1.25	2.50	5.00	
84-66-2	Diethylphthalate	32.50	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	59.61	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	31.56	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	69.42	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	62.71	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	30.77	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	29.24	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	35.46	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G31012-BS1
File ID: G31012L1.D
Sampled:
Prepared:
Analyzed: 08/13/12 16:00
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2G31012
Sequence: 2H22708
Calibration: 2156006
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	35.86	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	35.20	1.25	2.50	5.00	
206-44-0	Fluoranthene	33.24	1.25	2.50	5.00	
86-73-7	Fluorene	28.36	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	29.81	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	13.65	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	12.78	1.25	5.00	10.0	
67-72-1	Hexachloroethane	15.45	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	32.73	1.25	2.50	5.00	
78-59-1	Isophorone	24.41	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	24.61	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	20.75	1.25	2.50	5.00	
95-48-7	2-Methylphenol	47.69	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	44.90	1.25	2.50	5.00	
91-20-3	Naphthalene	21.80	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	36.07	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	33.68	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	39.89	5.00	10.0	20.0	
98-95-3	Nitrobenzene	24.42	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	19.56	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	62.97	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	26.84	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	32.55	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	64.81	5.00	10.0	20.0	
85-01-8	Phenanthrene	33.07	1.25	2.50	5.00	
108-95-2	Phenol	18.07	1.25	2.50	5.00	
129-00-0	Pyrene	34.75	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	65.01	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	66.07	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	29.66	59.3	50 - 110	
2-Fluorophenol	100.0	30.89	30.9	20 - 110	
Nitrobenzene-d5	50.00	26.82	53.6	40 - 110	
Phenol-d6	100.0	17.91	17.9	0 - 110	
Terphenyl-d14	50.00	37.97	75.9	50 - 135	
2,4,6-Tribromophenol	100.0	73.24	73.2	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_058

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

Matrix: | Laboratory ID: 2G31012-BSD1 | File ID: G31012L2.D

Sampled: | Prepared: | Analyzed: 08/13/12 16:28

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G31012 | Sequence: 2H22708 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	28.97	1.25	2.50	5.00	
208-96-8	Acenaphthylene	30.64	1.25	2.50	5.00	
98-86-2	Acetophenone	33.84	1.25	2.50	5.00	
120-12-7	Anthracene	34.19	1.25	2.50	5.00	
1912-24-9	Atrazine	35.55	1.25	2.50	5.00	
100-52-7	Benzaldehyde	29.58	1.25	2.50	5.00	
92-87-5	Benzidine	13.08	12.5	50.0	100	J
56-55-3	Benzo(a)anthracene	34.59	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	34.43	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	34.26	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	35.27	1.25	2.50	5.00	
65-85-0	Benzoic acid	14.13	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	37.67	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	36.42	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	31.22	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	40.91	1.25	2.50	5.00	
105-60-2	Caprolactam	5.425	1.25	2.50	5.00	
86-74-8	Carbazole	43.14	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	62.84	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.84	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	27.41	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	25.91	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	32.86	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	25.98	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	58.34	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	30.54	1.25	2.50	5.00	
218-01-9	Chrysene	35.66	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	34.93	1.25	2.50	5.00	
132-64-9	Dibenzofuran	29.89	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	39.34	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	30.50	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	62.05	1.25	2.50	5.00	
84-66-2	Diethylphthalate	36.21	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	59.10	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	34.83	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	73.67	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	66.84	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	34.62	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	31.24	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	38.58	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Matrix: Laboratory ID: 2G31012-BSD1 File ID: G31012L2.D

Sampled: Prepared: Analyzed: 08/13/12 16:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G31012 Sequence: 2H22708 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	37.54	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	37.49	1.25	2.50	5.00	
206-44-0	Fluoranthene	35.05	1.25	2.50	5.00	
86-73-7	Fluorene	31.45	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	30.95	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	15.77	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	16.33	1.25	5.00	10.0	
67-72-1	Hexachloroethane	15.72	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	35.27	1.25	2.50	5.00	
78-59-1	Isophorone	25.86	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	27.00	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	23.21	1.25	2.50	5.00	
95-48-7	2-Methylphenol	46.46	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	41.38	1.25	2.50	5.00	
91-20-3	Naphthalene	23.97	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	41.38	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.66	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	43.57	5.00	10.0	20.0	
98-95-3	Nitrobenzene	26.13	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	20.54	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	67.94	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	28.44	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	31.93	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	68.99	5.00	10.0	20.0	
85-01-8	Phenanthrene	34.96	1.25	2.50	5.00	
108-95-2	Phenol	16.73	1.25	2.50	5.00	
129-00-0	Pyrene	36.61	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	71.70	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	75.11	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	32.83	65.7	50 - 110	
2-Fluorophenol	100.0	28.11	28.1	20 - 110	
Nitrobenzene-d5	50.00	27.87	55.7	40 - 110	
Phenol-d6	100.0	17.26	17.3	0 - 110	
Terphenyl-d14	50.00	38.16	76.3	50 - 135	
2,4,6-Tribromophenol	100.0	75.88	75.9	40 - 125	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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
GW0664	07/24/12 12:38	07/25/12 08:20	07/26/12 15:05	2.06	7.00	08/01/12 13:19	5.93	40.00	
GW0666	07/24/12 10:22	07/25/12 08:20	07/26/12 15:05	2.15	7.00	08/01/12 13:47	5.95	40.00	
GW0671	07/23/12 14:38	07/25/12 08:20	07/26/12 15:05	2.98	7.00	08/01/12 14:14	5.96	40.00	
GW0673	07/23/12 10:14	07/25/12 08:20	07/26/12 15:05	3.16	7.00	08/01/12 15:38	6.02	40.00	
GW0717	07/23/12 15:52	07/25/12 08:20	07/26/12 15:05	2.93	7.00	08/01/12 16:06	6.04	40.00	
GW0718	07/23/12 13:42	07/25/12 08:20	07/26/12 15:05	3.02	7.00	08/01/12 16:34	6.06	40.00	
GW0719	07/23/12 11:32	07/25/12 08:20	07/26/12 15:05	3.11	7.00	08/01/12 17:01	6.08	40.00	
GW0742	07/24/12 10:32	07/25/12 08:20	07/26/12 15:05	2.15	7.00	08/01/12 17:29	6.10	40.00	
GW0665	07/24/12 14:35	07/26/12 08:20	07/30/12 14:03	5.94	7.00	08/07/12 17:46	8.15	40.00	
GW0684	07/25/12 10:18	07/26/12 08:20	07/30/12 14:03	5.11	7.00	08/07/12 18:13	8.17	40.00	
GW0692	07/25/12 10:01	07/26/12 08:20	07/30/12 14:03	5.13	7.00	08/07/12 18:40	8.19	40.00	
GW0693	07/25/12 12:07	07/26/12 08:20	07/30/12 14:03	5.04	7.00	08/07/12 19:07	8.21	40.00	
GW0693	07/25/12 12:07	07/26/12 08:20	07/30/12 14:03	5.04	7.00	08/10/12 01:30	10.48	40.00	
GW0703	07/25/12 13:15	07/26/12 08:20	07/30/12 14:03	4.99	7.00	08/07/12 20:29	8.27	40.00	
GW0740	07/24/12 14:19	07/26/12 08:20	07/30/12 14:03	5.95	7.00	08/07/12 20:55	8.29	40.00	
GW0741	07/24/12 16:34	07/26/12 08:20	07/30/12 14:03	5.85	7.00	08/07/12 21:22	8.30	40.00	
GW0674	07/26/12 14:41	07/27/12 08:30	08/01/12 14:04	5.93	7.00	08/13/12 16:55	12.12	40.00	
GW0675	07/26/12 12:18	07/27/12 08:30	08/01/12 14:04	6.03	7.00	08/13/12 17:22	12.14	40.00	
GW0676	07/26/12 10:14	07/27/12 08:30	08/01/12 14:04	6.12	7.00	08/13/12 17:50	12.16	40.00	
GW0681	07/26/12 14:42	07/27/12 08:30	08/01/12 14:04	5.93	7.00	08/13/12 18:17	12.18	40.00	
GW0682	07/26/12 12:39	07/27/12 08:30	08/01/12 14:04	6.02	7.00	08/13/12 18:44	12.19	40.00	
GW0683	07/25/12 10:29	07/27/12 08:30	08/01/12 14:04	7.11	7.00	08/13/12 19:11	12.21	40.00	
GW0690	07/25/12 15:27	07/27/12 08:30	08/01/12 14:04	6.90	7.00	08/13/12 19:38	12.23	40.00	
GW0691	07/25/12 15:27	07/27/12 08:30	08/01/12 14:04	6.90	7.00	08/13/12 20:05	12.25	40.00	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

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
GW0700	07/25/12 15:39	07/27/12 08:30	08/01/12 14:04	6.89	7.00	08/13/12 20:32	12.27	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21404	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21404-CAL6	002F0201.D	07/31/12 16:00
Cal Standard	2H21404-CAL5	003F0301.D	07/31/12 16:34
Cal Standard	2H21404-CAL4	004F0401.D	07/31/12 17:08
Cal Standard	2H21404-CAL3	005F0501.D	07/31/12 17:42
Cal Standard	2H21404-CAL2	006F0601.D	07/31/12 18:15
Cal Standard	2H21404-CAL1	007F0701.D	07/31/12 18:48
Initial Cal Check	2H21404-ICV1	008F0801.D	07/31/12 19:22

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21605	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21605-CCV1	004F0401.D	08/02/12 16:04
Blank	2G31010-BLK1	005F0501.D	08/02/12 16:38
LCS	2G31010-BS1	006F0601.D	08/02/12 17:12
LCS Dup	2G31010-BSD1	007F0701.D	08/02/12 17:46
GW0674	1207152-01	008F0801.D	08/02/12 18:20
GW0675	1207152-03	009F0901.D	08/02/12 18:53
GW0676	1207152-05	010F1001.D	08/02/12 19:27
GW0681	1207152-07	011F1101.D	08/02/12 20:01
GW0682	1207152-09	012F1201.D	08/02/12 20:34
GW0683	1207152-11	013F1301.D	08/02/12 21:08
GW0690	1207152-13	014F1401.D	08/02/12 21:41
GW0691	1207152-15	015F1501.D	08/02/12 22:14
GW0700	1207152-17	016F1601.D	08/02/12 22:48
Calibration Check	2H21605-CCV2	004F1701.D	08/02/12 23:22

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21607	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21607-CCV1	009F0901.D	07/31/12 19:55
Calibration Check	2H21607-CCV2	022F2201.D	08/01/12 03:08
Blank	2G25004-BLK1	031F3101.D	08/01/12 08:07
LCS	2G25004-BS1	032F3201.D	08/01/12 08:41
GW0664	1207130-01	039F3901.D	08/01/12 12:36
Calibration Check	2H21607-CCV3	040F4001.D	08/01/12 13:10
GW0666	1207130-03	041F4101.D	08/01/12 13:44
GW0671	1207130-05	042F4301.D	08/01/12 14:52
GW0671	2G25004-MS1	043F4401.D	08/01/12 15:25
GW0671	2G25004-MSD1	044F4501.D	08/01/12 15:59
GW0673	1207130-07	045F4601.D	08/01/12 16:33
GW0717	1207130-09	046F4701.D	08/01/12 17:07
GW0718	1207130-11	047F4801.D	08/01/12 17:41
GW0719	1207130-13	048F4901.D	08/01/12 18:14
GW0742	1207130-15	049F5001.D	08/01/12 18:47
Calibration Check	2H21607-CCV4	051F5101.D	08/01/12 19:21

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22010	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22010-CCV1	003F0301.D	08/05/12 16:14
Calibration Check	2H22010-CCV2	017F1701.D	08/06/12 08:20
Blank	2G26019-BLK1	018F1801.D	08/06/12 08:53
LCS	2G26019-BS1	019F1901.D	08/06/12 09:26
GW0665	1207138-01	020F2001.D	08/06/12 10:00
GW0684	1207138-03	021F2101.D	08/06/12 10:33
GW0692	1207138-05	022F2201.D	08/06/12 11:07
GW0703	1207138-09	026F2601.D	08/06/12 13:20
GW0740	1207138-11	027F2701.D	08/06/12 13:54
GW0741	1207138-13	028F2801.D	08/06/12 14:27
Calibration Check	2H22010-CCV3	029F2901.D	08/06/12 15:01

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22305	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22305-CCV1	003F0301.D	08/09/12 11:35
GW0693	1207138-07RE1	004F0401.D	08/09/12 12:09
GW0693	2G26019-MS2	005F0501.D	08/09/12 12:42
GW0693	2G26019-MSD2	006F0601.D	08/09/12 13:15
Calibration Check	2H22305-CCV2	019F1901.D	08/09/12 20:28

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	039F3901.D
Sampled:	07/24/12 12:38	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 12:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01938	96.9	30 - 140	X

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	041F4101.D
Sampled:	07/24/12 10:22	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 13:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02262	118	30 - 140	X

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	042F4301.D
Sampled:	07/23/12 14:38	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 14:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02051	105	30 - 140	X

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	045F4601.D
Sampled:	07/23/12 10:14	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 16:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01916	102	30 - 140	X

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09	File ID:	046F4701.D
Sampled:	07/23/12 15:52	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 17:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.743	0.0935	0.187	0.374	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.02011	108	30 - 140	X

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11	File ID:	047F4801.D
Sampled:	07/23/12 13:42	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 17:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.709	0.0935	0.187	0.374	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.02049	110	30 - 140	X

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	048F4901.D
Sampled:	07/23/12 11:32	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 18:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.02359	126	30 - 140	X

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	049F5001.D
Sampled:	07/24/12 10:32	Prepared:	07/25/12 14:16	Analyzed:	08/01/12 18:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G25004 Sequence: 2H21607 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.02043	109	30 - 140	X

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	020F2001.D
Sampled:	07/24/12 14:35	Prepared:	07/27/12 11:22	Analyzed:	08/06/12 10:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26019 Sequence: 2H22010 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01491	79.0	30 - 140	

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03	File ID:	021F2101.D
Sampled:	07/25/12 10:18	Prepared:	07/27/12 11:22	Analyzed:	08/06/12 10:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26019 Sequence: 2H22010 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.178	0.0943	0.189	0.377	X, J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01600	84.8	30 - 140	

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	022F2201.D
Sampled:	07/25/12 10:01	Prepared:	07/27/12 11:22	Analyzed:	08/06/12 11:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26019 Sequence: 2H22010 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01522	80.7	30 - 140	

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07RE1	File ID:	004F0401.D
Sampled:	07/25/12 12:07	Prepared:	07/27/12 11:22	Analyzed:	08/09/12 12:09
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2G26019 Sequence: 2H22305 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	18.4	0.467	0.935	1.87	N, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01327	71.0	30 - 140	

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09	File ID:	026F2601.D
Sampled:	07/25/12 13:15	Prepared:	07/27/12 11:22	Analyzed:	08/06/12 13:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26019 Sequence: 2H22010 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.00	0.0943	0.189	0.377	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01726	91.5	30 - 140	

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	027F2701.D
Sampled:	07/24/12 14:19	Prepared:	07/27/12 11:22	Analyzed:	08/06/12 13:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26019 Sequence: 2H22010 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01618	82.5	30 - 140	

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	028F2801.D
Sampled:	07/24/12 16:34	Prepared:	07/27/12 11:22	Analyzed:	08/06/12 14:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G26019 Sequence: 2H22010 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.145	0.0943	0.189	0.377	X, J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01774	94.0	30 - 140	

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	008F0801.D
Sampled:	07/26/12 14:41	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 18:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01704	85.2	30 - 140	

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	009F0901.D
Sampled:	07/26/12 12:18	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 18:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01626	81.3	30 - 140	

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	010F1001.D
Sampled:	07/26/12 10:14	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 19:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01578	78.9	30 - 140	

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	011F1101.D
Sampled:	07/26/12 14:42	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 20:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01570	78.5	30 - 140	

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	012F1201.D
Sampled:	07/26/12 12:39	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 20:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01558	77.9	30 - 140	

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	013F1301.D
Sampled:	07/25/12 10:29	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 21:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01593	79.7	30 - 140	

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	014F1401.D
Sampled:	07/25/12 15:27	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 21:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01507	75.4	30 - 140	

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	015F1501.D
Sampled:	07/25/12 15:27	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 22:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01471	73.6	30 - 140	

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	016F1601.D
Sampled:	07/25/12 15:39	Prepared:	07/31/12 13:52	Analyzed:	08/02/12 22:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.14	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01927	96.4	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G25004	Laboratory ID:	2G25004-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	0.8913	89.1	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26019	Laboratory ID:	2G26019-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	0.8529	85.3	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31010	Laboratory ID:	2G31010-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	0.9555	95.5	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	0.8659	86.6	9.84	50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G25004

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9615	ND	0.8791	91.4		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9615	0.9514	98.9	7.89		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26019

% Solids:

Source Sample Name: **1207138-07RE1**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9434	18.40	19.83	152	*	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)	0.9615	20.93	264	5.40	*	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G25004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/25/12 14:16	1,000.00	1.00
GW0666	1207130-03	07/25/12 14:16	1,040.00	1.00
GW0671	1207130-05	07/25/12 14:16	1,020.00	1.00
GW0673	1207130-07	07/25/12 14:16	1,060.00	1.00
GW0717	1207130-09	07/25/12 14:16	1,070.00	1.00
GW0718	1207130-11	07/25/12 14:16	1,070.00	1.00
GW0719	1207130-13	07/25/12 14:16	1,070.00	1.00
GW0742	1207130-15	07/25/12 14:16	1,070.00	1.00
Blank	2G25004-BLK1	07/25/12 14:16	1,000.00	1.00
LCS	2G25004-BS1	07/25/12 14:16	1,000.00	1.00
GW0671	2G25004-MS1	07/25/12 14:16	1,040.00	1.00
GW0671	2G25004-MSD1	07/25/12 14:16	1,040.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G26019 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0665	1207138-01	07/27/12 11:22	1,060.00	1.00
GW0684	1207138-03	07/27/12 11:22	1,060.00	1.00
GW0692	1207138-05	07/27/12 11:22	1,060.00	1.00
GW0693	1207138-07RE1	07/27/12 11:22	1,070.00	1.00
GW0703	1207138-09	07/27/12 11:22	1,060.00	1.00
GW0740	1207138-11	07/27/12 11:22	1,020.00	1.00
GW0741	1207138-13	07/27/12 11:22	1,060.00	1.00
Blank	2G26019-BLK1	07/27/12 11:22	1,000.00	1.00
LCS	2G26019-BS1	07/27/12 11:22	1,000.00	1.00
GW0693	2G26019-MS2	07/27/12 11:22	1,060.00	1.00
GW0693	2G26019-MSD2	07/27/12 11:22	1,040.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G31010 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	07/31/12 13:52	1,000.00	1.00
GW0675	1207152-03	07/31/12 13:52	1,000.00	1.00
GW0676	1207152-05	07/31/12 13:52	1,000.00	1.00
GW0681	1207152-07	07/31/12 13:52	1,000.00	1.00
GW0682	1207152-09	07/31/12 13:52	1,000.00	1.00
GW0683	1207152-11	07/31/12 13:52	1,000.00	1.00
GW0690	1207152-13	07/31/12 13:52	1,000.00	1.00
GW0691	1207152-15	07/31/12 13:52	1,000.00	1.00
GW0700	1207152-17	07/31/12 13:52	1,000.00	1.00
Blank	2G31010-BLK1	07/31/12 13:52	1,000.00	1.00
LCS	2G31010-BS1	07/31/12 13:52	1,000.00	1.00
LCS Dup	2G31010-BSD1	07/31/12 13:52	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21404	Instrument:	GL-GCFID2
Calibration:	2214001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12F0241	DRO ICAL6@100ppm	2H21404-CAL6	002F0201.D	07/31/12 16:00
12F0242	DRO ICAL5@250ppm	2H21404-CAL5	003F0301.D	07/31/12 16:34
12F0243	DRO ICAL4@500ppm	2H21404-CAL4	004F0401.D	07/31/12 17:08
12F0211	DRO ICAL3@1000ppm	2H21404-CAL3	005F0501.D	07/31/12 17:42
12F0244	DRO ICAL2@2500ppm	2H21404-CAL2	006F0601.D	07/31/12 18:15
12F0245	DRO ICAL1@5000ppm	2H21404-CAL1	007F0701.D	07/31/12 18:48

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2214001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/31/12_16:00	7/31/12_18:48

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	764.1	250	904.512	500	926.532	1000	1062.126	2500	1084.265	5000	1373.83
o-Terphenyl	5	1319.2	12.5	1379.6	25	1341.32	50	1377.1	125	1331.232	250	1397.108

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2214001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/31/12 16:00	7/31/12 18:48

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1019.228	20.51747	5.947	0.0133767		0.9997707	0.99	
o-Terphenyl	1357.593	2.296485	11.13583	9.623485E-02			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	008F0801.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21404	Injection Date:	07/31/12
Lab Sample ID:	2H21404-ICV1	Injection Time:	19:22

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1058	1019.228	1065.399		5.8	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	004F0401.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21605	Injection Date:	08/02/12
Lab Sample ID:	2H21605-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)	Q	1000	1111	1019.228	1121.681		11.1	20
o-Terphenyl	A	50.00	51.23	1357.593	1390.92		2.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	004F1701.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21605	Injection Date:	08/02/12
Lab Sample ID:	2H21605-CCV2	Injection Time:	23:22

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1154	1019.228	1168.831		15.4	20
o-Terphenyl	A	50.00	52.29	1357.593	1419.74		4.6	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	009F0901.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21607	Injection Date:	07/31/12
Lab Sample ID:	2H21607-CCV1	Injection Time:	19:55

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1192	1019.228	1209.876		19.2	20
o-Terphenyl	A	50.00	58.54	1357.593	1589.56		17.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	022F2201.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21607	Injection Date:	08/01/12
Lab Sample ID:	2H21607-CCV2	Injection Time:	03:08

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1018	1019.228	1022.576		1.8	20
o-Terphenyl	A	50.00	48.84	1357.593	1326.14		-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

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	040F4001.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21607	Injection Date:	08/01/12
Lab Sample ID:	2H21607-CCV3	Injection Time:	13:10

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1352	1019.228	1384.467		35.2	20 *
o-Terphenyl	A	50.00	62.07	1357.593	1685.32		24.1	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	051F5101.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21607	Injection Date:	08/01/12
Lab Sample ID:	2H21607-CCV4	Injection Time:	19:21

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1076	1019.228	1083.777		7.6	20
o-Terphenyl	A	50.00	53.04	1357.593	1440		6.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22010	Injection Date:	08/05/12
Lab Sample ID:	2H22010-CCV1	Injection Time:	16:14

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1149	1019.228	1163.413		14.9	20
o-Terphenyl	A	50.00	54.84	1357.593	1488.9		9.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	017F1701.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22010	Injection Date:	08/06/12
Lab Sample ID:	2H22010-CCV2	Injection Time:	08:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1264	1019.228	1287.886		26.4	20 *
o-Terphenyl	A	50.00	54.18	1357.593	1471.14		8.4	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	029F2901.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22010	Injection Date:	08/06/12
Lab Sample ID:	2H22010-CCV3	Injection Time:	15:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1252	1019.228	1275.367		25.2	20 *
o-Terphenyl	A	50.00	54.62	1357.593	1482.9		9.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22305	Injection Date:	08/09/12
Lab Sample ID:	2H22305-CCV1	Injection Time:	11:35

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1162	1019.228	1176.798		16.2	20
o-Terphenyl	A	50.00	51.02	1357.593	1385.32		2.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	019F1901.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22305	Injection Date:	08/09/12
Lab Sample ID:	2H22305-CCV2	Injection Time:	20:28

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1171	1019.228	1186.496		17.1	20
o-Terphenyl	A	50.00	53.42	1357.593	1450.32		6.8	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21605	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21605-CCV1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/02/12 16:04		
o-Terphenyl	50.00	102	80 - 120	11.25	11.25	0.0000	+/-0.050	
Blank (2G31010-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/02/12 16:38		
o-Terphenyl	0.02000	87.5	30 - 140	11.253	11.25	0.0030	+/-0.050	
LCS (2G31010-BS1) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/02/12 17:12		
o-Terphenyl	0.02000	85.4	30 - 140	11.226	11.25	-0.0240	+/-0.050	
LCS Dup (2G31010-BSD1) mg/L				Lab File ID: 007F0701.D		Analyzed: 08/02/12 17:46		
o-Terphenyl	0.02000	82.7	30 - 140	11.19	11.25	-0.0600	+/-0.050	*
GW0674 (1207152-01) mg/L				Lab File ID: 008F0801.D		Analyzed: 08/02/12 18:20		
o-Terphenyl	0.02000	85.2	30 - 140	11.15	11.25	-0.1000	+/-0.050	*
GW0675 (1207152-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 08/02/12 18:53		
o-Terphenyl	0.02000	81.3	30 - 140	11.16	11.25	-0.0900	+/-0.050	*
GW0676 (1207152-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 08/02/12 19:27		
o-Terphenyl	0.02000	78.9	30 - 140	11.126	11.25	-0.1240	+/-0.050	*
GW0681 (1207152-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 08/02/12 20:01		
o-Terphenyl	0.02000	78.5	30 - 140	11.136	11.25	-0.1140	+/-0.050	*
GW0682 (1207152-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 08/02/12 20:34		
o-Terphenyl	0.02000	77.9	30 - 140	11.116	11.25	-0.1340	+/-0.050	*
GW0683 (1207152-11) mg/L				Lab File ID: 013F1301.D		Analyzed: 08/02/12 21:08		
o-Terphenyl	0.02000	79.7	30 - 140	11.133	11.25	-0.1170	+/-0.050	*
GW0690 (1207152-13) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/02/12 21:41		
o-Terphenyl	0.02000	75.4	30 - 140	11.126	11.25	-0.1240	+/-0.050	*
GW0691 (1207152-15) mg/L				Lab File ID: 015F1501.D		Analyzed: 08/02/12 22:14		
o-Terphenyl	0.02000	73.6	30 - 140	11.116	11.25	-0.1340	+/-0.050	*
GW0700 (1207152-17) mg/L				Lab File ID: 016F1601.D		Analyzed: 08/02/12 22:48		
o-Terphenyl	0.02000	96.4	30 - 140	11.116	11.25	-0.1340	+/-0.050	*
Calibration Check (2H21605-CCV2) mg/L				Lab File ID: 004F1701.D		Analyzed: 08/02/12 23:22		
o-Terphenyl	50.00	105	80 - 120	11.106	11.25	-0.1440	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21607	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21607-CCV1) mg/L				Lab File ID: 009F0901.D		Analyzed: 07/31/12 19:55		
o-Terphenyl	50.00	117	80 - 120	11.133	11.133	0.0000	+/-0.050	
Calibration Check (2H21607-CCV2) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/01/12 03:08		
o-Terphenyl	50.00	97.7	80 - 120	11.076	11.133	-0.0570	+/-0.050	*
Blank (2G25004-BLK1) mg/L				Lab File ID: 031F3101.D		Analyzed: 08/01/12 08:07		
o-Terphenyl	0.02000	100	30 - 140	11.153	11.133	0.0200	+/-0.050	
LCS (2G25004-BS1) mg/L				Lab File ID: 032F3201.D		Analyzed: 08/01/12 08:41		
o-Terphenyl	0.02000	103	30 - 140	11.136	11.133	0.0030	+/-0.050	
GW0664 (1207130-01) mg/L				Lab File ID: 039F3901.D		Analyzed: 08/01/12 12:36		
o-Terphenyl	0.02000	96.9	30 - 140	11.166	11.133	0.0330	+/-0.050	
Calibration Check (2H21607-CCV3) mg/L				Lab File ID: 040F4001.D		Analyzed: 08/01/12 13:10		
o-Terphenyl	50.00	124	80 - 120	11.183	11.133	0.0500	+/-0.050	*
GW0666 (1207130-03) mg/L				Lab File ID: 041F4101.D		Analyzed: 08/01/12 13:44		
o-Terphenyl	0.01923	118	30 - 140	11.166	11.133	0.0330	+/-0.050	
GW0671 (1207130-05) mg/L				Lab File ID: 042F4301.D		Analyzed: 08/01/12 14:52		
o-Terphenyl	0.01961	105	30 - 140	11.263	11.133	0.1300	+/-0.050	*
Matrix Spike (2G25004-MS1) mg/L				Lab File ID: 043F4401.D		Analyzed: 08/01/12 15:25		
o-Terphenyl	0.01923	112	30 - 140	11.233	11.133	0.1000	+/-0.050	*
Matrix Spike Dup (2G25004-MSD1) mg/L				Lab File ID: 044F4501.D		Analyzed: 08/01/12 15:59		
o-Terphenyl	0.01923	112	30 - 140	11.18	11.133	0.0470	+/-0.050	
GW0673 (1207130-07) mg/L				Lab File ID: 045F4601.D		Analyzed: 08/01/12 16:33		
o-Terphenyl	0.01887	102	30 - 140	11.163	11.133	0.0300	+/-0.050	
GW0717 (1207130-09) mg/L				Lab File ID: 046F4701.D		Analyzed: 08/01/12 17:07		
o-Terphenyl	0.01869	108	30 - 140	11.16	11.133	0.0270	+/-0.050	
GW0718 (1207130-11) mg/L				Lab File ID: 047F4801.D		Analyzed: 08/01/12 17:41		
o-Terphenyl	0.01869	110	30 - 140	11.146	11.133	0.0130	+/-0.050	
GW0719 (1207130-13) mg/L				Lab File ID: 048F4901.D		Analyzed: 08/01/12 18:14		
o-Terphenyl	0.01869	126	30 - 140	11.15	11.133	0.0170	+/-0.050	
GW0742 (1207130-15) mg/L				Lab File ID: 049F5001.D		Analyzed: 08/01/12 18:47		
o-Terphenyl	0.01869	109	30 - 140	11.136	11.133	0.0030	+/-0.050	
Calibration Check (2H21607-CCV4) mg/L				Lab File ID: 051F5101.D		Analyzed: 08/01/12 19:21		
o-Terphenyl	50.00	106	80 - 120	11.103	11.133	-0.0300	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22010	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22010-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/05/12 16:14		
o-Terphenyl	50.00	110	80 - 120	11.12	11.12	0.0000	+/-0.050	
Calibration Check (2H22010-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 08/06/12 08:20		
o-Terphenyl	50.00	108	80 - 120	11.236	11.12	0.1160	+/-0.050	*
Blank (2G26019-BLK1) mg/L				Lab File ID: 018F1801.D		Analyzed: 08/06/12 08:53		
o-Terphenyl	0.02000	71.9	30 - 140	11.153	11.12	0.0330	+/-0.050	
LCS (2G26019-BS1) mg/L				Lab File ID: 019F1901.D		Analyzed: 08/06/12 09:26		
o-Terphenyl	0.02000	70.8	30 - 140	11.153	11.12	0.0330	+/-0.050	
GW0665 (1207138-01) mg/L				Lab File ID: 020F2001.D		Analyzed: 08/06/12 10:00		
o-Terphenyl	0.01887	79.0	30 - 140	11.146	11.12	0.0260	+/-0.050	
GW0684 (1207138-03) mg/L				Lab File ID: 021F2101.D		Analyzed: 08/06/12 10:33		
o-Terphenyl	0.01887	84.8	30 - 140	11.156	11.12	0.0360	+/-0.050	
GW0692 (1207138-05) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/06/12 11:07		
o-Terphenyl	0.01887	80.7	30 - 140	11.163	11.12	0.0430	+/-0.050	
GW0703 (1207138-09) mg/L				Lab File ID: 026F2601.D		Analyzed: 08/06/12 13:20		
o-Terphenyl	0.01887	91.5	30 - 140	11.176	11.12	0.0560	+/-0.050	*
GW0740 (1207138-11) mg/L				Lab File ID: 027F2701.D		Analyzed: 08/06/12 13:54		
o-Terphenyl	0.01961	82.5	30 - 140	11.17	11.12	0.0500	+/-0.050	
GW0741 (1207138-13) mg/L				Lab File ID: 028F2801.D		Analyzed: 08/06/12 14:27		
o-Terphenyl	0.01887	94.0	30 - 140	11.163	11.12	0.0430	+/-0.050	
Calibration Check (2H22010-CCV3) mg/L				Lab File ID: 029F2901.D		Analyzed: 08/06/12 15:01		
o-Terphenyl	50.00	109	80 - 120	11.153	11.12	0.0330	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22305	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22305-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/09/12 11:35		
o-Terphenyl	50.00	102	80 - 120	11.156	11.156	0.0000	+/-0.050	
GW0693 (1207138-07RE1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/09/12 12:09		
o-Terphenyl	0.01869	71.0	30 - 140	11.146	11.156	-0.0100	+/-0.050	
Matrix Spike (2G26019-MS2) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/09/12 12:42		
o-Terphenyl	0.01887	72.9	30 - 140	11.163	11.156	0.0070	+/-0.050	
Matrix Spike Dup (2G26019-MSD2) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/09/12 13:15		
o-Terphenyl	0.01923	73.5	30 - 140	11.16	11.156	0.0040	+/-0.050	
Calibration Check (2H22305-CCV2) mg/L				Lab File ID: 019F1901.D		Analyzed: 08/09/12 20:28		
o-Terphenyl	50.00	107	80 - 120	11.12	11.156	-0.0360	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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
GW0664	07/24/12 12:38	07/25/12 08:20	07/25/12 14:16	1.03	7.00	08/01/12 12:36	6.93	40.00	
GW0666	07/24/12 10:22	07/25/12 08:20	07/25/12 14:16	1.12	7.00	08/01/12 13:44	6.98	40.00	
GW0671	07/23/12 14:38	07/25/12 08:20	07/25/12 14:16	1.94	7.00	08/01/12 14:52	7.03	40.00	
GW0673	07/23/12 10:14	07/25/12 08:20	07/25/12 14:16	2.13	7.00	08/01/12 16:33	7.10	40.00	
GW0717	07/23/12 15:52	07/25/12 08:20	07/25/12 14:16	1.89	7.00	08/01/12 17:07	7.12	40.00	
GW0718	07/23/12 13:42	07/25/12 08:20	07/25/12 14:16	1.98	7.00	08/01/12 17:41	7.14	40.00	
GW0719	07/23/12 11:32	07/25/12 08:20	07/25/12 14:16	2.07	7.00	08/01/12 18:14	7.17	40.00	
GW0742	07/24/12 10:32	07/25/12 08:20	07/25/12 14:16	1.11	7.00	08/01/12 18:47	7.19	40.00	
GW0665	07/24/12 14:35	07/26/12 08:20	07/27/12 11:22	2.82	7.00	08/06/12 10:00	9.94	40.00	
GW0684	07/25/12 10:18	07/26/12 08:20	07/27/12 11:22	2.00	7.00	08/06/12 10:33	9.97	40.00	
GW0692	07/25/12 10:01	07/26/12 08:20	07/27/12 11:22	2.01	7.00	08/06/12 11:07	9.99	40.00	
GW0693	07/25/12 12:07	07/26/12 08:20	07/27/12 11:22	1.93	7.00	08/09/12 12:09	13.03	40.00	
GW0703	07/25/12 13:15	07/26/12 08:20	07/27/12 11:22	1.88	7.00	08/06/12 13:20	10.08	40.00	
GW0740	07/24/12 14:19	07/26/12 08:20	07/27/12 11:22	2.84	7.00	08/06/12 13:54	10.11	40.00	
GW0741	07/24/12 16:34	07/26/12 08:20	07/27/12 11:22	2.74	7.00	08/06/12 14:27	10.13	40.00	
GW0674	07/26/12 14:41	07/27/12 08:30	07/31/12 13:52	4.92	7.00	08/02/12 18:20	2.19	40.00	
GW0675	07/26/12 12:18	07/27/12 08:30	07/31/12 13:52	5.02	7.00	08/02/12 18:53	2.21	40.00	
GW0676	07/26/12 10:14	07/27/12 08:30	07/31/12 13:52	5.11	7.00	08/02/12 19:27	2.23	40.00	
GW0681	07/26/12 14:42	07/27/12 08:30	07/31/12 13:52	4.92	7.00	08/02/12 20:01	2.26	40.00	
GW0682	07/26/12 12:39	07/27/12 08:30	07/31/12 13:52	5.01	7.00	08/02/12 20:34	2.28	40.00	
GW0683	07/25/12 10:29	07/27/12 08:30	07/31/12 13:52	6.10	7.00	08/02/12 21:08	2.30	40.00	
GW0690	07/25/12 15:27	07/27/12 08:30	07/31/12 13:52	5.89	7.00	08/02/12 21:41	2.33	40.00	
GW0691	07/25/12 15:27	07/27/12 08:30	07/31/12 13:52	5.89	7.00	08/02/12 22:14	2.35	40.00	
GW0700	07/25/12 15:39	07/27/12 08:30	07/31/12 13:52	5.88	7.00	08/02/12 22:48	2.37	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G25004-BLK1	File ID:	031F3101.D
Sampled:		Prepared:		Analyzed:	08/01/12 08:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G25004	Sequence:	2H21607	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02003	100	30 - 140	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G25004-BS1	File ID:	032F3201.D
Sampled:		Prepared:		Analyzed:	08/01/12 08:41
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G25004	Sequence:	2H21607	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8913	0.100	0.200	0.400	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02057	103	30 - 140	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G25004-MS1	File ID:	043F4401.D
Sampled:		Prepared:		Analyzed:	08/01/12 15:25
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G25004	Sequence:	2H21607	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8791	0.0962	0.192	0.385	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02145	112	30 - 140	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G25004-MSD1	File ID:	044F4501.D
Sampled:		Prepared:		Analyzed:	08/01/12 15:59
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G25004	Sequence:	2H21607	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9514	0.0962	0.192	0.385	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02150	112	30 - 140	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26019-BLK1	File ID:	018F1801.D
Sampled:		Prepared:		Analyzed:	08/06/12 08:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G26019	Sequence:	2H22010	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01437	71.9	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26019-BS1	File ID:	019F1901.D
Sampled:		Prepared:		Analyzed:	08/06/12 09:26
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G26019	Sequence:	2H22010	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8529	0.100	0.200	0.400	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01416	70.8	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26019-MS2	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/09/12 12:42
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G26019	Sequence:	2H22305	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	19.83	0.472	0.943	1.89	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01376	72.9	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26019-MSD2	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	08/09/12 13:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G26019	Sequence:	2H22305	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	20.93	0.481	0.962	1.92	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01413	73.5	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G31010-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/02/12 16:38
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G31010	Sequence:	2H21605	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01749	87.5	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G31010-BS1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	08/02/12 17:12
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G31010	Sequence:	2H21605	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9555	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01708	85.4	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G31010-BSD1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	08/02/12 17:46
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G31010 Sequence: 2H21605 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8659	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01654	82.7	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20606	Instrument:	GL-GCVOA2
Calibration:	2206001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20606-CAL1	003F0101.D	07/19/12 16:07
Cal Standard	2G20606-CAL2	004F0201.D	07/19/12 16:48
Cal Standard	2G20606-CAL3	005F0301.D	07/19/12 17:28
Cal Standard	2G20606-CAL4	006F0401.D	07/19/12 18:08
Cal Standard	2G20606-CAL5	007F0501.D	07/19/12 18:47
Cal Standard	2G20606-CAL6	008F0601.D	07/19/12 19:25
Initial Cal Check	2G20606-ICV1	009F0701.D	07/19/12 20:04

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20914	Instrument:	GL-GCVOA2
Calibration:	2206001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20914-CCV1	003F0301.D	07/26/12 16:05
LCS	2G26008-BS1	004F0401.D	07/26/12 16:46
Blank	2G26008-BLK1	005F0501.D	07/26/12 17:26
Calibration Check	2G20914-CCV2	016F1601.D	07/27/12 00:37
GW0664	1207130-01	018F1801.D	07/27/12 01:55
GW0666	1207130-03	019F1901.D	07/27/12 02:34
GW0671	1207130-05	020F2001.D	07/27/12 03:13
GW0671	2G26008-MS1	021F2101.D	07/27/12 03:52
GW0671	2G26008-MSD1	022F2201.D	07/27/12 04:30
GW0673	1207130-07	023F2301.D	07/27/12 05:07
GW0717	1207130-09	024F2401.D	07/27/12 05:45
GW0718	1207130-11	025F2501.D	07/27/12 06:23
GW0719	1207130-13	026F2601.D	07/27/12 07:01
GW0742	1207130-15	027F2701.D	07/27/12 07:40
Calibration Check	2G20914-CCV3	028F2801.D	07/27/12 08:19

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21210	Instrument:	GL-GCVOA2
Calibration:	2206001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G21210-CCV1	003F0301.D	07/27/12 16:59
LCS	2G27012-BS1	004F0401.D	07/27/12 17:38
Blank	2G27012-BLK1	005F0501.D	07/27/12 18:16
Calibration Check	2G21210-CCV2	016F1601.D	07/28/12 01:20
GW0665	1207138-01	019F1901.D	07/28/12 03:16
GW0684	1207138-03	020F2001.D	07/28/12 03:55
GW0692	1207138-05	021F2101.D	07/28/12 04:34
GW0692	2G27012-MS1	022F2201.D	07/28/12 05:13
GW0692	2G27012-MSD1	023F2301.D	07/28/12 05:51
GW0703	1207138-09	025F2501.D	07/28/12 07:08
GW0740	1207138-11	026F2601.D	07/28/12 07:46
GW0741	1207138-13	027F2701.D	07/28/12 08:26
Calibration Check	2G21210-CCV3	028F2801.D	07/28/12 09:05

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21611-CAL1	003F0301.D	07/31/12 15:05
Cal Standard	2H21611-CAL2	004F0401.D	07/31/12 15:45
Cal Standard	2H21611-CAL3	005F0501.D	07/31/12 16:25
Cal Standard	2H21611-CAL4	006F0601.D	07/31/12 17:05
Cal Standard	2H21611-CAL5	007F0701.D	07/31/12 17:44
Cal Standard	2H21611-CAL6	008F0801.D	07/31/12 18:24
Initial Cal Check	2H21611-ICV1	003F0301.D	08/02/12 14:13

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21612	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21612-CCV1	004F0601.D	08/02/12 16:59
LCS	2G30005-BS1	005F0701.D	08/02/12 17:40
Blank	2G30005-BLK1	006F0801.D	08/02/12 18:21
GW0693	1207138-07RE1	009F1101.D	08/02/12 20:23
GW0693	2G30005-MS1	010F1201.D	08/02/12 21:03
GW0693	2G30005-MSD1	011F1301.D	08/02/12 21:43
GW0674	1207152-01	012F1401.D	08/02/12 22:24
GW0675	1207152-03	013F1501.D	08/02/12 23:05
GW0676	1207152-05	014F1601.D	08/02/12 23:47
GW0681	1207152-07	015F1701.D	08/03/12 00:29
GW0682	1207152-09	016F1801.D	08/03/12 01:12
GW0683	1207152-11	017F1901.D	08/03/12 01:54
GW0690	1207152-13	018F2001.D	08/03/12 02:35
Calibration Check	2H21612-CCV2	019F2101.D	08/03/12 03:15
GW0691	1207152-15	020F2201.D	08/03/12 03:55
GW0700	1207152-17	021F2301.D	08/03/12 04:34
Calibration Check	2H21612-CCV3	022F2401.D	08/03/12 05:13

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	018F1801.D
Sampled:	07/24/12 12:38	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 01:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 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	0.07482	150	50 - 150	X

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	019F1901.D
Sampled:	07/24/12 10:22	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 02:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 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	0.07417	148	50 - 150	X

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	020F2001.D
Sampled:	07/23/12 14:38	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 03:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 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	0.07224	144	50 - 150	X

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	023F2301.D
Sampled:	07/23/12 10:14	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 05:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 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	0.06440	129	50 - 150	X

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09	File ID:	024F2401.D
Sampled:	07/23/12 15:52	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 05:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.174	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06429	129	50 - 150	X

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11	File ID:	025F2501.D
Sampled:	07/23/12 13:42	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 06:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.305	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06620	132	50 - 150	X

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	026F2601.D
Sampled:	07/23/12 11:32	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 07:01
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 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	0.06577	132	50 - 150	X

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	027F2701.D
Sampled:	07/24/12 10:32	Prepared:	07/26/12 10:28	Analyzed:	07/27/12 07:40
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G26008 Sequence: 2G20914 Calibration: 2206001 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	0.06490	130	50 - 150	X

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	019F1901.D
Sampled:	07/24/12 14:35	Prepared:	07/27/12 12:22	Analyzed:	07/28/12 03:16
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09978	200	50 - 150	*X

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03	File ID:	020F2001.D
Sampled:	07/25/12 10:18	Prepared:	07/27/12 12:22	Analyzed:	07/28/12 03:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09875	198	50 - 150	*X

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	021F2101.D
Sampled:	07/25/12 10:01	Prepared:	07/27/12 12:22	Analyzed:	07/28/12 04:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09969	199	50 - 150	*X

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07RE1	File ID:	009F1101.D
Sampled:	07/25/12 12:07	Prepared:	07/30/12 17:13	Analyzed:	08/02/12 20:23
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	9.85	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05949	119	50 - 150	

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09	File ID:	025F2501.D
Sampled:	07/25/12 13:15	Prepared:	07/27/12 12:22	Analyzed:	07/28/12 07:08
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.602	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09021	180	50 - 150	*X

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	026F2601.D
Sampled:	07/24/12 14:19	Prepared:	07/27/12 12:22	Analyzed:	07/28/12 07:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.08146	163	50 - 150	*X

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	027F2701.D
Sampled:	07/24/12 16:34	Prepared:	07/27/12 12:22	Analyzed:	07/28/12 08:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 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	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.08812	176	50 - 150	*X

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	012F1401.D
Sampled:	07/26/12 14:41	Prepared:	07/30/12 17:13	Analyzed:	08/02/12 22:24
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.118	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05941	119	50 - 150	

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	013F1501.D
Sampled:	07/26/12 12:18	Prepared:	07/30/12 17:13	Analyzed:	08/02/12 23:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.06313	126	50 - 150	

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	014F1601.D
Sampled:	07/26/12 10:14	Prepared:	07/30/12 17:13	Analyzed:	08/02/12 23:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.06337	127	50 - 150	

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	015F1701.D
Sampled:	07/26/12 14:42	Prepared:	07/30/12 17:13	Analyzed:	08/03/12 00:29
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.06122	122	50 - 150	

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	016F1801.D
Sampled:	07/26/12 12:39	Prepared:	07/30/12 17:13	Analyzed:	08/03/12 01:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.06354	127	50 - 150	

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	017F1901.D
Sampled:	07/25/12 10:29	Prepared:	07/30/12 17:13	Analyzed:	08/03/12 01:54
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.05993	120	50 - 150	

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	018F2001.D
Sampled:	07/25/12 15:27	Prepared:	07/30/12 17:13	Analyzed:	08/03/12 02:35
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.06231	125	50 - 150	

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	020F2201.D
Sampled:	07/25/12 15:27	Prepared:	07/30/12 17:13	Analyzed:	08/03/12 03:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 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	0.05569	111	50 - 150	

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	021F2301.D
Sampled:	07/25/12 15:39	Prepared:	07/30/12 17:13	Analyzed:	08/03/12 04:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G30005 Sequence: 2H21612 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.336	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05439	109	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26008	Laboratory ID:	2G26008-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	0.3961	79.2	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27012	Laboratory ID:	2G27012-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	0.4024	80.5	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G30005	Laboratory ID:	2G30005-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	0.5457	109	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26008

% Solids:

Source Sample Name: **1207130-05**

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	0.4199	84.0		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4068	81.4	3.17		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0692

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27012

% Solids:

Source Sample Name: **1207138-05**

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	0.3803	76.1		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4082	81.6	7.08		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G30005

% Solids:

Source Sample Name: **1207138-07RE1**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	5.000	9.847	14.07	84.5		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	5.000	14.01	83.2	0.457		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G26008 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/26/12 10:28	5.00	5.00
GW0666	1207130-03	07/26/12 10:28	5.00	5.00
GW0671	1207130-05	07/26/12 10:28	5.00	5.00
GW0673	1207130-07	07/26/12 10:28	5.00	5.00
GW0717	1207130-09	07/26/12 10:28	5.00	5.00
GW0718	1207130-11	07/26/12 10:28	5.00	5.00
GW0719	1207130-13	07/26/12 10:28	5.00	5.00
GW0742	1207130-15	07/26/12 10:28	5.00	5.00
Blank	2G26008-BLK1	07/26/12 10:28	5.00	5.00
LCS	2G26008-BS1	07/26/12 10:28	5.00	5.00
GW0671	2G26008-MS1	07/26/12 10:28	5.00	5.00
GW0671	2G26008-MSD1	07/26/12 10:28	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G27012 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0665	1207138-01	07/27/12 12:22	5.00	5.00
GW0684	1207138-03	07/27/12 12:22	5.00	5.00
GW0692	1207138-05	07/27/12 12:22	5.00	5.00
GW0703	1207138-09	07/27/12 12:22	5.00	5.00
GW0740	1207138-11	07/27/12 12:22	5.00	5.00
GW0741	1207138-13	07/27/12 12:22	5.00	5.00
Blank	2G27012-BLK1	07/27/12 12:22	5.00	5.00
LCS	2G27012-BS1	07/27/12 12:22	5.00	5.00
GW0692	2G27012-MS1	07/27/12 12:22	5.00	5.00
GW0692	2G27012-MSD1	07/27/12 12:22	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G30005 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0693	1207138-07RE1	07/30/12 17:13	5.00	5.00
GW0674	1207152-01	07/30/12 17:13	5.00	5.00
GW0675	1207152-03	07/30/12 17:13	5.00	5.00
GW0676	1207152-05	07/30/12 17:13	5.00	5.00
GW0681	1207152-07	07/30/12 17:13	5.00	5.00
GW0682	1207152-09	07/30/12 17:13	5.00	5.00
GW0683	1207152-11	07/30/12 17:13	5.00	5.00
GW0690	1207152-13	07/30/12 17:13	5.00	5.00
GW0691	1207152-15	07/30/12 17:13	5.00	5.00
GW0700	1207152-17	07/30/12 17:13	5.00	5.00
Blank	2G30005-BLK1	07/30/12 17:13	5.00	5.00
LCS	2G30005-BS1	07/30/12 17:13	5.00	5.00
GW0693	2G30005-MS1	07/30/12 17:13	5.00	5.00
GW0693	2G30005-MSD1	07/30/12 17:13	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20606	Instrument:	GL-GCVOA2
Calibration:	2206001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12G0574	GRO Cal 0.1ppm	2G20606-CAL1	003F0101.D	07/19/12 16:07
12G0575	GRO Cal 0.2ppm	2G20606-CAL2	004F0201.D	07/19/12 16:48
12G0576	GRO Cal 0.5ppm	2G20606-CAL3	005F0301.D	07/19/12 17:28
12G0577	GRO Cal 1.0ppm	2G20606-CAL4	006F0401.D	07/19/12 18:08
12G0578	GRO Cal 2.0ppm	2G20606-CAL5	007F0501.D	07/19/12 18:47
12G0579	GRO Cal 5.0ppm	2G20606-CAL6	008F0601.D	07/19/12 19:25

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12H0009	GRO Cal 0.1ppm	2H21611-CAL1	003F0301.D	07/31/12 15:05
12H0010	GRO Cal 0.2ppm	2H21611-CAL2	004F0401.D	07/31/12 15:45
12H0011	GRO Cal 0.5ppm	2H21611-CAL3	005F0501.D	07/31/12 16:25
12H0012	GRO Cal 1.0ppm	2H21611-CAL4	006F0601.D	07/31/12 17:05
12H0013	GRO Cal 2.0ppm	2H21611-CAL5	007F0701.D	07/31/12 17:44
12H0014	GRO Cal 5.0ppm	2H21611-CAL6	008F0801.D	07/31/12 18:24

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2206001	Instrument:	GL-GCVOA2
Matrix:	Water	Calibration Dates:	7/19/12_16:07 7/19/12_19:25

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	2257320	0.2	1569635	0.5	1114558	1	1009926	2	982730.5	5	917204
Bromofluorobenzene	0.01	726400	0.02	533150	0.05	432980	0.1	353910	0.2	419620	0.5	386442

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2206001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/19/12 16:07	7/19/12 19:25

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1308562	39.77425	7.797	1.504474E-02	0.9997788		0.995	
Bromofluorobenzene	475417	28.82836	20.30733	0.0466009	0.997881		0.995	

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12_15:05	7/31/12_18:24

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	2233630	0.2	1477410	0.5	1120412	1	946984	2	1011274	5	961363.4
Bromofluorobenzene	0.01	1563200	0.02	941550	0.05	566820	0.1	481890	0.2	490520	0.5	412342

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12 15:05	7/31/12 18:24

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1291846	38.82256	7.807	0.017641	0.9992676		0.995	
Bromofluorobenzene	742720.3	59.74288	20.3135	9.003825E-03	0.9969704		0.995	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	009F0701.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20606	Injection Date:	07/19/12
Lab Sample ID:	2G20606-ICV1	Injection Time:	20:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5899	1308562	1319550		18.0	20
Bromofluorobenzene	L	0.05000	0.05274	475417	452200		5.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21611	Injection Date:	08/02/12
Lab Sample ID:	2H21611-ICV1	Injection Time:	14:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4958	1291846	1119582		-0.8	20
Bromofluorobenzene	L	0.05000	0.04848	742720.3	607700		-3.0	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	003F0301.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20914	Injection Date:	07/26/12
Lab Sample ID:	2G20914-CCV1	Injection Time:	16:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4641	1308562	1094630		-7.2	20
Bromofluorobenzene	L	0.05000	0.06039	475417	511020		20.8	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	016F1601.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20914	Injection Date:	07/27/12
Lab Sample ID:	2G20914-CCV2	Injection Time:	00:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4115	1308562	1000768		-17.7	20
Bromofluorobenzene	L	0.05000	0.06252	475417	527400		25.0	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	028F2801.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20914	Injection Date:	07/27/12
Lab Sample ID:	2G20914-CCV3	Injection Time:	08:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4482	1308562	1066200		-10.4	20
Bromofluorobenzene	L	0.05000	0.05854	475417	496780		17.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	003F0301.D	Calibration Date:	07/19/12 16:07
Sequence:	2G21210	Injection Date:	07/27/12
Lab Sample ID:	2G21210-CCV1	Injection Time:	16:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4726	1308562	1109902		-5.5	20
Bromofluorobenzene	L	0.05000	0.06654	475417	558200		33.1	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	016F1601.D	Calibration Date:	07/19/12 16:07
Sequence:	2G21210	Injection Date:	07/28/12
Lab Sample ID:	2G21210-CCV2	Injection Time:	01:20

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.6035	1308562	1343866		20.7	20 *
Bromofluorobenzene	L	0.05000	0.07537	475417	626060		50.7	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	028F2801.D	Calibration Date:	07/19/12 16:07
Sequence:	2G21210	Injection Date:	07/28/12
Lab Sample ID:	2G21210-CCV3	Injection Time:	09:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4926	1308562	1145710		-1.5	20
Bromofluorobenzene	L	0.05000	0.06986	475417	583760		39.7	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	004F0601.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21612	Injection Date:	08/02/12
Lab Sample ID:	2H21612-CCV1	Injection Time:	16:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5098	1291846	1145982		2.0	20
Bromofluorobenzene	L	0.05000	0.04724	742720.3	597920		-5.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	019F2101.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21612	Injection Date:	08/03/12
Lab Sample ID:	2H21612-CCV2	Injection Time:	03:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4323	1291846	999794		-13.5	20
Bromofluorobenzene	L	0.05000	0.05000	742720.3	619760		0.0	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	022F2401.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21612	Injection Date:	08/03/12
Lab Sample ID:	2H21612-CCV3	Injection Time:	05:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4402	1291846	1014820		-12.0	20
Bromofluorobenzene	L	0.05000	0.04749	742720.3	599860		-5.0	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20914	Instrument:	GL-GCVOA2
		Calibration:	2206001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20914-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 07/26/12 16:05		
Bromofluorobenzene	0.05000	121	80 - 120	20.3	20.3	0.0000	+/-0.210	*
LCS (2G26008-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 07/26/12 16:46		
Bromofluorobenzene	0.05000	125	50 - 150	20.303	20.3	0.0030	+/-0.210	
Blank (2G26008-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 07/26/12 17:26		
Bromofluorobenzene	0.05000	156	50 - 150	20.306	20.3	0.0060	+/-0.210	*
Calibration Check (2G20914-CCV2) ug/mL				Lab File ID: 016F1601.D		Analyzed: 07/27/12 00:37		
Bromofluorobenzene	0.05000	125	80 - 120	20.316	20.3	0.0160	+/-0.210	*
GW0664 (1207130-01) mg/L				Lab File ID: 018F1801.D		Analyzed: 07/27/12 01:55		
Bromofluorobenzene	0.05000	150	50 - 150	20.316	20.3	0.0160	+/-0.210	
GW0666 (1207130-03) mg/L				Lab File ID: 019F1901.D		Analyzed: 07/27/12 02:34		
Bromofluorobenzene	0.05000	148	50 - 150	20.316	20.3	0.0160	+/-0.210	
GW0671 (1207130-05) mg/L				Lab File ID: 020F2001.D		Analyzed: 07/27/12 03:13		
Bromofluorobenzene	0.05000	144	50 - 150	20.316	20.3	0.0160	+/-0.210	
Matrix Spike (2G26008-MS1) mg/L				Lab File ID: 021F2101.D		Analyzed: 07/27/12 03:52		
Bromofluorobenzene	0.05000	126	50 - 150	20.323	20.3	0.0230	+/-0.210	
Matrix Spike Dup (2G26008-MSD1) mg/L				Lab File ID: 022F2201.D		Analyzed: 07/27/12 04:30		
Bromofluorobenzene	0.05000	110	50 - 150	20.336	20.3	0.0360	+/-0.210	
GW0673 (1207130-07) mg/L				Lab File ID: 023F2301.D		Analyzed: 07/27/12 05:07		
Bromofluorobenzene	0.05000	129	50 - 150	20.34	20.3	0.0400	+/-0.210	
GW0717 (1207130-09) mg/L				Lab File ID: 024F2401.D		Analyzed: 07/27/12 05:45		
Bromofluorobenzene	0.05000	129	50 - 150	20.34	20.3	0.0400	+/-0.210	
GW0718 (1207130-11) mg/L				Lab File ID: 025F2501.D		Analyzed: 07/27/12 06:23		
Bromofluorobenzene	0.05000	132	50 - 150	20.34	20.3	0.0400	+/-0.210	
GW0719 (1207130-13) mg/L				Lab File ID: 026F2601.D		Analyzed: 07/27/12 07:01		
Bromofluorobenzene	0.05000	132	50 - 150	20.333	20.3	0.0330	+/-0.210	
GW0742 (1207130-15) mg/L				Lab File ID: 027F2701.D		Analyzed: 07/27/12 07:40		
Bromofluorobenzene	0.05000	130	50 - 150	20.326	20.3	0.0260	+/-0.210	
Calibration Check (2G20914-CCV3) ug/mL				Lab File ID: 028F2801.D		Analyzed: 07/27/12 08:19		
Bromofluorobenzene	0.05000	117	80 - 120	20.323	20.3	0.0230	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21210	Instrument:	GL-GCVOA2
		Calibration:	2206001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G21210-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 07/27/12 16:59		
Bromofluorobenzene	0.05000	133	80 - 120	20.313	20.313	0.0000	+/-0.210	*
LCS (2G27012-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 07/27/12 17:38		
Bromofluorobenzene	0.05000	133	50 - 150	20.316	20.313	0.0030	+/-0.210	
Blank (2G27012-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 07/27/12 18:16		
Bromofluorobenzene	0.05000	156	50 - 150	20.32	20.313	0.0070	+/-0.210	*
Calibration Check (2G21210-CCV2) ug/mL				Lab File ID: 016F1601.D		Analyzed: 07/28/12 01:20		
Bromofluorobenzene	0.05000	151	80 - 120	20.316	20.313	0.0030	+/-0.210	*
GW0665 (1207138-01) mg/L				Lab File ID: 019F1901.D		Analyzed: 07/28/12 03:16		
Bromofluorobenzene	0.05000	200	50 - 150	20.32	20.313	0.0070	+/-0.210	*
GW0684 (1207138-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 07/28/12 03:55		
Bromofluorobenzene	0.05000	198	50 - 150	20.32	20.313	0.0070	+/-0.210	*
GW0692 (1207138-05) mg/L				Lab File ID: 021F2101.D		Analyzed: 07/28/12 04:34		
Bromofluorobenzene	0.05000	199	50 - 150	20.32	20.313	0.0070	+/-0.210	*
Matrix Spike (2G27012-MS1) mg/L				Lab File ID: 022F2201.D		Analyzed: 07/28/12 05:13		
Bromofluorobenzene	0.05000	158	50 - 150	20.326	20.313	0.0130	+/-0.210	*
Matrix Spike Dup (2G27012-MSD1) mg/L				Lab File ID: 023F2301.D		Analyzed: 07/28/12 05:51		
Bromofluorobenzene	0.05000	146	50 - 150	20.336	20.313	0.0230	+/-0.210	
GW0703 (1207138-09) mg/L				Lab File ID: 025F2501.D		Analyzed: 07/28/12 07:08		
Bromofluorobenzene	0.05000	180	50 - 150	20.323	20.313	0.0100	+/-0.210	*
GW0740 (1207138-11) mg/L				Lab File ID: 026F2601.D		Analyzed: 07/28/12 07:46		
Bromofluorobenzene	0.05000	163	50 - 150	20.32	20.313	0.0070	+/-0.210	*
GW0741 (1207138-13) mg/L				Lab File ID: 027F2701.D		Analyzed: 07/28/12 08:26		
Bromofluorobenzene	0.05000	176	50 - 150	20.316	20.313	0.0030	+/-0.210	*
Calibration Check (2G21210-CCV3) ug/mL				Lab File ID: 028F2801.D		Analyzed: 07/28/12 09:05		
Bromofluorobenzene	0.05000	140	80 - 120	20.316	20.313	0.0030	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21612	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21612-CCV1) ug/mL				Lab File ID: 004F0601.D		Analyzed: 08/02/12 16:59		
Bromofluorobenzene	0.05000	94.5	80 - 120	20.283	20.283	0.0000	+/-0.210	
LCS (2G30005-BS1) mg/L				Lab File ID: 005F0701.D		Analyzed: 08/02/12 17:40		
Bromofluorobenzene	0.05000	99.0	50 - 150	20.293	20.283	0.0100	+/-0.210	
Blank (2G30005-BLK1) mg/L				Lab File ID: 006F0801.D		Analyzed: 08/02/12 18:21		
Bromofluorobenzene	0.05000	115	50 - 150	20.293	20.283	0.0100	+/-0.210	
GW0693 (1207138-07RE1) mg/L				Lab File ID: 009F1101.D		Analyzed: 08/02/12 20:23		
Bromofluorobenzene	0.05000	119	50 - 150	20.303	20.283	0.0200	+/-0.210	
Matrix Spike (2G30005-MS1) mg/L				Lab File ID: 010F1201.D		Analyzed: 08/02/12 21:03		
Bromofluorobenzene	0.05000	112	50 - 150	20.306	20.283	0.0230	+/-0.210	
Matrix Spike Dup (2G30005-MSD1) mg/L				Lab File ID: 011F1301.D		Analyzed: 08/02/12 21:43		
Bromofluorobenzene	0.05000	117	50 - 150	20.31	20.283	0.0270	+/-0.210	
GW0674 (1207152-01) mg/L				Lab File ID: 012F1401.D		Analyzed: 08/02/12 22:24		
Bromofluorobenzene	0.05000	119	50 - 150	20.31	20.283	0.0270	+/-0.210	
GW0675 (1207152-03) mg/L				Lab File ID: 013F1501.D		Analyzed: 08/02/12 23:05		
Bromofluorobenzene	0.05000	126	50 - 150	20.303	20.283	0.0200	+/-0.210	
GW0676 (1207152-05) mg/L				Lab File ID: 014F1601.D		Analyzed: 08/02/12 23:47		
Bromofluorobenzene	0.05000	127	50 - 150	20.3	20.283	0.0170	+/-0.210	
GW0681 (1207152-07) mg/L				Lab File ID: 015F1701.D		Analyzed: 08/03/12 00:29		
Bromofluorobenzene	0.05000	122	50 - 150	20.296	20.283	0.0130	+/-0.210	
GW0682 (1207152-09) mg/L				Lab File ID: 016F1801.D		Analyzed: 08/03/12 01:12		
Bromofluorobenzene	0.05000	127	50 - 150	20.296	20.283	0.0130	+/-0.210	
GW0683 (1207152-11) mg/L				Lab File ID: 017F1901.D		Analyzed: 08/03/12 01:54		
Bromofluorobenzene	0.05000	120	50 - 150	20.296	20.283	0.0130	+/-0.210	
GW0690 (1207152-13) mg/L				Lab File ID: 018F2001.D		Analyzed: 08/03/12 02:35		
Bromofluorobenzene	0.05000	125	50 - 150	20.3	20.283	0.0170	+/-0.210	
Calibration Check (2H21612-CCV2) ug/mL				Lab File ID: 019F2101.D		Analyzed: 08/03/12 03:15		
Bromofluorobenzene	0.05000	100	80 - 120	20.31	20.283	0.0270	+/-0.210	
GW0691 (1207152-15) mg/L				Lab File ID: 020F2201.D		Analyzed: 08/03/12 03:55		
Bromofluorobenzene	0.05000	111	50 - 150	20.313	20.283	0.0300	+/-0.210	
GW0700 (1207152-17) mg/L				Lab File ID: 021F2301.D		Analyzed: 08/03/12 04:34		
Bromofluorobenzene	0.05000	109	50 - 150	20.32	20.283	0.0370	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21612	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21612-CCV3) ug/mL				Lab File ID: 022F2401.D		Analyzed: 08/03/12 05:13		
Bromofluorobenzene	0.05000	95.0	80 - 120	20.32	20.283	0.0370	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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
GW0664	07/24/12 12:38	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 01:55	2.51	14.00	
GW0666	07/24/12 10:22	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 02:34	2.63	14.00	
GW0671	07/23/12 14:38	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 03:13	3.48	14.00	
GW0673	07/23/12 10:14	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 05:07	3.75	14.00	
GW0717	07/23/12 15:52	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 05:45	3.54	14.00	
GW0718	07/23/12 13:42	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 06:23	3.65	14.00	
GW0719	07/23/12 11:32	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 07:01	3.77	14.00	
GW0742	07/24/12 10:32	07/25/12 08:20	07/26/12 10:28	N/A	14.00	07/27/12 07:40	2.84	14.00	
GW0665	07/24/12 14:35	07/26/12 08:20	07/27/12 12:22	N/A	14.00	07/28/12 03:16	3.49	14.00	
GW0684	07/25/12 10:18	07/26/12 08:20	07/27/12 12:22	N/A	14.00	07/28/12 03:55	2.69	14.00	
GW0692	07/25/12 10:01	07/26/12 08:20	07/27/12 12:22	N/A	14.00	07/28/12 04:34	2.73	14.00	
GW0693	07/25/12 12:07	07/26/12 08:20	07/30/12 17:13	N/A	14.00	08/02/12 20:23	8.30	14.00	
GW0703	07/25/12 13:15	07/26/12 08:20	07/27/12 12:22	N/A	14.00	07/28/12 07:08	2.70	14.00	
GW0740	07/24/12 14:19	07/26/12 08:20	07/27/12 12:22	N/A	14.00	07/28/12 07:46	3.69	14.00	
GW0741	07/24/12 16:34	07/26/12 08:20	07/27/12 12:22	N/A	14.00	07/28/12 08:26	3.62	14.00	
GW0674	07/26/12 14:41	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/02/12 22:24	7.28	14.00	
GW0675	07/26/12 12:18	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/02/12 23:05	7.41	14.00	
GW0676	07/26/12 10:14	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/02/12 23:47	7.52	14.00	
GW0681	07/26/12 14:42	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/03/12 00:29	7.37	14.00	
GW0682	07/26/12 12:39	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/03/12 01:12	7.48	14.00	
GW0683	07/25/12 10:29	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/03/12 01:54	8.60	14.00	
GW0690	07/25/12 15:27	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/03/12 02:35	8.42	14.00	
GW0691	07/25/12 15:27	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/03/12 03:55	8.48	14.00	
GW0700	07/25/12 15:39	07/27/12 08:30	07/30/12 17:13	N/A	14.00	08/03/12 04:34	8.50	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26008-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	07/26/12 17:26
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G26008	Sequence:	2G20914	Calibration:	2206001	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	0.07785	156	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26008-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	07/26/12 16:46
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G26008	Sequence:	2G20914	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.3961	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06248	125	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26008-MS1	File ID:	021F2101.D
Sampled:		Prepared:		Analyzed:	07/27/12 03:52
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G26008	Sequence:	2G20914	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4199	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06317	126	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26008-MSD1	File ID:	022F2201.D
Sampled:		Prepared:		Analyzed:	07/27/12 04:30
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G26008	Sequence:	2G20914	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4068	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05490	110	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G27012-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	07/27/12 18:16
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G27012	Sequence:	2G21210	Calibration:	2206001	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	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07801	156	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G27012-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	07/27/12 17:38
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G27012	Sequence:	2G21210	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4024	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06648	133	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G27012-MS1	File ID:	022F2201.D
Sampled:		Prepared:		Analyzed:	07/28/12 05:13
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G27012	Sequence:	2G21210	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.3803	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07876	158	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G27012-MSD1	File ID:	023F2301.D
Sampled:		Prepared:		Analyzed:	07/28/12 05:51
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2G27012 Sequence: 2G21210 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4082	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07324	146	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G30005-BLK1	File ID:	006F0801.D
Sampled:		Prepared:		Analyzed:	08/02/12 18:21
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G30005	Sequence:	2H21612	Calibration:	2216001	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	0.05767	115	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G30005-BS1	File ID:	005F0701.D
Sampled:		Prepared:		Analyzed:	08/02/12 17:40
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G30005	Sequence:	2H21612	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5457	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04949	99.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G30005-MS1	File ID:	010F1201.D
Sampled:		Prepared:		Analyzed:	08/02/12 21:03
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G30005	Sequence:	2H21612	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	14.07	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05583	112	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G30005-MSD1	File ID:	011F1301.D
Sampled:		Prepared:		Analyzed:	08/02/12 21:43
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G30005	Sequence:	2H21612	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	14.01	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05844	117	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20809	Instrument:	GL-ECD2
Calibration:	2208004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20809-CAL1	002R0101.D	07/24/12 09:58
Cal Standard	2G20809-CAL1	002F0101.D	07/24/12 09:58
Cal Standard	2G20809-CAL2	003R0101.D	07/24/12 10:19
Cal Standard	2G20809-CAL2	003F0101.D	07/24/12 10:19
Cal Standard	2G20809-CAL3	004R0101.D	07/24/12 10:41
Cal Standard	2G20809-CAL3	004F0101.D	07/24/12 10:41
Cal Standard	2G20809-CAL4	005R0101.D	07/24/12 11:03
Cal Standard	2G20809-CAL4	005F0101.D	07/24/12 11:03
Cal Standard	2G20809-CAL5	006R0101.D	07/24/12 11:25
Cal Standard	2G20809-CAL5	006F0101.D	07/24/12 11:25
Cal Standard	2G20809-CAL6	007R0101.D	07/24/12 11:47
Cal Standard	2G20809-CAL6	007F0101.D	07/24/12 11:47
Initial Cal Check	2G20809-ICV1	008R0101.D	07/24/12 12:09
Initial Cal Check	2G20809-ICV1	008F0101.D	07/24/12 12:09

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21408	Instrument:	GL-ECD2
Calibration:	2208004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21408-CCV1	002R0101.D	07/27/12 10:14
Calibration Check	2H21408-CCV1	002F0101.D	07/27/12 10:14
Blank	2G26010-BLK1	003R0101.D	07/27/12 10:35
Blank	2G26010-BLK1	003F0101.D	07/27/12 10:35
LCS	2G26010-BS1	004R0101.D	07/27/12 10:56
LCS	2G26010-BS1	004F0101.D	07/27/12 10:56
Calibration Check	2H21408-CCV2	017F0101.D	07/27/12 15:44
Calibration Check	2H21408-CCV2	017R0101.D	07/27/12 15:44
GW0664	1207130-01	024F0101.D	07/27/12 18:16
GW0664	1207130-01	024R0101.D	07/27/12 18:16
GW0666	1207130-03	025F0101.D	07/27/12 18:38
GW0666	1207130-03	025R0101.D	07/27/12 18:38
GW0671	1207130-05	026R0101.D	07/27/12 18:59
GW0671	1207130-05	026F0101.D	07/27/12 18:59
GW0671	2G26010-MS2	027F0101.D	07/27/12 19:21
GW0671	2G26010-MS2	027R0101.D	07/27/12 19:21
GW0671	2G26010-MSD2	028R0101.D	07/27/12 19:42
GW0671	2G26010-MSD2	028F0101.D	07/27/12 19:42
GW0673	1207130-07	029R0101.D	07/27/12 20:03
GW0673	1207130-07	029F0101.D	07/27/12 20:03
Calibration Check	2H21408-CCV3	030R0101.D	07/27/12 20:24
Calibration Check	2H21408-CCV3	030F0101.D	07/27/12 20:24

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21613	Instrument:	GL-ECD2
Calibration:	2208004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21613-CCV1	003R0101.D	08/01/12 18:45
Calibration Check	2H21613-CCV1	003F0101.D	08/01/12 18:45
Blank	2H01013-BLK1	004R0101.D	08/01/12 19:02
Blank	2H01013-BLK1	004F0101.D	08/01/12 19:02
LCS	2H01013-BS1	005R0101.D	08/01/12 19:23
LCS	2H01013-BS1	005F0101.D	08/01/12 19:23
GW0717	1207130-09	007F0101.D	08/01/12 20:05
GW0717	1207130-09	007R0101.D	08/01/12 20:05
GW0719	1207130-13	009F0101.D	08/01/12 20:48
GW0719	1207130-13	009R0101.D	08/01/12 20:48
GW0742	1207130-15	010R0101.D	08/01/12 21:09
GW0742	1207130-15	010F0101.D	08/01/12 21:09
GW0665	1207138-01	011R0101.D	08/01/12 21:30
GW0665	1207138-01	011F0101.D	08/01/12 21:30
GW0692	1207138-05	013F0101.D	08/01/12 22:13
GW0692	1207138-05	013R0101.D	08/01/12 22:13
Calibration Check	2H21613-CCV2	018F0101.D	08/02/12 00:01
Calibration Check	2H21613-CCV2	018R0101.D	08/02/12 00:01
GW0740	1207138-11	019F0101.D	08/02/12 00:22
GW0740	1207138-11	019R0101.D	08/02/12 00:22
GW0741	1207138-13	020F0101.D	08/02/12 00:44
GW0741	1207138-13	020R0101.D	08/02/12 00:44
GW0674	1207152-01	021R0101.D	08/02/12 01:06
GW0674	1207152-01	021F0101.D	08/02/12 01:06
GW0675	1207152-03	022R0101.D	08/02/12 01:27
GW0675	1207152-03	022F0101.D	08/02/12 01:27
GW0676	1207152-05	023F0101.D	08/02/12 01:49
GW0676	1207152-05	023R0101.D	08/02/12 01:49
GW0681	1207152-07	024R0101.D	08/02/12 02:11
GW0681	1207152-07	024F0101.D	08/02/12 02:11
GW0682	1207152-09	025R0101.D	08/02/12 02:32
GW0682	1207152-09	025F0101.D	08/02/12 02:32

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21613	Instrument:	GL-ECD2
Calibration:	2208004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0683	1207152-11	026R0101.D	08/02/12 02:54
GW0683	1207152-11	026F0101.D	08/02/12 02:54
GW0690	1207152-13	027F0101.D	08/02/12 03:16
GW0690	1207152-13	027R0101.D	08/02/12 03:16
GW0691	1207152-15	028R0101.D	08/02/12 03:37
GW0691	1207152-15	028F0101.D	08/02/12 03:37
Calibration Check	2H21613-CCV3	029R0101.D	08/02/12 03:59
Calibration Check	2H21613-CCV3	029F0101.D	08/02/12 03:59

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21614	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21614-CCV1	009R0101.D	08/02/12 17:41
Calibration Check	2H21614-CCV1	009F0101.D	08/02/12 17:41
GW0718	1207130-11RE1	012R0101.D	08/02/12 18:47
GW0718	1207130-11RE1	012F0101.D	08/02/12 18:47
GW0684	1207138-03RE1	013F0101.D	08/02/12 19:09
GW0684	1207138-03RE1	013R0101.D	08/02/12 19:09
GW0693	1207138-07RE1	014R0101.D	08/02/12 19:31
GW0693	1207138-07RE1	014F0101.D	08/02/12 19:31
GW0693	2H01013-MS2	015R0101.D	08/02/12 19:53
GW0693	2H01013-MS2	015F0101.D	08/02/12 19:53
GW0693	2H01013-MSD2	016R0101.D	08/02/12 20:14
GW0693	2H01013-MSD2	016F0101.D	08/02/12 20:14
GW0703	1207138-09RE1	017R0101.D	08/02/12 20:36
GW0703	1207138-09RE1	017F0101.D	08/02/12 20:36
Calibration Check	2H21614-CCV2	018R0101.D	08/02/12 20:57
Calibration Check	2H21614-CCV2	018F0101.D	08/02/12 20:57

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21615	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21615-CAL1	002R0101.D	08/02/12 15:07
Cal Standard	2H21615-CAL1	002F0101.D	08/02/12 15:07
Cal Standard	2H21615-CAL2	003R0101.D	08/02/12 15:29
Cal Standard	2H21615-CAL3	004R0101.D	08/02/12 15:51
Cal Standard	2H21615-CAL3	004F0101.D	08/02/12 15:51
Cal Standard	2H21615-CAL4	005R0101.D	08/02/12 16:13
Cal Standard	2H21615-CAL4	005F0101.D	08/02/12 16:13
Cal Standard	2H21615-CAL5	006R0101.D	08/02/12 16:35
Cal Standard	2H21615-CAL5	006F0101.D	08/02/12 16:35
Cal Standard	2H21615-CAL6	007R0101.D	08/02/12 16:57
Cal Standard	2H21615-CAL6	007F0101.D	08/02/12 16:57
Initial Cal Check	2H21615-ICV1	008R0101.D	08/02/12 17:19
Initial Cal Check	2H21615-ICV1	008F0101.D	08/02/12 17:19

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22113	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22113-CCV1	002R0101.D	08/03/12 15:15
Calibration Check	2H22113-CCV1	002F0101.D	08/03/12 15:15
Blank	2H03011-BLK1	003R0101.D	08/03/12 15:36
Blank	2H03011-BLK1	003F0101.D	08/03/12 15:36
LCS	2H03011-BS1	004R0101.D	08/03/12 15:58
LCS	2H03011-BS1	004F0101.D	08/03/12 15:58
LCS Dup	2H03011-BSD1	005R0101.D	08/03/12 16:19
LCS Dup	2H03011-BSD1	005F0101.D	08/03/12 16:19
GW0700	1207152-17	006R0101.D	08/03/12 16:41
GW0700	1207152-17	006F0101.D	08/03/12 16:41
Calibration Check	2H22113-CCV2	016R0101.D	08/03/12 20:13
Calibration Check	2H22113-CCV2	016F0101.D	08/03/12 20:13

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01	File ID:	024F0101.D
Sampled:	07/24/12 12:38	Prepared:	07/26/12 10:49	Analyzed:	07/27/12 18:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G26010 Sequence: 2H21408 Calibration: 2208004 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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.878	1.513	80.6	30 - 130	
1,3-Dibromopropane [2C]	1.878	1.462	77.8	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03	File ID:	025R0101.D
Sampled:	07/24/12 10:22	Prepared:	07/26/12 10:49	Analyzed:	07/27/12 18:38
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G26010 Sequence: 2H21408 Calibration: 2208004 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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.878	1.075	57.3	30 - 130	
1,3-Dibromopropane [2C]	1.878	1.053	56.1	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05	File ID:	026R0101.D
Sampled:	07/23/12 14:38	Prepared:	07/26/12 10:49	Analyzed:	07/27/12 18:59
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G26010 Sequence: 2H21408 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00929	0.0186	0.0279	UN

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.858	1.132	60.9	30 - 130	
1,3-Dibromopropane [2C]	1.858	1.107	59.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07	File ID:	029R0101.D
Sampled:	07/23/12 10:14	Prepared:	07/26/12 10:49	Analyzed:	07/27/12 20:03
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G26010 Sequence: 2H21408 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00934	0.0187	0.0280	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.868	1.423	76.2	30 - 130	
1,3-Dibromopropane [2C]	1.868	1.501	80.3	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09	File ID:	007R0101.D
Sampled:	07/23/12 15:52	Prepared:	08/01/12 11:54	Analyzed:	08/01/12 20:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00936	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.871	1.148	61.4	30 - 130	Y
1,3-Dibromopropane [2C]	1.871	1.219	65.2	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11RE1	File ID:	012F0101.D
Sampled:	07/23/12 13:42	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 18:47
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21614 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.394	0.00920	0.0184	0.0276	Q

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.839	1.180	64.2	30 - 130	
1,3-Dibromopropane [2C]	1.839	0.9968	54.2	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13	File ID:	009R0101.D
Sampled:	07/23/12 11:32	Prepared:	08/01/12 11:54	Analyzed:	08/01/12 20:48
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00933	0.0187	0.0280	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.867	1.235	66.2	30 - 130	Y
1,3-Dibromopropane [2C]	1.867	1.311	70.2	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15	File ID:	010R0101.D
Sampled:	07/24/12 10:32	Prepared:	08/01/12 11:54	Analyzed:	08/01/12 21:09
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00921	0.0184	0.0276	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.841	1.374	74.6	30 - 130	Y
1,3-Dibromopropane [2C]	1.841	1.463	79.4	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01	File ID:	011R0101.D
Sampled:	07/24/12 14:35	Prepared:	08/01/12 11:54	Analyzed:	08/01/12 21:30
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00935	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.871	1.275	68.2	30 - 130	Y
1,3-Dibromopropane [2C]	1.871	1.368	73.1	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03RE1	File ID:	013F0101.D
Sampled:	07/25/12 10:18	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 19:09
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2H01013 Sequence: 2H21614 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	2.52	0.0460	0.0920	0.138	DQ

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.841	2.261	123	30 - 130	
1,3-Dibromopropane [2C]	1.841	2.337	127	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05	File ID:	013F0101.D
Sampled:	07/25/12 10:01	Prepared:	08/01/12 11:54	Analyzed:	08/01/12 22:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00931	0.0186	0.0279	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.863	1.329	71.4	30 - 130	Y
1,3-Dibromopropane [2C]	1.863	1.417	76.1	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07RE1	File ID:	014F0101.D
Sampled:	07/25/12 12:07	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 19:31
Solids:		Preparation:	EDB	Dilution:	50

Batch: 2H01013 Sequence: 2H21614 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	40.2	0.458	0.915	1.37	DQ

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.831	ND		30 - 130	D
1,3-Dibromopropane [2C]	1.831	ND		30 - 130	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09RE1	File ID:	017R0101.D
Sampled:	07/25/12 13:15	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 20:36
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21614 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.586	0.00926	0.0185	0.0278	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.853	1.857	100	30 - 130	
1,3-Dibromopropane [2C]	1.853	1.622	87.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11	File ID:	019R0101.D
Sampled:	07/24/12 14:19	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 00:22
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00942	0.0188	0.0283	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.885	1.500	79.6	30 - 130	Y
1,3-Dibromopropane [2C]	1.885	1.572	83.4	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13	File ID:	020R0101.D
Sampled:	07/24/12 16:34	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 00:44
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00935	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.871	1.456	77.9	30 - 130	Y
1,3-Dibromopropane [2C]	1.871	1.517	81.1	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01	File ID:	021R0101.D
Sampled:	07/26/12 14:41	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 01:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00924	0.0185	0.0277	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.848	1.379	74.6	30 - 130	Y
1,3-Dibromopropane [2C]	1.848	1.411	76.4	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03	File ID:	022F0101.D
Sampled:	07/26/12 12:18	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 01:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00908	0.0182	0.0272	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.815	1.274	70.2	30 - 130	Y
1,3-Dibromopropane [2C]	1.815	1.333	73.4	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05	File ID:	023R0101.D
Sampled:	07/26/12 10:14	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 01:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00916	0.0183	0.0275	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.833	1.568	85.6	30 - 130	Y
1,3-Dibromopropane [2C]	1.833	1.680	91.7	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07	File ID:	024R0101.D
Sampled:	07/26/12 14:42	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 02:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00934	0.0187	0.0280	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.868	2.051	110	30 - 130	Y
1,3-Dibromopropane [2C]	1.868	2.147	115	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09	File ID:	025R0101.D
Sampled:	07/26/12 12:39	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 02:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00919	0.0184	0.0276	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.838	1.917	104	30 - 130	Y
1,3-Dibromopropane [2C]	1.838	2.055	112	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11	File ID:	026F0101.D
Sampled:	07/25/12 10:29	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 02:54
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00930	0.0186	0.0279	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.860	1.859	99.9	30 - 130	Y
1,3-Dibromopropane [2C]	1.860	1.924	103	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13	File ID:	027R0101.D
Sampled:	07/25/12 15:27	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 03:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00931	0.0186	0.0279	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.863	1.569	84.3	30 - 130	Y
1,3-Dibromopropane [2C]	1.863	1.622	87.1	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15	File ID:	028R0101.D
Sampled:	07/25/12 15:27	Prepared:	08/01/12 11:54	Analyzed:	08/02/12 03:37
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H01013 Sequence: 2H21613 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00920	0.0184	0.0276	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.840	1.219	66.2	30 - 130	Y
1,3-Dibromopropane [2C]	1.840	1.260	68.5	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17	File ID:	006F0101.D
Sampled:	07/25/12 15:39	Prepared:	08/03/12 11:51	Analyzed:	08/03/12 16:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H03011 Sequence: 2H22113 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.213	0.00923	0.0185	0.0277	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.846	2.013	109	30 - 130	
1,3-Dibromopropane [2C]	1.846	1.763	95.5	30 - 130	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26010	Laboratory ID:	2G26010-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	0.4810	96.2	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5081	102	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01013	Laboratory ID:	2H01013-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**	**0.3493**	**69.9**	**70 - 130**
1,2-Dibromoethane [2C]	0.5000	0.5196	104	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H03011	Laboratory ID:	2H03011-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	0.5989	120	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5892	118	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	0.5985	120	0.0685	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5850	117	0.698	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26010

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4584	ND	0.3190	69.6	*	70 - 130
1,2-Dibromoethane [2C]	0.4584	ND	0.4022	87.7		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4669	0.3757	80.5	16.3		20	70 - 130
1,2-Dibromoethane [2C]	0.4669	0.4730	101	16.2		20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H01013

% Solids:

Source Sample Name: **1207138-07RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	23.31	40.19	57.97	76.3		70 - 130
1,2-Dibromoethane [2C]	23.31	37.81	59.58	93.4		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	23.12	64.58	105	10.8		20	70 - 130
1,2-Dibromoethane [2C]	23.12	65.74	121	9.83		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G26010 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/26/12 10:49	37.27	35.00
GW0666	1207130-03	07/26/12 10:49	37.28	35.00
GW0671	1207130-05	07/26/12 10:49	37.67	35.00
GW0673	1207130-07	07/26/12 10:49	37.48	35.00
Blank	2G26010-BLK1	07/26/12 10:49	35.00	35.00
LCS	2G26010-BS1	07/26/12 10:49	35.00	35.00
GW0671	2G26010-MS2	07/26/12 10:49	38.18	35.00
GW0671	2G26010-MSD2	07/26/12 10:49	37.48	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H01013 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0717	1207130-09	08/01/12 11:54	37.41	35.00
GW0718	1207130-11RE1	08/01/12 11:54	38.06	35.00
GW0719	1207130-13	08/01/12 11:54	37.50	35.00
GW0742	1207130-15	08/01/12 11:54	38.02	35.00
GW0665	1207138-01	08/01/12 11:54	37.42	35.00
GW0684	1207138-03RE1	08/01/12 11:54	38.03	35.00
GW0692	1207138-05	08/01/12 11:54	37.58	35.00
GW0693	1207138-07RE1	08/01/12 11:54	38.24	35.00
GW0703	1207138-09RE1	08/01/12 11:54	37.78	35.00
GW0740	1207138-11	08/01/12 11:54	37.14	35.00
GW0741	1207138-13	08/01/12 11:54	37.42	35.00
GW0674	1207152-01	08/01/12 11:54	37.88	35.00
GW0675	1207152-03	08/01/12 11:54	38.56	35.00
GW0676	1207152-05	08/01/12 11:54	38.19	35.00
GW0681	1207152-07	08/01/12 11:54	37.48	35.00
GW0682	1207152-09	08/01/12 11:54	38.08	35.00
GW0683	1207152-11	08/01/12 11:54	37.63	35.00
GW0690	1207152-13	08/01/12 11:54	37.58	35.00
GW0691	1207152-15	08/01/12 11:54	38.04	35.00
Blank	2H01013-BLK1	08/01/12 11:54	35.00	35.00
LCS	2H01013-BS1	08/01/12 11:54	35.00	35.00
GW0693	2H01013-MS2	08/01/12 11:54	37.53	35.00
GW0693	2H01013-MSD2	08/01/12 11:54	37.84	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H03011 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0700	1207152-17	08/03/12 11:51	37.91	35.00
Blank	2H03011-BLK1	08/03/12 11:51	35.00	35.00
LCS	2H03011-BS1	08/03/12 11:51	35.00	35.00
LCS Dup	2H03011-BSD1	08/03/12 11:51	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26010-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	07/26/12 10:49	Analyzed:	07/27/12 10:35
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G26010	Sequence:	2H21408	Calibration:	2208004	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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	1.847	92.4	30 - 130	
1,3-Dibromopropane [2C]	2.000	1.828	91.4	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-BLK1	File ID:	004R0101.D
Sampled:		Prepared:	08/01/12 11:54	Analyzed:	08/01/12 19:02
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21613	Calibration:	2208004	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	UQY

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	1.606	80.3	30 - 130	Y
1,3-Dibromopropane [2C]	2.000	1.785	89.3	30 - 130	Y

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H03011-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	08/03/12 11:51	Analyzed:	08/03/12 15:36
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H03011	Sequence:	2H22113	Calibration:	2216002	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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.265	113	30 - 130	
1,3-Dibromopropane [2C]	2.000	2.051	103	30 - 130	

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20809	Instrument:	GL-ECD2
Calibration:	2208004		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12G0429	EDB ICAL 1 (0.02ppb)	2G20809-CAL1	002R0101.D	07/24/12 09:58
12G0429	EDB ICAL 1 (0.02ppb)	2G20809-CAL1	002F0101.D	07/24/12 09:58
12G0430	EDB ICAL 2 (0.05ppb)	2G20809-CAL2	003R0101.D	07/24/12 10:19
12G0430	EDB ICAL 2 (0.05ppb)	2G20809-CAL2	003F0101.D	07/24/12 10:19
12G0431	EDB ICAL 3 (0.10ppb)	2G20809-CAL3	004R0101.D	07/24/12 10:41
12G0431	EDB ICAL 3 (0.10ppb)	2G20809-CAL3	004F0101.D	07/24/12 10:41
12G0432	EDB ICAL 4 (0.20ppb)	2G20809-CAL4	005R0101.D	07/24/12 11:03
12G0432	EDB ICAL 4 (0.20ppb)	2G20809-CAL4	005F0101.D	07/24/12 11:03
12G0433	EDB ICAL 5 (0.5ppb)	2G20809-CAL5	006R0101.D	07/24/12 11:25
12G0433	EDB ICAL 5 (0.5ppb)	2G20809-CAL5	006F0101.D	07/24/12 11:25
12G0434	EDB ICAL 6 (1.0ppb)	2G20809-CAL6	007R0101.D	07/24/12 11:47
12G0434	EDB ICAL 6 (1.0ppb)	2G20809-CAL6	007F0101.D	07/24/12 11:47

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21615	Instrument:	GL-ECD2
Calibration:	2216002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12H0104	EDB ICAL 1 (0.02ppb)	2H21615-CAL1	002R0101.D	08/02/12 15:07
12H0104	EDB ICAL 1 (0.02ppb)	2H21615-CAL1	002F0101.D	08/02/12 15:07
12H0105	EDB ICAL 2 (0.05ppb)	2H21615-CAL2	003R0101.D	08/02/12 15:29
12H0106	EDB ICAL 3 (0.10ppb)	2H21615-CAL3	004R0101.D	08/02/12 15:51
12H0106	EDB ICAL 3 (0.10ppb)	2H21615-CAL3	004F0101.D	08/02/12 15:51
12H0107	EDB ICAL 4 (0.20ppb)	2H21615-CAL4	005R0101.D	08/02/12 16:13
12H0107	EDB ICAL 4 (0.20ppb)	2H21615-CAL4	005F0101.D	08/02/12 16:13
12H0108	EDB ICAL 5 (0.5ppb)	2H21615-CAL5	006R0101.D	08/02/12 16:35
12H0108	EDB ICAL 5 (0.5ppb)	2H21615-CAL5	006F0101.D	08/02/12 16:35
12H0109	EDB ICAL 6 (1.0ppb)	2H21615-CAL6	007R0101.D	08/02/12 16:57
12H0109	EDB ICAL 6 (1.0ppb)	2H21615-CAL6	007F0101.D	08/02/12 16:57

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2208004	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/24/12 9:58	7/24/12 11:47

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
1,2-Dibromoethane	0.02	41150	0.05	29020	0.1	22780	0.2	19470	0.5	16302	1	14768
1,2-Dibromoethane [2C]	0.02	67200	0.05	46820	0.1	38970	0.2	36435	0.5	33890	1	31733
1,2-Dibromo-3-chloropropane	0.02	67100	0.05	43860	0.1	35950	0.2	30840	0.5	24626	1	21490
1,2-Dibromo-3-chloropropane [2C]	0.02	405550	0.05	197040	0.1	123430	0.2	90405	0.5	68324	1	60776
1,3-Dibromopropane	0.1	33710	0.2	39675	0.5	41100	1	40058	2	35038.5	4	30737.5
1,3-Dibromopropane [2C]	0.1	140610	0.2	139970	0.5	134002	1	128224	2	110410	4	98875.5

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2208004	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/24/12 9:58	7/24/12 11:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	23915	41.21578	2.418	9.250722E-02	0.9982532		0.995	
1,2-Dibromoethane [2C]	42508	30.99692	2.2835	5.589195E-02	0.9994235		0.995	
1,2-Dibromo-3-chloropropane	37311	44.61043	8.5225	0.0323672	0.99562		0.995	
1,2-Dibromo-3-chloropropane [2C]	157587.5	83.25309	8.710167	4.340401E-02	0.9999462		0.995	
1,3-Dibromopropane	36719.83	11.34267	5.7385	9.311282E-02			20	
1,3-Dibromopropane [2C]	125348.6	13.60356	5.651833	0.0993681			20	

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	8/2/12_15:07	8/2/12_16:57

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	43750	0.5		0.1	16280	0.2	14565	0.5	11758	1	10534
1,2-Dibromoethane [2C]	0.02	45750	0.5		0.1	34170	0.2	31895	0.5	30424	1	28172
1,2-Dibromo-3-chloropropane	0.02	60200	0.5		0.1	25410	0.2	22470	0.5	18706	1	16802
1,2-Dibromo-3-chloropropane [2C]	0.02	526550	0.5		0.1	135080	0.2	94485	0.5	71130	1	59251
1,3-Dibromopropane	0.1	23890	0.2		0.5	30890	1	28945	2	29173.5	4	27095.75
1,3-Dibromopropane [2C]	0.1	131790	0.2		0.5	119632	1	120012	2	114218	4	106049

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	8/2/12 15:07	8/2/12 16:57

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	19377.4	71.27668	2.4076	9.018324E-02	0.9984684		0.995	
1,2-Dibromoethane [2C]	34082.2	20.18139	2.2744	0.1390909	0.9987498		0.995	
1,2-Dibromo-3-chloropropane	28717.6	62.37215	8.5068	1.954159E-02	0.9984851		0.995	
1,2-Dibromo-3-chloropropane [2C]	177299.2	111.3219	8.6948	4.920545E-03	0.9986171		0.995	
1,3-Dibromopropane	27998.85	9.505355	5.7244	5.988388E-02			20	
1,3-Dibromopropane [2C]	118340.2	7.943054	5.6374	5.560242E-02			20	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	008F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2G20809	Injection Date:	07/24/12
Lab Sample ID:	2G20809-ICV1	Injection Time:	12:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5191	23915	16320		3.8	20
1,2-Dibromoethane [2C]	L	0.5000	0.5136	42508	33750		2.7	20
1,3-Dibromopropane	A	2.000	1.905	36719.83	34977		-4.7	20
1,3-Dibromopropane [2C]	A	2.000	1.770	125348.6	110945.5		-11.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	008F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H21615	Injection Date:	08/02/12
Lab Sample ID:	2H21615-ICV1	Injection Time:	17:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5522	19377.4	12450		10.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5721	34082.2	33216		14.4	20
1,3-Dibromopropane	A	2.000	2.135	27998.85	29886.5		6.7	20
1,3-Dibromopropane [2C]	A	2.000	1.965	118340.2	116265		-1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	002F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2H21408	Injection Date:	07/27/12
Lab Sample ID:	2H21408-CCV1	Injection Time:	10:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4926	23915	15572		-1.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.5444	42508	35664		8.9	20
1,3-Dibromopropane	A	2.000	1.842	36719.83	33820.5		-7.9	20
1,3-Dibromopropane [2C]	A	2.000	1.810	125348.6	113431		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	017F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2H21408	Injection Date:	07/27/12
Lab Sample ID:	2H21408-CCV2	Injection Time:	15:44

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4563	23915	14546		-8.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5307	42508	34812		6.1	20
1,3-Dibromopropane	A	2.000	1.823	36719.83	33473.5		-8.8	20
1,3-Dibromopropane [2C]	A	2.000	1.774	125348.6	111200.5		-11.3	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	030F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2H21408	Injection Date:	07/27/12
Lab Sample ID:	2H21408-CCV3	Injection Time:	20:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4222	23915	13582		-15.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.5275	42508	34614		5.5	20
1,3-Dibromopropane	A	2.000	1.754	36719.83	32209		-12.3	20
1,3-Dibromopropane [2C]	A	2.000	1.725	125348.6	108141		-13.7	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_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	003F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2H21613	Injection Date:	08/01/12
Lab Sample ID:	2H21613-CCV1	Injection Time:	18:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.3299	23915	10970		-34.0	20 *
1,2-Dibromoethane [2C]	L	0.5000	0.4718	42508	31144		-5.6	20
1,3-Dibromopropane	A	2.000	1.481	36719.83	27193.5		-25.9	20 *
1,3-Dibromopropane [2C]	A	2.000	1.656	125348.6	103812.5		-17.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	018F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2H21613	Injection Date:	08/02/12
Lab Sample ID:	2H21613-CCV2	Injection Time:	00:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.3101	23915	10410		-38.0	20 *
1,2-Dibromoethane [2C]	L	0.5000	0.4066	42508	27092		-18.7	20
1,3-Dibromopropane	A	2.000	1.382	36719.83	25371.5		-30.9	20 *
1,3-Dibromopropane [2C]	A	2.000	1.430	125348.6	89655		-28.5	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	029F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2H21613	Injection Date:	08/02/12
Lab Sample ID:	2H21613-CCV3	Injection Time:	03:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.3358	23915	11138		-32.8	20 *
1,2-Dibromoethane [2C]	L	0.5000	0.4487	42508	29712		-10.3	20
1,3-Dibromopropane	A	2.000	1.657	36719.83	30424		-17.1	20
1,3-Dibromopropane [2C]	A	2.000	1.710	125348.6	107183.5		-14.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	009F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H21614	Injection Date:	08/02/12
Lab Sample ID:	2H21614-CCV1	Injection Time:	17:41

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5395	19377.4	12198		7.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5406	34082.2	31462		8.1	20
1,3-Dibromopropane	A	2.000	2.164	27998.85	30295		8.2	20
1,3-Dibromopropane [2C]	A	2.000	1.995	118340.2	118059.5		-0.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	018F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H21614	Injection Date:	08/02/12
Lab Sample ID:	2H21614-CCV2	Injection Time:	20:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5336	19377.4	12082		6.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5276	34082.2	30742		5.5	20
1,3-Dibromopropane	A	2.000	2.159	27998.85	30225		8.0	20
1,3-Dibromopropane [2C]	A	2.000	1.971	118340.2	116650.5		-1.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	002F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H22113	Injection Date:	08/03/12
Lab Sample ID:	2H22113-CCV1	Injection Time:	15:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5930	19377.4	13254		18.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.5390	34082.2	31372		7.8	20
1,3-Dibromopropane	A	2.000	2.308	27998.85	32306.5		15.4	20
1,3-Dibromopropane [2C]	A	2.000	2.070	118340.2	122516.5		3.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	016F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H22113	Injection Date:	08/03/12
Lab Sample ID:	2H22113-CCV2	Injection Time:	20:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5418	19377.4	12244		8.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5334	34082.2	31062		6.7	20
1,3-Dibromopropane	A	2.000	2.239	27998.85	31342.5		11.9	20
1,3-Dibromopropane [2C]	A	2.000	1.976	118340.2	116917.5		-1.2	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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21408	Instrument:	GL-ECD2
		Calibration:	2208004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21408-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 07/27/12 10:14		
1,3-Dibromopropane	2.000	92.1	80 - 120	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	90.5	80 - 120	5.656	5.656	0.0000	+/-0.030	
Blank (2G26010-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 07/27/12 10:35		
1,3-Dibromopropane	2.000	92.4	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	2.000	91.4	30 - 130	5.653	5.656	-0.0030	+/-0.030	
LCS (2G26010-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 07/27/12 10:56		
1,3-Dibromopropane	2.000	90.3	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	2.000	89.4	30 - 130	5.65	5.656	-0.0060	+/-0.030	
Calibration Check (2H21408-CCV2) ug/L				Lab File ID: 017F0101.D		Analyzed: 07/27/12 15:44		
1,3-Dibromopropane	2.000	91.2	80 - 120	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	2.000	88.7	80 - 120	5.646	5.656	-0.0100	+/-0.030	
GW0664 (1207130-01) ug/L				Lab File ID: 024F0101.D		Analyzed: 07/27/12 18:16		
1,3-Dibromopropane	1.878	80.6	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.878	77.8	30 - 130	5.653	5.656	-0.0030	+/-0.030	
GW0666 (1207130-03) ug/L				Lab File ID: 025F0101.D		Analyzed: 07/27/12 18:38		
1,3-Dibromopropane	1.878	57.3	30 - 130	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.878	56.1	30 - 130	5.656	5.656	0.0000	+/-0.030	
GW0671 (1207130-05) ug/L				Lab File ID: 026F0101.D		Analyzed: 07/27/12 18:59		
1,3-Dibromopropane	1.858	60.9	30 - 130	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.858	59.6	30 - 130	5.656	5.656	0.0000	+/-0.030	
Matrix Spike (2G26010-MS2) ug/L				Lab File ID: 027F0101.D		Analyzed: 07/27/12 19:21		
1,3-Dibromopropane	1.833	72.5	30 - 130	5.743	5.74	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.833	71.4	30 - 130	5.656	5.656	0.0000	+/-0.030	
Matrix Spike Dup (2G26010-MSD2) ug/L				Lab File ID: 028F0101.D		Analyzed: 07/27/12 19:42		
1,3-Dibromopropane	1.868	81.9	30 - 130	5.743	5.74	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.868	80.2	30 - 130	5.656	5.656	0.0000	+/-0.030	
GW0673 (1207130-07) ug/L				Lab File ID: 029F0101.D		Analyzed: 07/27/12 20:03		
1,3-Dibromopropane	1.868	76.2	30 - 130	5.743	5.74	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.868	80.3	30 - 130	5.66	5.656	0.0040	+/-0.030	
Calibration Check (2H21408-CCV3) ug/L				Lab File ID: 030F0101.D		Analyzed: 07/27/12 20:24		
1,3-Dibromopropane	2.000	87.7	80 - 120	5.743	5.74	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	86.2	80 - 120	5.66	5.656	0.0040	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21613	Instrument:	GL-ECD2
		Calibration:	2208004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21613-CCV1) ug/L				Lab File ID: 003F0101.D		Analyzed: 08/01/12 18:45		
1,3-Dibromopropane	2.000	74.0	80 - 120	5.733	5.733	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	82.8	80 - 120	5.643	5.643	0.0000	+/-0.030	
Blank (2H01013-BLK1) ug/L				Lab File ID: 004F0101.D		Analyzed: 08/01/12 19:02		
1,3-Dibromopropane	2.000	80.3	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	89.3	30 - 130	5.646	5.643	0.0030	+/-0.030	
LCS (2H01013-BS1) ug/L				Lab File ID: 005F0101.D		Analyzed: 08/01/12 19:23		
1,3-Dibromopropane	2.000	77.0	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	84.8	30 - 130	5.646	5.643	0.0030	+/-0.030	
GW0717 (1207130-09) ug/L				Lab File ID: 007F0101.D		Analyzed: 08/01/12 20:05		
1,3-Dibromopropane	1.871	61.4	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.871	65.2	30 - 130	5.646	5.643	0.0030	+/-0.030	
GW0719 (1207130-13) ug/L				Lab File ID: 009F0101.D		Analyzed: 08/01/12 20:48		
1,3-Dibromopropane	1.867	66.2	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.867	70.2	30 - 130	5.646	5.643	0.0030	+/-0.030	
GW0742 (1207130-15) ug/L				Lab File ID: 010F0101.D		Analyzed: 08/01/12 21:09		
1,3-Dibromopropane	1.841	74.6	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.841	79.4	30 - 130	5.646	5.643	0.0030	+/-0.030	
GW0665 (1207138-01) ug/L				Lab File ID: 011F0101.D		Analyzed: 08/01/12 21:30		
1,3-Dibromopropane	1.871	68.2	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.871	73.1	30 - 130	5.65	5.643	0.0070	+/-0.030	
GW0692 (1207138-05) ug/L				Lab File ID: 013F0101.D		Analyzed: 08/01/12 22:13		
1,3-Dibromopropane	1.863	71.4	30 - 130	5.726	5.733	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.863	76.1	30 - 130	5.643	5.643	0.0000	+/-0.030	
Calibration Check (2H21613-CCV2) ug/L				Lab File ID: 018F0101.D		Analyzed: 08/02/12 00:01		
1,3-Dibromopropane	2.000	69.1	80 - 120	5.716	5.733	-0.0170	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	71.5	80 - 120	5.633	5.643	-0.0100	+/-0.030	*
GW0740 (1207138-11) ug/L				Lab File ID: 019F0101.D		Analyzed: 08/02/12 00:22		
1,3-Dibromopropane	1.885	79.6	30 - 130	5.723	5.733	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.885	83.4	30 - 130	5.64	5.643	-0.0030	+/-0.030	
GW0741 (1207138-13) ug/L				Lab File ID: 020F0101.D		Analyzed: 08/02/12 00:44		
1,3-Dibromopropane	1.871	77.9	30 - 130	5.723	5.733	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.871	81.1	30 - 130	5.64	5.643	-0.0030	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21613	Instrument:	GL-ECD2
		Calibration:	2208004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0674 (1207152-01) ug/L				Lab File ID: 021F0101.D		Analyzed: 08/02/12 01:06		
1,3-Dibromopropane	1.848	74.6	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.848	76.4	30 - 130	5.646	5.643	0.0030	+/-0.030	
GW0675 (1207152-03) ug/L				Lab File ID: 022F0101.D		Analyzed: 08/02/12 01:27		
1,3-Dibromopropane	1.815	70.2	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.815	73.4	30 - 130	5.646	5.643	0.0030	+/-0.030	
GW0676 (1207152-05) ug/L				Lab File ID: 023F0101.D		Analyzed: 08/02/12 01:49		
1,3-Dibromopropane	1.833	85.6	30 - 130	5.726	5.733	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.833	91.7	30 - 130	5.643	5.643	0.0000	+/-0.030	
GW0681 (1207152-07) ug/L				Lab File ID: 024F0101.D		Analyzed: 08/02/12 02:11		
1,3-Dibromopropane	1.868	110	30 - 130	5.726	5.733	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.868	115	30 - 130	5.643	5.643	0.0000	+/-0.030	
GW0682 (1207152-09) ug/L				Lab File ID: 025F0101.D		Analyzed: 08/02/12 02:32		
1,3-Dibromopropane	1.838	104	30 - 130	5.723	5.733	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.838	112	30 - 130	5.64	5.643	-0.0030	+/-0.030	
GW0683 (1207152-11) ug/L				Lab File ID: 026F0101.D		Analyzed: 08/02/12 02:54		
1,3-Dibromopropane	1.860	99.9	30 - 130	5.726	5.733	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.860	103	30 - 130	5.643	5.643	0.0000	+/-0.030	
GW0690 (1207152-13) ug/L				Lab File ID: 027F0101.D		Analyzed: 08/02/12 03:16		
1,3-Dibromopropane	1.863	84.3	30 - 130	5.726	5.733	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.863	87.1	30 - 130	5.643	5.643	0.0000	+/-0.030	
GW0691 (1207152-15) ug/L				Lab File ID: 028F0101.D		Analyzed: 08/02/12 03:37		
1,3-Dibromopropane	1.840	66.2	30 - 130	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.840	68.5	30 - 130	5.646	5.643	0.0030	+/-0.030	
Calibration Check (2H21613-CCV3) ug/L				Lab File ID: 029F0101.D		Analyzed: 08/02/12 03:59		
1,3-Dibromopropane	2.000	82.8	80 - 120	5.73	5.733	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	85.5	80 - 120	5.65	5.643	0.0070	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21614	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H21614-CCV1) ug/L				Lab File ID: 009F0101.D		Analyzed: 08/02/12 17:41		
1,3-Dibromopropane	2.000	108	80 - 120	5.723	5.723	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	99.8	80 - 120	5.636	5.636	0.0000	+/-0.030	
GW0718 (1207130-11RE1) ug/L				Lab File ID: 012F0101.D		Analyzed: 08/02/12 18:47		
1,3-Dibromopropane	1.839	64.2	30 - 130	5.726	5.723	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.839	54.2	30 - 130	5.64	5.636	0.0040	+/-0.030	
GW0684 (1207138-03RE1) ug/L				Lab File ID: 013F0101.D		Analyzed: 08/02/12 19:09		
1,3-Dibromopropane	1.841	123	30 - 130	5.726	5.723	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.841	127	30 - 130	5.64	5.636	0.0040	+/-0.030	
GW0693 (1207138-07RE1) ug/L				Lab File ID: 014F0101.D		Analyzed: 08/02/12 19:31		
1,3-Dibromopropane	1.831		30 - 130		5.723	-5.7230	+/-0.030	*
1,3-Dibromopropane [2C]	1.831		30 - 130		5.636	-5.6360	+/-0.030	*
Matrix Spike (2H01013-MS2) ug/L				Lab File ID: 015F0101.D		Analyzed: 08/02/12 19:53		
1,3-Dibromopropane	1.332		30 - 130		5.723	-5.7230	+/-0.030	*
1,3-Dibromopropane [2C]	1.332		30 - 130		5.636	-5.6360	+/-0.030	*
Matrix Spike Dup (2H01013-MSD2) ug/L				Lab File ID: 016R0101.D		Analyzed: 08/02/12 20:14		
1,3-Dibromopropane	1.321		30 - 130		5.723	-5.7230	+/-0.030	*
1,3-Dibromopropane [2C]	1.321		30 - 130		5.636	-5.6360	+/-0.030	*
GW0703 (1207138-09RE1) ug/L				Lab File ID: 017F0101.D		Analyzed: 08/02/12 20:36		
1,3-Dibromopropane	1.853	100	30 - 130	5.726	5.723	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.853	87.6	30 - 130	5.64	5.636	0.0040	+/-0.030	
Calibration Check (2H21614-CCV2) ug/L				Lab File ID: 018F0101.D		Analyzed: 08/02/12 20:57		
1,3-Dibromopropane	2.000	108	80 - 120	5.73	5.723	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	2.000	98.6	80 - 120	5.643	5.636	0.0070	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22113	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22113-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 08/03/12 15:15		
1,3-Dibromopropane	2.000	115	80 - 120	5.73	5.73	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	104	80 - 120	5.643	5.643	0.0000	+/-0.030	
Blank (2H03011-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 08/03/12 15:36		
1,3-Dibromopropane	2.000	113	30 - 130	5.73	5.73	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	103	30 - 130	5.643	5.643	0.0000	+/-0.030	
LCS (2H03011-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 08/03/12 15:58		
1,3-Dibromopropane	2.000	113	30 - 130	5.73	5.73	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	101	30 - 130	5.643	5.643	0.0000	+/-0.030	
LCS Dup (2H03011-BSD1) ug/L				Lab File ID: 005F0101.D		Analyzed: 08/03/12 16:19		
1,3-Dibromopropane	2.000	112	30 - 130	5.73	5.73	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	101	30 - 130	5.643	5.643	0.0000	+/-0.030	
GW0700 (1207152-17) ug/L				Lab File ID: 006F0101.D		Analyzed: 08/03/12 16:41		
1,3-Dibromopropane	1.846	109	30 - 130	5.73	5.73	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.846	95.5	30 - 130	5.643	5.643	0.0000	+/-0.030	
Calibration Check (2H22113-CCV2) ug/L				Lab File ID: 016F0101.D		Analyzed: 08/03/12 20:13		
1,3-Dibromopropane	2.000	112	80 - 120	5.733	5.73	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	98.8	80 - 120	5.646	5.643	0.0030	+/-0.030	

HOLDING TIME SUMMARY
SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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
GW0664	07/24/12 12:38	07/25/12 08:20	07/26/12 10:49	N/A	14.00	07/27/12 18:16	3.19	14.00	
GW0666	07/24/12 10:22	07/25/12 08:20	07/26/12 10:49	N/A	14.00	07/27/12 18:38	3.30	14.00	
GW0671	07/23/12 14:38	07/25/12 08:20	07/26/12 10:49	N/A	14.00	07/27/12 18:59	4.14	14.00	
GW0673	07/23/12 10:14	07/25/12 08:20	07/26/12 10:49	N/A	14.00	07/27/12 20:03	4.37	14.00	
GW0717	07/23/12 15:52	07/25/12 08:20	08/01/12 11:54	N/A	14.00	08/01/12 20:05	9.13	14.00	
GW0718	07/23/12 13:42	07/25/12 08:20	08/01/12 11:54	N/A	14.00	08/02/12 18:47	10.17	14.00	
GW0719	07/23/12 11:32	07/25/12 08:20	08/01/12 11:54	N/A	14.00	08/01/12 20:48	9.34	14.00	
GW0742	07/24/12 10:32	07/25/12 08:20	08/01/12 11:54	N/A	14.00	08/01/12 21:09	8.40	14.00	
GW0665	07/24/12 14:35	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/01/12 21:30	8.25	14.00	
GW0684	07/25/12 10:18	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/02/12 19:09	8.33	14.00	
GW0692	07/25/12 10:01	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/01/12 22:13	7.47	14.00	
GW0693	07/25/12 12:07	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/02/12 19:31	8.27	14.00	
GW0703	07/25/12 13:15	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/02/12 20:36	8.26	14.00	
GW0740	07/24/12 14:19	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/02/12 00:22	8.38	14.00	
GW0741	07/24/12 16:34	07/26/12 08:20	08/01/12 11:54	N/A	14.00	08/02/12 00:44	8.30	14.00	
GW0674	07/26/12 14:41	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 01:06	6.39	14.00	
GW0675	07/26/12 12:18	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 01:27	6.51	14.00	
GW0676	07/26/12 10:14	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 01:49	6.61	14.00	
GW0681	07/26/12 14:42	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 02:11	6.44	14.00	
GW0682	07/26/12 12:39	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 02:32	6.54	14.00	
GW0683	07/25/12 10:29	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 02:54	7.64	14.00	
GW0690	07/25/12 15:27	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 03:16	7.45	14.00	
GW0691	07/25/12 15:27	07/27/12 08:30	08/01/12 11:54	N/A	14.00	08/02/12 03:37	7.47	14.00	
GW0700	07/25/12 15:39	07/27/12 08:30	08/03/12 11:51	N/A	14.00	08/03/12 16:41	9.00	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26010-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	07/27/12 10:56
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G26010	Sequence:	2H21408	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4810	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	1.806	90.3	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26010-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	07/27/12 10:56
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G26010	Sequence:	2H21408	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5081	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	2.000	1.788	89.4	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_058
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2G26010-MS2	File ID:	027F0101.D
Sampled:		Prepared:		Analyzed:	07/27/12 19:21
Solids:		Preparation:	EDB	Dilution:	

Batch: 2G26010 Sequence: 2H21408 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3190	0.00917	0.0183	0.0275	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.833	1.330	72.5	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26010-MS2	File ID:	027R0101.D
Sampled:		Prepared:		Analyzed:	07/27/12 19:21
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G26010	Sequence:	2H21408	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4022	0.00917	0.0183	0.0275	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.833	1.308	71.4	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26010-MSD2	File ID:	028F0101.D
Sampled:		Prepared:		Analyzed:	07/27/12 19:42
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G26010	Sequence:	2H21408	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3757	0.00934	0.0187	0.0280	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.868	1.529	81.9	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G26010-MSD2	File ID:	028R0101.D
Sampled:		Prepared:		Analyzed:	07/27/12 19:42
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G26010	Sequence:	2H21408	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4730	0.00934	0.0187	0.0280	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.868	1.498	80.2	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-BS1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	08/01/12 19:23
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21613	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3493	0.0100	0.0200	0.0300	Y

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	1.540	77.0	30 - 130	Y

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-BS1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	08/01/12 19:23
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21613	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5196	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	2.000	1.695	84.8	30 - 130	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-MS2	File ID:	015F0101.D
Sampled:		Prepared:		Analyzed:	08/02/12 19:53
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21614	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	57.97	0.466	0.933	1.40	Q

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.332	ND		30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-MS2	File ID:	015R0101.D
Sampled:		Prepared:		Analyzed:	08/02/12 19:53
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21614	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	59.58	0.466	0.933	1.40	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.332	ND		30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-MSD2	File ID:	016F0101.D
Sampled:		Prepared:		Analyzed:	08/02/12 20:14
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21614	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	64.58	0.462	0.925	1.39	Q

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.321	ND		30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H01013-MSD2	File ID:	016R0101.D
Sampled:		Prepared:		Analyzed:	08/02/12 20:14
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H01013	Sequence:	2H21614	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	65.74	0.462	0.925	1.39	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.321	ND		30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H03011-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	08/03/12 15:58
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H03011	Sequence:	2H22113	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5989	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.261	113	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H03011-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/03/12 15:58
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H03011	Sequence:	2H22113	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5892	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	2.000	2.030	101	30 - 130	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H03011-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	08/03/12 16:19
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H03011	Sequence:	2H22113	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5985	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.245	112	30 - 130	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H03011-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	08/03/12 16:19
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H03011	Sequence:	2H22113	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5850	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	2.000	2.022	101	30 - 130	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G26010-BS1 Date(s) Analyzed: 07/27/2012 07/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.4810	
	2	2.28	2.25	2.31	0.5081	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G26010-MS2

Date(s) Analyzed: 07/27/2012 07/27/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.3190	
	2	2.29	2.25	2.31	0.4022	23

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G26010-MSD2

Date(s) Analyzed: 07/27/2012 07/27/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.3757	
	2	2.29	2.25	2.31	0.4730	23

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0718

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207130-11RE1

Date(s) Analyzed: 08/02/2012 08/02/2012

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	0.394	
	2	2.28	2.24	2.30	0.364	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0684

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207138-03RE1

Date(s) Analyzed: 08/02/2012 08/02/2012

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	2.52	
	2	2.28	2.24	2.30	2.48	2

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0693

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207138-07RE1

Date(s) Analyzed: 08/02/2012 08/02/2012

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	40.2	
	2	2.28	2.24	2.30	37.8	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0703

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207138-09RE1

Date(s) Analyzed: 08/02/2012 08/02/2012

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	0.558	
	2	2.28	2.24	2.30	0.586	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H01013-BS1

Date(s) Analyzed: 08/01/2012 08/01/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.39	2.45	0.3493	
	2	2.28	2.25	2.31	0.5196	39

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H01013-MS2

Date(s) Analyzed: 08/02/2012 08/02/2012

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	57.97	
	2	2.28	2.24	2.30	59.58	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H01013-MSD2

Date(s) Analyzed: 08/02/2012 08/02/2012

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	64.58	
	2	2.28	2.24	2.30	65.74	2

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0700

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207152-17

Date(s) Analyzed: 08/03/2012 08/03/2012

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	0.213	
	2	2.28	2.24	2.30	0.210	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H03011-BS1

Date(s) Analyzed: 08/03/2012 08/03/2012

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	0.5989	
	2	2.28	2.24	2.30	0.5892	2

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H03011-BSD1 Date(s) Analyzed: 08/03/2012 08/03/2012

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	0.5985	
	2	2.28	2.24	2.30	0.5850	2

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01
Sampled:	07/24/12 12:38	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38200	1000	2000	5000	1		SW6010B	2G27006	07/30/12 16:48
7439-92-1	Lead	1.96	1.50	3.00	3.00	1	J	SW6010B	2G27006	07/30/12 16:48
7439-95-4	Magnesium	5170	1000	3000	5000	1		SW6010B	2G27006	07/30/12 16:48
7440-09-7	Potassium	2220	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 16:48
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2G27006	07/30/12 16:48

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-02
Sampled:	07/24/12 12:38	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:16
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 17:16

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03
Sampled:	07/24/12 10:22	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34200	1000	2000	5000	1		SW6010B	2G27006	07/30/12 16:53
7439-92-1	Lead	1.60	1.50	3.00	3.00	1	J	SW6010B	2G27006	07/30/12 16:53
7439-95-4	Magnesium	4550	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 16:53
7440-09-7	Potassium	2150	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 16:53
7440-23-5	Sodium	22700	1000	3000	5000	1		SW6010B	2G27006	07/30/12 16:53

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-04
Sampled:	07/24/12 10:22	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:21
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 17:21

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05
Sampled:	07/23/12 14:38	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37100	1000	2000	5000	1		SW6010B	2G27006	07/30/12 16:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27006	07/30/12 16:57
7439-95-4	Magnesium	5490	1000	3000	5000	1		SW6010B	2G27006	07/30/12 16:57
7440-09-7	Potassium	2150	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 16:57
7440-23-5	Sodium	21600	1000	3000	5000	1		SW6010B	2G27006	07/30/12 16:57

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-06
Sampled:	07/23/12 14:38	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:25
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 17:25

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07
Sampled:	07/23/12 10:14	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	30900	1000	2000	5000	1		SW6010B	2G27006	07/30/12 17:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27006	07/30/12 17:20
7439-95-4	Magnesium	4440	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:20
7440-09-7	Potassium	1920	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:20
7440-23-5	Sodium	20100	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:20

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-08
Sampled:	07/24/12 10:14	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:44
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 17:44

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09
Sampled:	07/23/12 15:52	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	87300	1000	2000	5000	1		SW6010B	2G27006	07/30/12 17:24
7439-92-1	Lead	1.85	1.50	3.00	3.00	1	J	SW6010B	2G27006	07/30/12 17:24
7439-95-4	Magnesium	12100	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:24
7440-09-7	Potassium	3420	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:24
7440-23-5	Sodium	31900	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:24

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-10
Sampled:	07/23/12 15:52	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:48
7439-96-5	Manganese (dissolved)	404	3.00	6.00	15.0	1		SW6010B	2H01015	08/01/12 17:48

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11
Sampled:	07/23/12 13:42	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51000	1000	2000	5000	1		SW6010B	2G27006	07/30/12 17:29
7439-92-1	Lead	1.97	1.50	3.00	3.00	1	J	SW6010B	2G27006	07/30/12 17:29
7439-95-4	Magnesium	6880	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:29
7440-09-7	Potassium	2720	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:29
7440-23-5	Sodium	25100	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:29

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-12
Sampled:	07/23/12 13:42	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:53
7439-96-5	Manganese (dissolved)	122	3.00	6.00	15.0	1		SW6010B	2H01015	08/01/12 17:53

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13
Sampled:	07/23/12 11:32	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	32400	1000	2000	5000	1		SW6010B	2G27006	07/30/12 17:33
7439-92-1	Lead	1.55	1.50	3.00	3.00	1	J	SW6010B	2G27006	07/30/12 17:33
7439-95-4	Magnesium	4430	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:33
7440-09-7	Potassium	2050	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:33
7440-23-5	Sodium	20700	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:33

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-14
Sampled:	07/23/12 11:32	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 17:57
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 17:57

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15
Sampled:	07/24/12 10:32	Received:	07/25/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	32300	1000	2000	5000	1		SW6010B	2G27006	07/30/12 17:38
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27006	07/30/12 17:38
7439-95-4	Magnesium	4270	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:38
7440-09-7	Potassium	2030	1000	3000	5000	1	J	SW6010B	2G27006	07/30/12 17:38
7440-23-5	Sodium	23800	1000	3000	5000	1		SW6010B	2G27006	07/30/12 17:38

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-16
Sampled:	07/23/12 10:32	Received:	07/25/12 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	Y U	SW6010B	2H01015	08/01/12 18:02
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:02

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01
Sampled:	07/24/12 14:35	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35000	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:09
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	07/30/12 19:09
7439-95-4	Magnesium	4550	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:09
7440-09-7	Potassium	2120	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:09
7440-23-5	Sodium	23300	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:09

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-02
Sampled:	07/24/12 14:35	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	Y U	SW6010B	2H01015	08/01/12 18:06
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:06

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03
Sampled:	07/25/12 10:18	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38400	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	07/30/12 19:14
7439-95-4	Magnesium	5220	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:14
7440-09-7	Potassium	2160	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:14
7440-23-5	Sodium	23600	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:14

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-04
Sampled:	07/25/12 10:18	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	Y U	SW6010B	2H01015	08/01/12 18:10
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:10

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05
Sampled:	07/25/12 10:01	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44200	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:18
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	08/01/12 16:48
7439-95-4	Magnesium	6040	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:18
7440-09-7	Potassium	2300	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:18
7440-23-5	Sodium	25100	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:18

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-06
Sampled:	07/25/12 10:01	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	Y U	SW6010B	2H01015	08/01/12 18:28
7439-96-5	Manganese (dissolved)	3.85	3.00	6.00	15.0	1	J	SW6010B	2H01015	08/01/12 18:28

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07
Sampled:	07/25/12 12:07	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	79400	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	07/30/12 19:23
7439-95-4	Magnesium	11500	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:23
7440-09-7	Potassium	2930	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:23
7440-23-5	Sodium	33200	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:23

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-08
Sampled:	07/25/12 12:07	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	1130	30.0	60.0	100	1	X	SW6010B	2H01016	08/01/12 19:36
7439-96-5	Manganese (dissolved)	1580	3.00	6.00	15.0	1	E	SW6010B	2H01016	08/01/12 19:36

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09
Sampled:	07/25/12 13:15	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	52600	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	07/30/12 19:46
7439-95-4	Magnesium	6950	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:46
7440-09-7	Potassium	2650	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:46
7440-23-5	Sodium	26100	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:46

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-10
Sampled:	07/25/12 13:15	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	Y U	SW6010B	2H01015	08/01/12 18:32
7439-96-5	Manganese (dissolved)	57.0	3.00	6.00	15.0	1		SW6010B	2H01015	08/01/12 18:32

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11
Sampled:	07/24/12 14:19	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33600	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:50
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	07/30/12 19:50
7439-95-4	Magnesium	4370	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:50
7440-09-7	Potassium	2050	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:50
7440-23-5	Sodium	25000	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:50

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-12
Sampled:	07/24/12 14:19	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	Y U	SW6010B	2H01015	08/01/12 18:37
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:37

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13
Sampled:	07/24/12 16:34	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33000	1000	2000	5000	1		SW6010B	2G27007	07/30/12 19:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G27007	07/30/12 19:55
7439-95-4	Magnesium	4320	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:55
7440-09-7	Potassium	1990	1000	3000	5000	1	J	SW6010B	2G27007	07/30/12 19:55
7440-23-5	Sodium	24500	1000	3000	5000	1		SW6010B	2G27007	07/30/12 19:55

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-14
Sampled:	07/24/12 16:34	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	Y U	SW6010B	2H01015	08/01/12 18:41
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:41

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01
Sampled:	07/26/12 14:41	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50900	1000	2000	5000	1		SW6010B	2G31004	08/01/12 15:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 15:40
7439-95-4	Magnesium	7390	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 15:40
7440-09-7	Potassium	2330	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 15:40
7440-23-5	Sodium	28800	1000	3000	5000	1		SW6010B	2G31004	08/01/12 15:40

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-02
Sampled:	07/26/12 14:41	Received:	07/27/12 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	Y U	SW6010B	2H01015	08/01/12 18:46
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:46

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03
Sampled:	07/26/12 12:18	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41100	1000	2000	5000	1		SW6010B	2G31004	08/01/12 15:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 15:44
7439-95-4	Magnesium	5570	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 15:44
7440-09-7	Potassium	2150	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 15:44
7440-23-5	Sodium	24500	1000	3000	5000	1		SW6010B	2G31004	08/01/12 15:44

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-04
Sampled:	07/26/12 12:18	Received:	07/27/12 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	Y U	SW6010B	2H01015	08/01/12 18:50
7439-96-5	Manganese (dissolved)	74.9	3.00	6.00	15.0	1		SW6010B	2H01015	08/01/12 18:50

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05
Sampled:	07/26/12 10:14	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35800	1000	2000	5000	1		SW6010B	2G31004	08/01/12 15:49
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 15:49
7439-95-4	Magnesium	5110	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 15:49
7440-09-7	Potassium	1880	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 15:49
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	2G31004	08/01/12 15:49

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-06
Sampled:	07/26/12 10:14	Received:	07/27/12 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	Y U	SW6010B	2H01015	08/01/12 18:54
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:54

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07
Sampled:	07/26/12 14:42	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	57200	1000	2000	5000	1		SW6010B	2G31004	08/01/12 15:53
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2G31004	08/01/12 15:53
7439-95-4	Magnesium	8120	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 15:53
7440-09-7	Potassium	2780	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 15:53
7440-23-5	Sodium	27100	1000	3000	5000	1		SW6010B	2G31004	08/01/12 15:53

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-08
Sampled:	07/26/12 14:42	Received:	07/27/12 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	Y U	SW6010B	2H01015	08/01/12 18:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 18:59

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09
Sampled:	07/26/12 12:39	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	53700	1000	2000	5000	1		SW6010B	2G31004	08/01/12 15:58
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2G31004	08/01/12 15:58
7439-95-4	Magnesium	7640	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 15:58
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 15:58
7440-23-5	Sodium	26900	1000	3000	5000	1		SW6010B	2G31004	08/01/12 15:58

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-10
Sampled:	07/26/12 12:39	Received:	07/27/12 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	Y U	SW6010B	2H01015	08/01/12 19:03
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 19:03

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11
Sampled:	07/25/12 10:29	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50600	1000	2000	5000	1		SW6010B	2G31004	08/01/12 16:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 16:30
7439-95-4	Magnesium	6960	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 16:30
7440-09-7	Potassium	2600	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 16:30
7440-23-5	Sodium	25700	1000	3000	5000	1		SW6010B	2G31004	08/01/12 16:30

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-12
Sampled:	07/25/12 10:29	Received:	07/27/12 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	Y U	SW6010B	2H01015	08/01/12 19:08
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H01015	08/01/12 19:08

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13
Sampled:	07/25/12 15:27	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35800	1000	2000	5000	1		SW6010B	2G31004	08/01/12 16:35
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 16:35
7439-95-4	Magnesium	4940	1000	3000	5000	1	X J	SW6010B	2G31004	08/01/12 16:35
7440-09-7	Potassium	1920	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 16:35
7440-23-5	Sodium	23000	1000	3000	5000	1		SW6010B	2G31004	08/01/12 16:35

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-14
Sampled:	07/25/12 15:27	Received:	07/27/12 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	2H01016	08/01/12 19:55
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	E U	SW6010B	2H01016	08/01/12 19:55

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15
Sampled:	07/25/12 15:27	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35300	1000	2000	5000	1		SW6010B	2G31004	08/01/12 16:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 16:39
7439-95-4	Magnesium	4860	1000	3000	5000	1	X J	SW6010B	2G31004	08/01/12 16:39
7440-09-7	Potassium	1930	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 16:39
7440-23-5	Sodium	22800	1000	3000	5000	1		SW6010B	2G31004	08/01/12 16:39

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-16
Sampled:	07/25/12 15:27	Received:	07/27/12 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	2H01016	08/01/12 19:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	E U	SW6010B	2H01016	08/01/12 19:59

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17
Sampled:	07/25/12 15:39	Received:	07/27/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	62900	1000	2000	5000	1		SW6010B	2G31004	08/01/12 16:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G31004	08/01/12 16:44
7439-95-4	Magnesium	8490	1000	3000	5000	1	X	SW6010B	2G31004	08/01/12 16:44
7440-09-7	Potassium	2940	1000	3000	5000	1	J	SW6010B	2G31004	08/01/12 16:44
7440-23-5	Sodium	29300	1000	3000	5000	1		SW6010B	2G31004	08/01/12 16:44

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-18
Sampled:	07/25/12 15:39	Received:	07/27/12 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	2H01016	08/01/12 20:04
7439-96-5	Manganese (dissolved)	214	3.00	6.00	15.0	1	E	SW6010B	2H01016	08/01/12 20:04

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_058
Project: Kirtland AFB 2011
Calibration: 2214004
Sequence: 2H21405

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H21405-ICV1	Calcium	50000	51230	102	ug/L	+/- 10.00%
	Lead	1000	974.6	97.5	ug/L	+/- 10.00%
	Magnesium	50000	49870	99.7	ug/L	+/- 10.00%
	Potassium	10000	10180	102	ug/L	+/- 10.00%
	Sodium	50000	51700	103	ug/L	+/- 10.00%
2H21405-CCV1	Calcium	50000	50280	101	ug/L	+/- 10.00%
	Lead	1000	972.2	97.2	ug/L	+/- 10.00%
	Magnesium	50000	49140	98.3	ug/L	+/- 10.00%
	Potassium	10000	10220	102	ug/L	+/- 10.00%
	Sodium	50000	50500	101	ug/L	+/- 10.00%
2H21405-CCV4	Calcium	50000	48260	96.5	ug/L	+/- 10.00%
	Lead	1000	953.8	95.4	ug/L	+/- 10.00%
	Magnesium	50000	48020	96.0	ug/L	+/- 10.00%
	Potassium	10000	9622	96.2	ug/L	+/- 10.00%
	Sodium	50000	48480	97.0	ug/L	+/- 10.00%
2H21405-CCV5	Calcium	50000	48700	97.4	ug/L	+/- 10.00%
	Lead	1000	954.4	95.4	ug/L	+/- 10.00%
	Magnesium	50000	47980	96.0	ug/L	+/- 10.00%
	Potassium	10000	9854	98.5	ug/L	+/- 10.00%
	Sodium	50000	48940	97.9	ug/L	+/- 10.00%
2H21405-CCV6	Calcium	50000	48900	97.8	ug/L	+/- 10.00%
	Lead	1000	966.2	96.6	ug/L	+/- 10.00%
	Magnesium	50000	47900	95.8	ug/L	+/- 10.00%
	Potassium	10000	9895	98.9	ug/L	+/- 10.00%
	Sodium	50000	49300	98.6	ug/L	+/- 10.00%
2H21405-CCV7	Calcium	50000	48260	96.5	ug/L	+/- 10.00%
	Lead	1000	956.7	95.7	ug/L	+/- 10.00%
	Magnesium	50000	47000	94.0	ug/L	+/- 10.00%
	Potassium	10000	9683	96.8	ug/L	+/- 10.00%
	Sodium	50000	48940	97.9	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_058
Project: Kirtland AFB 2011
Calibration: 2215002
Sequence: 2H21510

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H21510-ICV1	Calcium	50000	52030	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10510	105	ug/L	+/- 10.00%
	Lead	1000	975.5	97.6	ug/L	+/- 10.00%
	Magnesium	50000	51040	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1024	102	ug/L	+/- 10.00%
	Potassium	10000	9963	99.6	ug/L	+/- 10.00%
	Sodium	50000	52150	104	ug/L	+/- 10.00%
2H21510-CCV1	Calcium	50000	52400	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10520	105	ug/L	+/- 10.00%
	Lead	1000	956.5	95.7	ug/L	+/- 10.00%
	Magnesium	50000	51660	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1026	103	ug/L	+/- 10.00%
	Potassium	10000	10040	100	ug/L	+/- 10.00%
	Sodium	50000	52720	105	ug/L	+/- 10.00%
2H21510-CCV3	Calcium	50000	53880	108	ug/L	+/- 10.00%
	Lead	1000	955.6	95.6	ug/L	+/- 10.00%
	Magnesium	50000	53940	108	ug/L	+/- 10.00%
	Potassium	10000	10130	101	ug/L	+/- 10.00%
	Sodium	50000	53800	108	ug/L	+/- 10.00%
2H21510-CCV4	Calcium	50000	55080	110	ug/L	+/- 10.00%
	Lead	1000	957.2	95.7	ug/L	+/- 10.00%
	Magnesium	**50000**	**55880**	**112**	**ug/L**	+/- 10.00%
	Potassium	10000	10200	102	ug/L	+/- 10.00%
	Sodium	50000	54850	110	ug/L	+/- 10.00%
2H21510-CCV5	Calcium	50000	50230	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10180	102	ug/L	+/- 10.00%
	Lead	1000	962.6	96.3	ug/L	+/- 10.00%
	Magnesium	50000	48850	97.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1002	100	ug/L	+/- 10.00%
	Potassium	10000	9706	97.1	ug/L	+/- 10.00%
	Sodium	50000	50600	101	ug/L	+/- 10.00%
2H21510-CCV6	**Iron (dissolved)**	**10000**	**8754**	**87.5**	**ug/L**	+/- 10.00%
	Manganese (dissolved)	1000	934.4	93.4	ug/L	+/- 10.00%
2H21510-CCV7	Iron (dissolved)	10000	9564	95.6	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	973.6	97.4	ug/L	+/- 10.00%
2H21510-CCV8	**Iron (dissolved)**	**10000**	**11680**	**117**	**ug/L**	+/- 10.00%
	Manganese (dissolved)	1000	1062	106	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2214004

Sequence: 2H21405

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H21405-CRL1	Calcium	2000	2094	105	ug/L	80 - 120
	Lead	3.000	3.524	117	ug/L	80 - 120
	Magnesium	3000	3135	104	ug/L	80 - 120
	Potassium	3000	3133	104	ug/L	80 - 120
	Sodium	3000	3094	103	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2215002

Sequence: 2H21510

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H21510-CRL1	Calcium	2000	2137	107	ug/L	80 - 120
	Iron (dissolved)	60.00	63.02	105	ug/L	80 - 120
	Lead	3.000	2.445	81.5	ug/L	80 - 120
	Magnesium	3000	3178	106	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.404	107	ug/L	80 - 120
	Potassium	3000	2931	97.7	ug/L	80 - 120
	Sodium	3000	3146	105	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H21405
Calibration: 2214004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21405-ICB1	Calcium	-1.800	1000	5000	ug/L	U	SW6010B
	Lead	0.4039	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.640	1000	5000	ug/L	U	SW6010B
	Potassium	-9.600	1000	5000	ug/L	U	SW6010B
	Sodium	7.300	1000	5000	ug/L	U	SW6010B
2H21405-CCB1	Calcium	22.6	1000	5000	ug/L	U	SW6010B
	Lead	1.03	1.50	3.00	ug/L	U	SW6010B
	Magnesium	27.1	1000	5000	ug/L	U	SW6010B
	Potassium	3.49	1000	5000	ug/L	U	SW6010B
	Sodium	13.5	1000	5000	ug/L	U	SW6010B
2H21405-CCB4	Calcium	-2.75	1000	5000	ug/L	U	SW6010B
	Lead	0.907	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.94	1000	5000	ug/L	U	SW6010B
	Potassium	32.5	1000	5000	ug/L	U	SW6010B
	Sodium	36.6	1000	5000	ug/L	U	SW6010B
2G27006-BLK1	Calcium	15.4	1000	5000	ug/L	U	SW6010B
	Magnesium	3.18	1000	5000	ug/L	U	SW6010B
	Potassium	36.9	1000	5000	ug/L	U	SW6010B
	Sodium	34.3	1000	5000	ug/L	U	SW6010B
2H21405-CCB5	Calcium	-6.01	1000	5000	ug/L	U	SW6010B
	Lead	0.653	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.210	1000	5000	ug/L	U	SW6010B
	Potassium	28.9	1000	5000	ug/L	U	SW6010B
	Sodium	14.4	1000	5000	ug/L	U	SW6010B
2H21405-CCB6	Calcium	-4.50	1000	5000	ug/L	U	SW6010B
	Lead	0.999	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-6.15	1000	5000	ug/L	U	SW6010B
	Potassium	24.8	1000	5000	ug/L	U	SW6010B
	Sodium	0.860	1000	5000	ug/L	U	SW6010B
2G27007-BLK1	Calcium	3.85	1000	5000	ug/L	U	SW6010B
	Magnesium	-0.560	1000	5000	ug/L	U	SW6010B
	Potassium	42.8	1000	5000	ug/L	U	SW6010B
	Sodium	14.5	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H21405
Calibration: 2214004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21405-CCB7	Calcium	-1.13	1000	5000	ug/L	U	SW6010B
	Lead	1.61	1.50	3.00	ug/L	J	SW6010B
	Magnesium	-3.15	1000	5000	ug/L	U	SW6010B
	Potassium	2.60	1000	5000	ug/L	U	SW6010B
	Sodium	12.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H21510
Calibration: 2215002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21510-ICB1	Calcium	-0.2600	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.114	30.0	100	ug/L	U	SW6010B
	Lead	-0.2688	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.6100	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.001440	3.00	15.0	ug/L	U	SW6010B
	Potassium	-5.470	1000	5000	ug/L	U	SW6010B
	Sodium	7.440	1000	5000	ug/L	U	SW6010B
2H21510-CCB1	Calcium	-1.19	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.121	30.0	100	ug/L	U	SW6010B
	Lead	-0.296	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.68	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0689	3.00	15.0	ug/L	U	SW6010B
	Potassium	-12.0	1000	5000	ug/L	U	SW6010B
	Sodium	11.8	1000	5000	ug/L	U	SW6010B
2H21510-CCB3	Calcium	8.04	1000	5000	ug/L	U	SW6010B
	Lead	-0.0975	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.15	1000	5000	ug/L	U	SW6010B
	Potassium	21.6	1000	5000	ug/L	U	SW6010B
	Sodium	41.6	1000	5000	ug/L	U	SW6010B
2G31004-BLK1	Calcium	10.2	1000	5000	ug/L	U	SW6010B
	Lead	-1.08	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.59	1000	5000	ug/L	U	SW6010B
	Potassium	21.8	1000	5000	ug/L	U	SW6010B
	Sodium	32.8	1000	5000	ug/L	U	SW6010B
2H21510-CCB4	Calcium	1.04	1000	5000	ug/L	U	SW6010B
	Lead	-0.368	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.54	1000	5000	ug/L	U	SW6010B
	Potassium	15.8	1000	5000	ug/L	U	SW6010B
	Sodium	15.0	1000	5000	ug/L	U	SW6010B
2G27006-BLK2	Lead	1.47	1.50	3.00	ug/L	U	SW6010B
2G27007-BLK2	Lead	1.57	1.50	3.00	ug/L	J	SW6010B
2H21510-CCB5	Calcium	13.8	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.21	30.0	100	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H21510
Calibration: 2215002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21510-CCB5	Lead	-1.17	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.59	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.340	3.00	15.0	ug/L	U	SW6010B
	Potassium	-7.78	1000	5000	ug/L	U	SW6010B
	Sodium	29.3	1000	5000	ug/L	U	SW6010B
2H01015-BLK1	Iron (dissolved)	-4.35	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0803	3.00	15.0	ug/L	U	SW6010B
2H21510-CCB6	Iron (dissolved)	-0.113	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.177	3.00	15.0	ug/L	U	SW6010B
2H21510-CCB7	Iron (dissolved)	-1.15	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0985	3.00	15.0	ug/L	U	SW6010B
2H01016-BLK1	Iron (dissolved)	1.17	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0165	3.00	15.0	ug/L	U	SW6010B
2H21510-CCB8	Iron (dissolved)	2.41	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.419	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2214004
Sequence: 2H21405

Lab Sample ID	Analyte	True	Found	%R	Units
2H21405-IFA1	Calcium	500000	485,690.00	97.1	ug/L
	Lead		-0.78		ug/L
	Magnesium	500000	482,080.00	96.4	ug/L
	Potassium		-16.22		ug/L
	Sodium		53.26		ug/L
2H21405-IFB1	Calcium	500000	483,830.00	96.8	ug/L
	Lead	50.00	45.22	90.4	ug/L
	Magnesium	500000	479,360.00	95.9	ug/L
	Potassium		-40.78		ug/L
	Sodium		87.70		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2215002
Sequence: 2H21510

Lab Sample ID	Analyte	True	Found	%R	Units
2H21510-IFA1	Calcium	500000	512,720.00	103	ug/L
	Iron (dissolved)	200000	212,260.00	106	ug/L
	Lead		0.10		ug/L
	Magnesium	500000	514,430.00	103	ug/L
	Manganese (dissolved)		-4.73		ug/L
	Potassium		-83.18		ug/L
	Sodium		57.90		ug/L
2H21510-IFB1	Calcium	500000	505,470.00	101	ug/L
	Iron (dissolved)	200000	210,390.00	105	ug/L
	Lead	50.00	49.29	98.6	ug/L
	Magnesium	500000	508,990.00	102	ug/L
	Manganese (dissolved)	500.0	491.51	98.3	ug/L
	Potassium		-88.40		ug/L
	Sodium		101.43		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27006

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	37080	43200	122	4x	80 - 120
Lead	250.0	ND	254.8	102		80 - 120
Magnesium	5000	5488	10570	102		80 - 120
Potassium	5000	2148	7163	100		80 - 120
Sodium	5000	21570	27080	110		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	42840	115	0.832		20	80 - 120
Lead	250.0	250.4	100	1.74		20	80 - 120
Magnesium	5000	10510	100	0.541		20	80 - 120
Potassium	5000	7117	99.4	0.648		20	80 - 120
Sodium	5000	26920	107	0.600		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27007

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	79400	86520	142	4x	80 - 120
Lead	250.0	ND	255.1	102		80 - 120
Magnesium	5000	11480	16620	103		80 - 120
Potassium	5000	2928	8067	103		80 - 120
Sodium	5000	33190	38890	114		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	84730	107	2.08		20	80 - 120
Lead	250.0	252.9	101	0.870		20	80 - 120
Magnesium	5000	16250	95.3	2.28		20	80 - 120
Potassium	5000	7860	98.6	2.61		20	80 - 120
Sodium	5000	38150	99.1	1.92		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H01015

% Solids:

Source Sample Name: **1207130-06**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1155	116		80 - 120
Manganese (dissolved)	500.0	ND	541.1	108		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1149	115	0.503		20	80 - 120
Manganese (dissolved)	500.0	538.8	108	0.413		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H01016

% Solids:

Source Sample Name: **1207138-08**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	1133	2211	108		80 - 120
Manganese (dissolved)	500.0	1583	2102	104		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	2273	114	2.77		20	80 - 120
Manganese (dissolved)	500.0	2123	108	0.989		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0671

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2G27006-PS1
Batch: 2G27006
Lab Source ID: 1207130-05
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	42440	37080	5000	107	80 - 120
Lead	249.2	ND	250.0	99.1	80 - 120
Magnesium	10600	5488	5000	102	80 - 120
Potassium	7316	2148	5000	103	80 - 120
Sodium	26640	21570	5000	101	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0693

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2G27007-PS1
Batch: 2G27007
Lab Source ID: 1207138-07
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	84900	79400	5000	110	80 - 120
Lead	248.6	ND	250.0	98.9	80 - 120
Magnesium	16230	11480	5000	95.0	80 - 120
Potassium	7848	2928	5000	98.4	80 - 120
Sodium	38390	33190	5000	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27006	Laboratory ID:	2G27006-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	5057	101	80 - 120
Lead	250.0	251.4	101	80 - 120
Magnesium	5000	4931	98.6	80 - 120
Potassium	5000	4883	97.7	80 - 120
Sodium	5000	4978	99.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27007	Laboratory ID:	2G27007-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	4844	96.9	80 - 120
Lead	250.0	242.8	97.1	80 - 120
Magnesium	5000	4686	93.7	80 - 120
Potassium	5000	4631	92.6	80 - 120
Sodium	5000	4806	96.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31004	Laboratory ID:	2G31004-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	5488	110	80 - 120
Lead	250.0	246.4	98.5	80 - 120
Magnesium	5000	5460	109	80 - 120
Potassium	5000	4909	98.2	80 - 120
Sodium	5000	5376	108	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01015	Laboratory ID:	2H01015-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	1121	112	80 - 120
Manganese (dissolved)	500.0	523.1	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H01016	Laboratory ID:	2H01016-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	1024	102	80 - 120
Manganese (dissolved)	500.0	505.2	101	80 - 120

SERIAL DILUTION

SW6010B

GW0671

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2H21405
Preparation: MET_3005A

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2G27006-DUP1
Lab Source ID: 1207130-05
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	37085	37979	2.41		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	5488.1	5719	4.21		SW6010B	10.00
Potassium	2148.1	ND			SW6010B	10.00
Sodium	21571	22099	2.45		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0693

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2H21405
Preparation: MET_3005A

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2G27007-DUP1
Lab Source ID: 1207138-07
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	79404	82140	3.45		SW6010B	10.00
Lead	ND	8.365	530		SW6010B	10.00
Magnesium	11483	12016	4.64		SW6010B	10.00
Potassium	2927.9	ND			SW6010B	10.00
Sodium	33194	34228	3.11		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0671

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2H21510
Preparation: MET_3005A

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2H01015-DUP1
Lab Source ID: 1207130-06
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0693

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2H21510
Preparation: MET_3005A

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2H01016-DUP1
Lab Source ID: 1207138-08
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)	1133.4	1345.1	18.7		SW6010B	10.00
Manganese (dissolved)	1582.6	1856.1	17.3	E	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_058

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

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
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	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	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	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	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_058

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

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
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
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
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	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	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_058

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

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
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
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
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	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	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_058

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

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
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	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	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
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	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_058

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

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
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	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
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
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	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	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_058

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
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				
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				
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				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	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_058

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 12/30/2011

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	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
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	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
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G27006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/27/12 09:19	50.00	50.00
GW0666	1207130-03	07/27/12 09:19	50.00	50.00
GW0671	1207130-05	07/27/12 09:19	50.00	50.00
GW0673	1207130-07	07/27/12 09:19	50.00	50.00
GW0717	1207130-09	07/27/12 09:19	50.00	50.00
GW0718	1207130-11	07/27/12 09:19	50.00	50.00
GW0719	1207130-13	07/27/12 09:19	50.00	50.00
GW0742	1207130-15	07/27/12 09:19	50.00	50.00
Blank	2G27006-BLK1	07/27/12 09:19	50.00	50.00
Blank	2G27006-BLK2	07/27/12 09:19	50.00	50.00
LCS	2G27006-BS1	07/27/12 09:19	50.00	50.00
GW0671	2G27006-DUP1	07/27/12 09:19	50.00	50.00
GW0671	2G27006-MS1	07/27/12 09:19	50.00	50.00
GW0671	2G27006-MSD1	07/27/12 09:19	50.00	50.00
GW0671	2G27006-PS1	07/27/12 09:19	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G27007 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0665	1207138-01	07/27/12 09:26	50.00	50.00
GW0684	1207138-03	07/27/12 09:26	50.00	50.00
GW0692	1207138-05	07/27/12 09:26	50.00	50.00
GW0692	1207138-05RE1	07/27/12 09:26	50.00	50.00
GW0693	1207138-07	07/27/12 09:26	50.00	50.00
GW0703	1207138-09	07/27/12 09:26	50.00	50.00
GW0740	1207138-11	07/27/12 09:26	50.00	50.00
GW0741	1207138-13	07/27/12 09:26	50.00	50.00
Blank	2G27007-BLK1	07/27/12 09:26	50.00	50.00
Blank	2G27007-BLK2	07/27/12 09:26	50.00	50.00
LCS	2G27007-BS1	07/27/12 09:26	50.00	50.00
GW0693	2G27007-DUP1	07/27/12 09:26	50.00	50.00
GW0693	2G27007-MS1	07/27/12 09:26	50.00	50.00
GW0693	2G27007-MSD1	07/27/12 09:26	50.00	50.00
GW0693	2G27007-PS1	07/27/12 09:26	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G31004 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	07/31/12 07:51	50.00	50.00
GW0675	1207152-03	07/31/12 07:51	50.00	50.00
GW0676	1207152-05	07/31/12 07:51	50.00	50.00
GW0681	1207152-07	07/31/12 07:51	50.00	50.00
GW0682	1207152-09	07/31/12 07:51	50.00	50.00
GW0683	1207152-11	07/31/12 07:51	50.00	50.00
GW0690	1207152-13	07/31/12 07:51	50.00	50.00
GW0691	1207152-15	07/31/12 07:51	50.00	50.00
GW0700	1207152-17	07/31/12 07:51	50.00	50.00
Blank	2G31004-BLK1	07/31/12 07:51	50.00	50.00
LCS	2G31004-BS1	07/31/12 07:51	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H01015 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-02	08/01/12 11:58	50.00	50.00
GW0666	1207130-04	08/01/12 11:58	50.00	50.00
GW0671	1207130-06	08/01/12 11:58	50.00	50.00
GW0673	1207130-08	08/01/12 11:58	50.00	50.00
GW0717	1207130-10	08/01/12 11:58	50.00	50.00
GW0718	1207130-12	08/01/12 11:58	50.00	50.00
GW0719	1207130-14	08/01/12 11:58	50.00	50.00
GW0742	1207130-16	08/01/12 11:58	50.00	50.00
GW0665	1207138-02	08/01/12 11:58	50.00	50.00
GW0684	1207138-04	08/01/12 11:58	50.00	50.00
GW0692	1207138-06	08/01/12 11:58	50.00	50.00
GW0703	1207138-10	08/01/12 11:58	50.00	50.00
GW0740	1207138-12	08/01/12 11:58	50.00	50.00
GW0741	1207138-14	08/01/12 11:58	50.00	50.00
GW0674	1207152-02	08/01/12 11:58	50.00	50.00
GW0675	1207152-04	08/01/12 11:58	50.00	50.00
GW0676	1207152-06	08/01/12 11:58	50.00	50.00
GW0681	1207152-08	08/01/12 11:58	50.00	50.00
GW0682	1207152-10	08/01/12 11:58	50.00	50.00
GW0683	1207152-12	08/01/12 11:58	50.00	50.00
Blank	2H01015-BLK1	08/01/12 11:58	50.00	50.00
LCS	2H01015-BS1	08/01/12 11:58	50.00	50.00
GW0671	2H01015-DUP1	08/01/12 11:58	50.00	50.00
GW0671	2H01015-MS1	08/01/12 11:58	50.00	50.00
GW0671	2H01015-MSD1	08/01/12 11:58	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H01016 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0693	1207138-08	08/01/12 12:01	50.00	50.00
GW0690	1207152-14	08/01/12 12:01	50.00	50.00
GW0691	1207152-16	08/01/12 12:01	50.00	50.00
GW0700	1207152-18	08/01/12 12:01	50.00	50.00
Blank	2H01016-BLK1	08/01/12 12:01	50.00	50.00
LCS	2H01016-BS1	08/01/12 12:01	50.00	50.00
GW0693	2H01016-DUP1	08/01/12 12:01	50.00	50.00
GW0693	2H01016-MS1	08/01/12 12:01	50.00	50.00
GW0693	2H01016-MSD1	08/01/12 12:01	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21405	Instrument:	ME-ICP
Calibration:	2214004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21405-CAL1	073012A-001	07/30/12 11:10
Cal Standard	2H21405-CAL2	073012A-002	07/30/12 11:14
Cal Standard	2H21405-CAL5	073012A-005	07/30/12 11:27
Cal Standard	2H21405-CAL6	073012A-006	07/30/12 11:31
Cal Standard	2H21405-CAL7	073012A-007	07/30/12 11:37
Cal Standard	2H21405-CAL8	073012A-008	07/30/12 11:41
Cal Standard	2H21405-CAL3	073012A-009	07/30/12 11:47
Initial Cal Check	2H21405-ICV1	073012B-001	07/30/12 12:18
Initial Cal Blank	2H21405-ICB1	073012B-002	07/30/12 12:26
Instrument RL Check	2H21405-CRL1	073012B-003	07/30/12 12:30
Interference Check A	2H21405-IFA1	073012B-008	07/30/12 12:55
Interference Check B	2H21405-IFB1	073012B-009	07/30/12 13:00
Calibration Check	2H21405-CCV1	073012B-011	07/30/12 13:12
Calibration Blank	2H21405-CCB1	073012B-012	07/30/12 13:19
Calibration Check	2H21405-CCV4	073012C-009	07/30/12 16:26
Calibration Blank	2H21405-CCB4	073012C-010	07/30/12 16:33
Blank	2G27006-BLK1	073012C-011	07/30/12 16:38
LCS	2G27006-BS1	073012C-012	07/30/12 16:42
GW0664	1207130-01	073012C-013	07/30/12 16:48
GW0666	1207130-03	073012C-014	07/30/12 16:53
GW0671	1207130-05	073012C-015	07/30/12 16:57
GW0671	2G27006-MS1	073012C-016	07/30/12 17:02
GW0671	2G27006-MSD1	073012C-017	07/30/12 17:06
GW0671	2G27006-PS1	073012C-018	07/30/12 17:10
GW0671	2G27006-DUP1	073012C-019	07/30/12 17:16
GW0673	1207130-07	073012C-020	07/30/12 17:20
GW0717	1207130-09	073012C-021	07/30/12 17:24
GW0718	1207130-11	073012C-022	07/30/12 17:29
GW0719	1207130-13	073012C-023	07/30/12 17:33
GW0742	1207130-15	073012C-024	07/30/12 17:38
Calibration Check	2H21405-CCV5	073012C-025	07/30/12 17:43
Calibration Blank	2H21405-CCB5	073012C-026	07/30/12 17:51

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21405	Instrument:	ME-ICP
Calibration:	2214004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21405-CCV6	073012C-035	07/30/12 18:33
Calibration Blank	2H21405-CCB6	073012C-036	07/30/12 18:41
Blank	2G27007-BLK1	073012C-037	07/30/12 18:45
LCS	2G27007-BS1	073012C-038	07/30/12 18:49
GW0665	1207138-01	073012C-042	07/30/12 19:09
GW0684	1207138-03	073012C-043	07/30/12 19:14
GW0692	1207138-05	073012C-044	07/30/12 19:18
GW0693	1207138-07	073012C-045	07/30/12 19:23
GW0693	2G27007-MS1	073012C-046	07/30/12 19:27
GW0693	2G27007-MSD1	073012C-047	07/30/12 19:32
GW0693	2G27007-PS1	073012C-048	07/30/12 19:36
GW0693	2G27007-DUP1	073012C-049	07/30/12 19:41
GW0703	1207138-09	073012C-050	07/30/12 19:46
GW0740	1207138-11	073012C-051	07/30/12 19:50
GW0741	1207138-13	073012C-052	07/30/12 19:55
Calibration Check	2H21405-CCV7	073012C-053	07/30/12 20:00
Calibration Blank	2H21405-CCB7	073012C-054	07/30/12 20:08

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21510	Instrument:	ME-ICP
Calibration:	2215002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21510-CAL1	080112A-001	08/01/12 10:02
Cal Standard	2H21510-CAL1	080112A-001	08/01/12 10:02
Cal Standard	2H21510-CAL3	080112A-003	08/01/12 10:10
Cal Standard	2H21510-CAL3	080112A-003	08/01/12 10:10
Cal Standard	2H21510-CAL4	080112A-004	08/01/12 10:15
Cal Standard	2H21510-CAL5	080112A-005	08/01/12 10:20
Cal Standard	2H21510-CAL5	080112A-005	08/01/12 10:20
Cal Standard	2H21510-CAL7	080112A-007	08/01/12 10:30
Cal Standard	2H21510-CAL8	080112A-008	08/01/12 10:34
Cal Standard	2H21510-CAL2	080112A-009	08/01/12 10:42
Cal Standard	2H21510-CAL2	080112A-009	08/01/12 10:42
Cal Standard	2H21510-CAL6	080112A-010	08/01/12 10:47
Cal Standard	2H21510-CAL6	080112A-010	08/01/12 10:47
Initial Cal Check	2H21510-ICV1	080112B-001	08/01/12 11:20
Initial Cal Check	2H21510-ICV1	080112B-001	08/01/12 11:20
Initial Cal Blank	2H21510-ICB1	080112B-002	08/01/12 11:29
Initial Cal Blank	2H21510-ICB1	080112B-002	08/01/12 11:29
Instrument RL Check	2H21510-CRL1	080112B-004	08/01/12 11:41
Instrument RL Check	2H21510-CRL1	080112B-004	08/01/12 11:41
Interference Check A	2H21510-IFA1	080112B-006	08/01/12 11:51
Interference Check A	2H21510-IFA1	080112B-006	08/01/12 11:51
Interference Check B	2H21510-IFB1	080112B-007	08/01/12 11:56
Interference Check B	2H21510-IFB1	080112B-007	08/01/12 11:56
Calibration Check	2H21510-CCV1	080112B-009	08/01/12 12:07
Calibration Check	2H21510-CCV1	080112B-009	08/01/12 12:07
Calibration Blank	2H21510-CCB1	080112B-010	08/01/12 12:15
Calibration Blank	2H21510-CCB1	080112B-010	08/01/12 12:15
Calibration Check	2H21510-CCV3	080112C-015	08/01/12 14:36
Calibration Blank	2H21510-CCB3	080112C-016	08/01/12 14:44
Blank	2G31004-BLK1	080112C-017	08/01/12 14:48
LCS	2G31004-BS1	080112C-018	08/01/12 14:53
GW0674	1207152-01	080112C-028	08/01/12 15:40

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21510	Instrument:	ME-ICP
Calibration:	2215002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0675	1207152-03	080112C-029	08/01/12 15:44
GW0676	1207152-05	080112C-030	08/01/12 15:49
GW0681	1207152-07	080112C-031	08/01/12 15:53
GW0682	1207152-09	080112C-032	08/01/12 15:58
Calibration Check	2H21510-CCV4	080112C-033	08/01/12 16:03
Calibration Blank	2H21510-CCB4	080112C-034	08/01/12 16:10
Blank	2G27006-BLK2	080112C-035	08/01/12 16:15
Blank	2G27007-BLK2	080112C-036	08/01/12 16:19
GW0683	1207152-11	080112C-038	08/01/12 16:30
GW0690	1207152-13	080112C-039	08/01/12 16:35
GW0691	1207152-15	080112C-040	08/01/12 16:39
GW0700	1207152-17	080112C-041	08/01/12 16:44
GW0692	1207138-05RE1	080112C-042	08/01/12 16:48
Calibration Check	2H21510-CCV5	080112C-043	08/01/12 16:54
Calibration Check	2H21510-CCV5	080112C-043	08/01/12 16:54
Calibration Blank	2H21510-CCB5	080112C-044	08/01/12 17:01
Calibration Blank	2H21510-CCB5	080112C-044	08/01/12 17:01
Blank	2H01015-BLK1	080112C-045	08/01/12 17:05
LCS	2H01015-BS1	080112C-046	08/01/12 17:10
GW0664	1207130-02	080112C-047	08/01/12 17:16
GW0666	1207130-04	080112C-048	08/01/12 17:21
GW0671	1207130-06	080112C-049	08/01/12 17:25
GW0671	2H01015-MS1	080112C-050	08/01/12 17:30
GW0671	2H01015-MSD1	080112C-051	08/01/12 17:34
GW0671	2H01015-DUP1	080112C-052	08/01/12 17:39
GW0673	1207130-08	080112C-053	08/01/12 17:44
GW0717	1207130-10	080112C-054	08/01/12 17:48
GW0718	1207130-12	080112C-055	08/01/12 17:53
GW0719	1207130-14	080112C-056	08/01/12 17:57
GW0742	1207130-16	080112C-057	08/01/12 18:02
GW0665	1207138-02	080112C-058	08/01/12 18:06
GW0684	1207138-04	080112C-059	08/01/12 18:10

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21510	Instrument:	ME-ICP
Calibration:	2215002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21510-CCV6	080112C-060	08/01/12 18:16
Calibration Blank	2H21510-CCB6	080112C-061	08/01/12 18:23
GW0692	1207138-06	080112C-062	08/01/12 18:28
GW0703	1207138-10	080112C-063	08/01/12 18:32
GW0740	1207138-12	080112C-064	08/01/12 18:37
GW0741	1207138-14	080112C-065	08/01/12 18:41
GW0674	1207152-02	080112C-066	08/01/12 18:46
GW0675	1207152-04	080112C-067	08/01/12 18:50
GW0676	1207152-06	080112C-068	08/01/12 18:54
GW0681	1207152-08	080112C-069	08/01/12 18:59
GW0682	1207152-10	080112C-070	08/01/12 19:03
GW0683	1207152-12	080112C-071	08/01/12 19:08
Calibration Check	2H21510-CCV7	080112C-072	08/01/12 19:13
Calibration Blank	2H21510-CCB7	080112C-073	08/01/12 19:21
Blank	2H01016-BLK1	080112C-074	08/01/12 19:25
LCS	2H01016-BS1	080112C-075	08/01/12 19:30
GW0693	1207138-08	080112C-076	08/01/12 19:36
GW0693	2H01016-MS1	080112C-077	08/01/12 19:40
GW0693	2H01016-MSD1	080112C-078	08/01/12 19:45
GW0693	2H01016-DUP1	080112C-079	08/01/12 19:50
GW0690	1207152-14	080112C-080	08/01/12 19:55
GW0691	1207152-16	080112C-081	08/01/12 19:59
GW0700	1207152-18	080112C-082	08/01/12 20:04
Calibration Check	2H21510-CCV8	080112C-088	08/01/12 20:31
Calibration Blank	2H21510-CCB8	080112C-089	08/01/12 20:39

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2214004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/30/12 11:10 7/30/12 11:47

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	2.4248E-05	10000	2.4183E-05			500000	2.3744E-05		
Antimony	0	0	100	0.0004764	1000	0.0004991					10000	5.0298E-04
Arsenic	0	0	100	0.0002696	1000	2.8775E-04					10000	2.8756E-04
Barium	0	0	50	0.0096936	1000	0.0090912	5000	9.571601E-03				
Beryllium	0	0	100	0.002324	1000	0.0023415					10000	0.002246
Boron	0	0	50	0.0000186	1000	1.821E-05					5000	1.777E-05
Cadmium	0	0	100	0.017292	1000	0.017054					10000	0.016592
Calcium	0	0	1100	7.120909E-05	50000	6.8028E-05					10000	
Chromium	0	0	100	0.0000484	1000	4.789E-05					10000	4.7038E-05
Cobalt	0	0	100	0.0048063	1000	0.0046524					10000	0.004788
Copper	0	0	100	0.0000803	1000	7.487E-05					10000	7.4597E-05
Iron	0	0	5100	2.034902E-05	10000	1.9845E-05			500000	1.92796E-05	10000	
Lead	0	0	100	0.0012279	1000	0.0011751					10000	0.0012177
Magnesium	0	0	5100		50000	2.1246E-06			500000	2.1442E-06	10000	
Manganese	0	0	100	0.0003306	1000	3.2103E-04	10000	3.2779E-04			10000	
Molybdenum	0	0	100	0.0032175	1000	0.0032688					10000	0.0032814
Nickel	0	0	100	0.0028473	1000	0.0027491					10000	0.0028342
Potassium	0	0	1000	0.0000131	10000	1.6597E-05						
Selenium	0	0	100	0.0003522	1000	0.000341					10000	3.3246E-04
Silver	0	0	20	0.0000595	500	5.796E-05	2000	6.2175E-05				
Sodium	0	0	1000		50000	6.0796E-05						
Strontium	0	0	100	0.001826	1000	0.001851					10000	0.001767
Thallium	0	0	100	0.0006815	1000	6.6085E-04					10000	0.0006777
Tin	0	0	50	0.001179	1000	0.0011831					5000	1.19966E-03
Titanium	0	0	100	0.0002211	1000	2.2544E-04					10000	2.1846E-04
Vanadium	0	0	100	0.0000461	1000	4.511E-05					10000	4.4726E-05
Zinc	0	0	100	0.0067189	1000	0.00666					10000	0.0066629

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2214004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/30/12 11:10 7/30/12 11:47

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	6.7826E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.1392E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.6271E-05										
Selenium												
Silver												
Sodium	100000	5.9475E-05	500000	5.9676E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_058	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2214004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	7/30/12 11:10	7/30/12 11:47

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.804375E-05	66.67821	14.20254	195.4581	0.9999999		0.998	
Antimony	3.6962E-04	66.74207	5.579445	177.6634	0.9999999		0.998	
Arsenic	2.112275E-04	66.78834	1.294825	135.3109	0.9999996		0.998	
Barium	0.0070891	66.7675	2.581208	165.6275	0.999888		0.998	
Beryllium	1.727875E-03	66.70995	63.29128	198.4364	0.999983		0.998	
Boron	1.3645E-05	66.71296	1.980518	144.8095	0.9999794		0.998	
Cadmium	0.0127345	66.70572	4.014925	183.1923	0.9999932		0.998	
Calcium	5.176577E-05	66.73382	1.814712	155.0259	0.9999999		0.998	
Chromium	3.5832E-05	66.68511	4.084612	179.8744	0.9999969		0.998	
Cobalt	3.561675E-03	66.69452	3.062158	176.3908	0.9999916		0.998	
Copper	5.744175E-05	66.82328	1.224892	117.0984	0.9999999		0.998	
Iron	1.48684E-05	66.73139	418.0372	199.8487	0.9999997		0.998	
Lead	9.05175E-04	66.71452	60.9813	198.5408	0.9999873		0.998	
Magnesium	1.602E-06	66.66869	24.00348	195.7875	0.9999993		0.998	
Manganese	2.44855E-04	66.68684	3.783645	176.1298	0.9999955		0.998	
Molybdenum	2.441925E-03	66.67627	12.36567	194.5305	0.9999999		0.998	
Nickel	2.10765E-03	66.69865	16.09305	195.394	0.9999908		0.998	
Potassium	1.1492E-05	68.06484	2.92888	126.9203	0.9999856		0.998	
Selenium	2.56415E-04	66.74116	4.2233	158.3967	0.9999958		0.998	
Silver	4.490875E-05	66.77935	15.32355	185.6457	0.9996802		0.998	
Sodium	4.498675E-05	66.67918	2.751475	158.4223	0.9999946		0.998	
Strontium	0.001361	66.71686	8.35345	186.9113	0.9999783		0.998	
Thallium	5.050125E-04	66.69034	7.163068	185.931	0.999994		0.998	
Tin	8.9044E-04	66.67421	67.21787	198.4912	0.9999922		0.998	
Titanium	1.6625E-04	66.68913	18.4114	193.2084	0.99999		0.998	
Vanadium	3.3984E-05	66.68842	3.214777	161	0.9999996		0.998	
Zinc	5.01045E-03	66.66886	8.606285	192.4896	1		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2215002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/1/12_10:02 8/1/12_10:47

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	2.753E-05	10000	2.6918E-05			500000	2.6974E-05		
Antimony	0	0	100	0.0004655	1000	4.9793E-04					10000	4.8937E-04
Arsenic	0	0	100	0.0002926	1000	3.0705E-04					10000	3.0514E-04
Barium	0	0	50	0.0102564	1000	0.0095411	5000	0.0098142				
Beryllium	0	0	100	0.002874	1000	0.0028042					10000	0.0027261
Boron	0	0	50	0.0000236	1000	2.228E-05					5000	2.1968E-05
Cadmium	0	0	100	0.018718	1000	0.018247					10000	0.017619
Calcium	0	0	1100	8.057272E-05	50000	7.4674E-05					10000	
Chromium	0	0	100	0.0000616	1000	5.889E-05					10000	5.8181E-05
Cobalt	0	0	100	0.0052168	1000	0.0050079					10000	0.0050841
Copper	0	0	100	9.840001E-05	1000	9.098E-05					10000	9.107E-05
Iron	0	0	5100	2.409216E-05	10000	2.2315E-05			500000	2.1606E-05	10000	
Lead	0	0	100	0.00133	1000	0.0012651					10000	0.0012951
Magnesium	0	0	5100		50000	2.309E-06			500000	2.3206E-06	10000	
Manganese	0	0	100	0.0004093	1000	3.9148E-04	10000	3.8274E-04			10000	
Molybdenum	0	0	100	0.003464	1000	0.0034659					10000	0.003458
Nickel	0	0	100	0.0027687	1000	0.0026861					10000	0.0026831
Potassium	0	0	1000	1.561E-05	10000	1.6607E-05						
Selenium	0	0	100	0.0003876	1000	0.0003777					10000	0.0003667
Silver	0	0	20	0.000068	500	6.084E-05	2000	6.396E-05				
Sodium	0	0	1000		50000	6.694E-05						
Strontium	0	0	100	0.002204	1000	0.002129					10000	0.002091
Thallium	0	0	100	0.0007	1000	6.9216E-04					10000	7.0259E-04
Tin	0	0	50	0.0012804	1000	0.0012729					5000	1.28266E-03
Titanium	0	0	100	0.0002591	1000	2.5304E-04					10000	2.5224E-04
Vanadium	0	0	100	0.0000611	1000	5.841E-05					10000	5.7566E-05
Zinc	0	0	100	0.0072322	1000	0.0070806					10000	0.0070435
Aluminum	0	0	5000	2.753E-05	10000	2.6918E-05			500000	2.6974E-05		
Antimony	0	0	100	0.0004655	1000	4.9793E-04					10000	4.8937E-04
Arsenic	0	0	100	0.0002926	1000	3.0705E-04					10000	3.0514E-04
Barium	0	0	50	0.0102564	1000	0.0095411	5000	0.0098142				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2215002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/1/12_10:02 8/1/12_10:47

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
Beryllium	0	0	100	0.002874	1000	0.0028042					10000	0.0027261
Boron	0	0	50	0.0000236	1000	2.228E-05					5000	2.1968E-05
Cadmium	0	0	100	0.018718	1000	0.018247					10000	0.017619
Calcium	0	0	1100	8.057272E-05	50000	7.4674E-05					10000	
Chromium	0	0	100	0.0000616	1000	5.889E-05					10000	5.8181E-05
Cobalt	0	0	100	0.0052168	1000	0.0050079					10000	0.0050841
Copper	0	0	100	9.840001E-05	1000	9.098E-05					10000	9.107E-05
Iron	0	0	5100	2.409216E-05	10000	2.2315E-05			500000	2.1606E-05	10000	
Lead	0	0	100	0.00133	1000	0.0012651					10000	0.0012951
Magnesium	0	0	5100		50000	2.309E-06			500000	2.3206E-06	10000	
Manganese	0	0	100	0.0004093	1000	3.9148E-04	10000	3.8274E-04			10000	
Molybdenum	0	0	100	0.003464	1000	0.0034659					10000	0.003458
Nickel	0	0	100	0.0027687	1000	0.0026861					10000	0.0026831
Potassium	0	0	1000	1.561E-05	10000	1.6607E-05						
Selenium	0	0	100	0.0003876	1000	0.0003777					10000	0.0003667
Silver	0	0	20	0.000068	500	6.084E-05	2000	6.396E-05				
Sodium	0	0	1000		50000	6.694E-05						
Strontium	0	0	100	0.002204	1000	0.002129					10000	0.002091
Thallium	0	0	100	0.0007	1000	6.9216E-04					10000	7.0259E-04
Tin	0	0	50	0.0012804	1000	0.0012729					5000	1.28266E-03
Titanium	0	0	100	0.0002591	1000	2.5304E-04					10000	2.5224E-04
Vanadium	0	0	100	0.0000611	1000	5.841E-05					10000	5.7566E-05
Zinc	0	0	100	0.0072322	1000	0.0070806					10000	0.0070435

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2215002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/1/12 10:02 8/1/12 10:47

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	7.3684E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3223E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.717E-05										
Selenium												
Silver												
Sodium	100000	6.6366E-05	500000	6.488201E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2215002	Instrument:	ME-ICP	
Matrix:	Water	Calibration Dates:	8/1/12 10:02	8/1/12 10:47

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
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	7.3684E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3223E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.717E-05										
Selenium												
Silver												
Sodium	100000	6.6366E-05	500000	6.488201E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2215002	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	8/1/12 10:02	8/1/12 10:47	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.03555E-05	66.68048	14.0208	194.68	0.9999999		0.998	
Antimony	0.0003632	66.77364	2.024883	138.8732	0.9999951		0.998	
Arsenic	2.261975E-04	66.72685	2.271337	147.6464	0.999999		0.998	
Barium	7.402925E-03	66.78544	1.5287	159.7797	0.9999632		0.998	
Beryllium	2.101075E-03	66.72864	15.25686	192.3274	0.9999929		0.998	
Boron	1.6962E-05	66.79697	3.242698	152.7662	0.9999941		0.998	
Cadmium	0.013646	66.74824	10.77323	192.0328	0.9999889		0.998	
Calcium	5.723268E-05	66.87808	2.788805	169.4432	0.9999984		0.998	
Chromium	4.466775E-05	66.74821	191.7621	199.0515	0.9999988		0.998	
Cobalt	0.0038272	66.70481	2.664705	175.7051	0.9999972		0.998	
Copper	7.01125E-05	66.85084	1.465387	88.29884	0.9999993		0.998	
Iron	1.700329E-05	66.94974	102.5295	198.5387	0.9999991		0.998	
Lead	9.7255E-04	66.72241	9.194898	186.7618	0.9999937		0.998	
Magnesium	1.737975E-06	66.66753	30.30807	197.4214	0.9999996		0.998	
Manganese	2.9588E-04	66.77123	13.21121	189.5358	0.9999958		0.998	
Molybdenum	2.596975E-03	66.66679	5.067732	185.2109	0.9999999		0.998	
Nickel	2.034475E-03	66.69517	39.28774	197.8945	0.9999999		0.998	
Potassium	1.234675E-05	66.87105	13.5276	192.4322	0.9999934		0.998	
Selenium	0.000283	66.73487	3.560847	162.4308	0.9999935		0.998	
Silver	0.0000482	66.94344	5.71432	161.1816	0.9998175		0.998	
Sodium	4.9547E-05	66.68963	5.191632	183.584	0.999979		0.998	
Strontium	0.001606	66.73073	1.62935	157.334	0.9999972		0.998	
Thallium	5.236875E-04	66.67204	8.091278	188.5501	0.9999981		0.998	
Tin	9.5899E-04	66.66808	8.313815	187.0566	0.9999977		0.998	
Titanium	1.91095E-04	66.68593	11.49095	193.4024	0.9999999		0.998	
Vanadium	4.4269E-05	66.75352	1.38249	96.34528	0.9999988		0.998	
Zinc	5.339075E-03	66.68419	2909.993	199.9777	0.9999998		0.998	
Aluminum	2.03555E-05	66.68048	14.0208	194.68	0.9999999		0.998	
Antimony	0.0003632	66.77364	2.024883	138.8732	0.9999951		0.998	
Arsenic	2.261975E-04	66.72685	2.271337	147.6464	0.999999		0.998	
Barium	7.402925E-03	66.78544	1.5287	159.7797	0.9999632		0.998	
Beryllium	2.101075E-03	66.72864	15.25686	192.3274	0.9999929		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2215002	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	8/1/12 10:02	8/1/12 10:47	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.6962E-05	66.79697	3.242698	152.7662	0.9999941		0.998	
Cadmium	0.013646	66.74824	10.77323	192.0328	0.9999889		0.998	
Calcium	5.723268E-05	66.87808	2.788805	169.4432	0.9999984		0.998	
Chromium	4.466775E-05	66.74821	191.7621	199.0515	0.9999988		0.998	
Cobalt	0.0038272	66.70481	2.664705	175.7051	0.9999972		0.998	
Copper	7.01125E-05	66.85084	1.465387	88.29884	0.9999993		0.998	
Iron	1.700329E-05	66.94974	102.5295	198.5387	0.9999991		0.998	
Lead	9.7255E-04	66.72241	9.194898	186.7618	0.9999937		0.998	
Magnesium	1.737975E-06	66.66753	30.30807	197.4214	0.9999996		0.998	
Manganese	2.9588E-04	66.77123	13.21121	189.5358	0.9999958		0.998	
Molybdenum	2.596975E-03	66.66679	5.067732	185.2109	0.9999999		0.998	
Nickel	2.034475E-03	66.69517	39.28774	197.8945	0.9999999		0.998	
Potassium	1.234675E-05	66.87105	13.5276	192.4322	0.9999934		0.998	
Selenium	0.000283	66.73487	3.560847	162.4308	0.9999935		0.998	
Silver	0.0000482	66.94344	5.71432	161.1816	0.9998175		0.998	
Sodium	4.9547E-05	66.68963	5.191632	183.584	0.999979		0.998	
Strontium	0.001606	66.73073	1.62935	157.334	0.9999972		0.998	
Thallium	5.236875E-04	66.67204	8.091278	188.5501	0.9999981		0.998	
Tin	9.5899E-04	66.66808	8.313815	187.0566	0.9999977		0.998	
Titanium	1.91095E-04	66.68593	11.49095	193.4024	0.9999999		0.998	
Vanadium	4.4269E-05	66.75352	1.38249	96.34528	0.9999988		0.998	
Zinc	5.339075E-03	66.68419	2909.993	199.9777	0.9999998		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0664

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-01
Sampled:	07/24/12 12:38	Received:	07/25/12 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	2H13001	08/13/12 16:31
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G30003	07/30/12 12:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 11:50
16887-00-6	Chloride	13.6	0.170	0.330	2.50	1	M	E300.0	2G25016	07/26/12 03:57
NA	Nitrate/Nitrite as N	0.281	0.250	0.750	1.50	1	J N	E353.2	2H10015	08/10/12 16:41
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 11:50
14808-79-8	Sulfate as SO4	33.7	0.330	1.00	2.50	1	M	E300.0	2G25016	07/26/12 03:57

ANALYSIS DATA SHEET

GW0666

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-03
Sampled:	07/24/12 10:22	Received:	07/25/12 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	2H13001	08/13/12 16:31
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G30003	07/30/12 12:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 11:58
16887-00-6	Chloride	8.45	0.170	0.330	2.50	1	M	E300.0	2G25016	07/26/12 04:14
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:43
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 11:58
14808-79-8	Sulfate as SO4	30.7	0.330	1.00	2.50	1	M	E300.0	2G25016	07/26/12 04:14

ANALYSIS DATA SHEET

GW0671

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-05
Sampled:	07/23/12 14:38	Received:	07/25/12 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	2H13001	08/13/12 16:32
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G30003	07/30/12 12:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	123	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:10
16887-00-6	Chloride	7.58	0.170	0.330	2.50	1	M	E300.0	2G26017	07/26/12 20:30
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:44
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:10
14808-79-8	Sulfate as SO4	28.5	0.330	1.00	2.50	1	M	E300.0	2G26017	07/26/12 20:30

ANALYSIS DATA SHEET

GW0673

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-07
Sampled:	07/23/12 10:14	Received:	07/25/12 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	2H13001	08/13/12 16:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G30003	07/30/12 12:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 09:46
16887-00-6	Chloride	6.49	0.170	0.330	2.50	1	M	E300.0	2G25016	07/26/12 04:32
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 09:46
14808-79-8	Sulfate as SO4	28.2	0.330	1.00	2.50	1	M	E300.0	2G25016	07/26/12 04:32

ANALYSIS DATA SHEET

GW0717

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-09
Sampled:	07/23/12 15:52	Received:	07/25/12 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	2H13001	08/13/12 16:36
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G30003	07/30/12 12:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 09:54
16887-00-6	Chloride	128	0.170	0.330	2.50	1	M	E300.0	2G25016	07/26/12 04:49
NA	Nitrate/Nitrite as N	1.08	0.250	0.750	1.50	1	J N	E353.2	2H10015	08/10/12 16:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 09:54
14808-79-8	Sulfate as SO4	49.1	0.330	1.00	2.50	1	M	E300.0	2G25016	07/26/12 04:49

ANALYSIS DATA SHEET

GW0718

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-11
Sampled:	07/23/12 13:42	Received:	07/25/12 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	2H13001	08/13/12 16:37
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G30003	07/30/12 12:23
71-52-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 09:59
16887-00-6	Chloride	36.3	0.170	0.330	2.50	1	M	E300.0	2G26017	07/26/12 22:15
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:52
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 09:59
14808-79-8	Sulfate as SO4	39.6	0.330	1.00	2.50	1	M	E300.0	2G26017	07/26/12 22:15

ANALYSIS DATA SHEET

GW0719

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-13
Sampled:	07/23/12 11:32	Received:	07/25/12 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	2H13001	08/13/12 16:38
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G30003	07/30/12 12:24
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 10:10
16887-00-6	Chloride	7.30	0.170	0.330	2.50	1	M	E300.0	2G26017	07/26/12 22:32
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:53
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 10:10
14808-79-8	Sulfate as SO4	28.9	0.330	1.00	2.50	1	M	E300.0	2G26017	07/26/12 22:32

ANALYSIS DATA SHEET

GW0742

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207130-15
Sampled:	07/24/12 10:32	Received:	07/25/12 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	2H13001	08/13/12 16:39
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G30003	07/30/12 12:25
71-52-3	Alkalinity, Bicarbonate (as CACO3)	112	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 10:16
16887-00-6	Chloride	8.15	0.170	0.330	2.50	1	M	E300.0	2G26017	07/26/12 22:50
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:54
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 10:16
14808-79-8	Sulfate as SO4	29.7	0.330	1.00	2.50	1	M	E300.0	2G26017	07/26/12 22:50

ANALYSIS DATA SHEET

GW0665

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-01
Sampled:	07/24/12 14:35	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:40
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2G30003	07/30/12 12:32
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 12:10
16887-00-6	Chloride	9.36	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 17:48
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:56
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 12:10
14808-79-8	Sulfate as SO4	29.4	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 17:48

ANALYSIS DATA SHEET

GW0684

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-03
Sampled:	07/25/12 10:18	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:41
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G31009	07/31/12 11:50
71-52-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:17
16887-00-6	Chloride	12.9	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 21:00
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 16:57
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:17
14808-79-8	Sulfate as SO4	36.1	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 21:00

ANALYSIS DATA SHEET

GW0692

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-05
Sampled:	07/25/12 10:01	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:44
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G31009	07/31/12 11:51
71-52-3	Alkalinity, Bicarbonate (as CACO3)	130	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:28
16887-00-6	Chloride	11.9	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 23:02
NA	Nitrate/Nitrite as N	0.602	0.250	0.750	1.50	1	J N	E353.2	2H10015	08/10/12 17:02
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:28
14808-79-8	Sulfate as SO4	35.7	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 23:02

ANALYSIS DATA SHEET

GW0693

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-07
Sampled:	07/25/12 12:07	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:45
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G31009	07/31/12 11:52
71-52-3	Alkalinity, Bicarbonate (as CACO3)	279	1.00	1.00	1.00	1		SM2320B	2H07014	08/07/12 13:00
16887-00-6	Chloride	13.2	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 21:17
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 17:03
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H07014	08/07/12 13:00
14808-79-8	Sulfate as SO4	5.44	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 21:17

ANALYSIS DATA SHEET

GW0703

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-09
Sampled:	07/25/12 13:15	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:48
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G31009	07/31/12 11:55
71-52-3	Alkalinity, Bicarbonate (as CACO3)	130	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:35
16887-00-6	Chloride	18.9	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 23:19
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 17:08
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:35
14808-79-8	Sulfate as SO4	46.5	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 23:19

ANALYSIS DATA SHEET

GW0740

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-11
Sampled:	07/24/12 14:19	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:49
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G30003	07/30/12 12:33
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 12:15
16887-00-6	Chloride	9.59	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 23:37
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 17:09
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 12:15
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 23:37

ANALYSIS DATA SHEET

GW0741

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207138-13
Sampled:	07/24/12 16:34	Received:	07/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H13001	08/13/12 16:50
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G31009	07/31/12 11:56
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2H02004	08/02/12 12:25
16887-00-6	Chloride	9.43	0.170	0.330	2.50	1	M	E300.0	2G27002	07/27/12 23:54
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2H10015	08/10/12 17:10
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H02004	08/02/12 12:25
14808-79-8	Sulfate as SO4	28.9	0.330	1.00	2.50	1	M	E300.0	2G27002	07/27/12 23:54

ANALYSIS DATA SHEET

GW0674

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-01
Sampled:	07/26/12 14:41	Received:	07/27/12 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	2H14002	08/14/12 15:26
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2G31009	07/31/12 11:57
71-52-3	Alkalinity, Bicarbonate (as CACO3)	151	1.00	1.00	1.00	1		SM2320B	2H07008	08/07/12 10:00
16887-00-6	Chloride	8.56	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 20:02
NA	Nitrate/Nitrite as N	0.298	0.250	0.750	1.50	1	J	E353.2	2H13015	08/13/12 14:39
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H07008	08/07/12 10:00
14808-79-8	Sulfate as SO4	28.0	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 20:02

ANALYSIS DATA SHEET

GW0675

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-03
Sampled:	07/26/12 12:18	Received:	07/27/12 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	2H14002	08/14/12 15:28
18496-25-8	Sulfide	0.890	0.741	1.85	3.70	1	J	SM4500S2CF	2G31009	07/31/12 11:58
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2H07008	08/07/12 10:07
16887-00-6	Chloride	7.82	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 20:19
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H13015	08/13/12 14:40
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H07008	08/07/12 10:07
14808-79-8	Sulfate as SO4	28.4	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 20:19

ANALYSIS DATA SHEET

GW0676

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-05
Sampled:	07/26/12 10:14	Received:	07/27/12 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	2H14002	08/14/12 15:30
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G31009	07/31/12 11:59
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2H07008	08/07/12 10:15
16887-00-6	Chloride	6.88	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 20:37
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H13015	08/13/12 14:41
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H07008	08/07/12 10:15
14808-79-8	Sulfate as SO4	27.9	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 20:37

ANALYSIS DATA SHEET

GW0681

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-07
Sampled:	07/26/12 14:42	Received:	07/27/12 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	2H14002	08/14/12 15:31
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2G31009	07/31/12 12:00
71-52-3	Alkalinity, Bicarbonate (as CACO3)	95.9	1.00	1.00	1.00	1		SM2320B	2H07008	08/07/12 10:20
16887-00-6	Chloride	35.9	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 20:54
NA	Nitrate/Nitrite as N	0.976	0.250	0.750	1.50	1	J	E353.2	2H13015	08/13/12 14:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H07008	08/07/12 10:20
14808-79-8	Sulfate as SO4	58.1	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 20:54

ANALYSIS DATA SHEET

GW0682

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-09
Sampled:	07/26/12 12:39	Received:	07/27/12 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	2H14002	08/14/12 15:32
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G31009	07/31/12 12:01
71-52-3	Alkalinity, Bicarbonate (as CACO3)	95.9	1.00	1.00	1.00	1		SM2320B	2H07008	08/07/12 10:28
16887-00-6	Chloride	28.7	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 21:11
NA	Nitrate/Nitrite as N	0.752	0.250	0.750	1.50	1	J	E353.2	2H13015	08/13/12 14:47
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H07008	08/07/12 10:28
14808-79-8	Sulfate as SO4	52.1	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 21:11

ANALYSIS DATA SHEET

GW0683

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-11
Sampled:	07/25/12 10:29	Received:	07/27/12 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	2H14002	08/14/12 15:33
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G31009	07/31/12 12:02
71-52-3	Alkalinity, Bicarbonate (as CACO3)	99.1	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:40
16887-00-6	Chloride	22.4	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 23:13
NA	Nitrate/Nitrite as N	0.491	0.250	0.750	1.50	1	J	E353.2	2H13015	08/13/12 14:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:40
14808-79-8	Sulfate as SO4	57.9	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 23:13

ANALYSIS DATA SHEET

GW0690

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-13
Sampled:	07/25/12 15:27	Received:	07/27/12 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	2H14002	08/14/12 15:34
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G31009	07/31/12 12:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	100	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:45
16887-00-6	Chloride	7.26	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 23:31
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H13015	08/13/12 14:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:45
14808-79-8	Sulfate as SO4	28.7	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 23:31

ANALYSIS DATA SHEET

GW0691

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-15
Sampled:	07/25/12 15:27	Received:	07/27/12 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	2H14002	08/14/12 15:35
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G31009	07/31/12 12:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 12:55
16887-00-6	Chloride	7.25	0.170	0.330	0.500	1		E300.0	2H09008	08/09/12 23:48
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H13015	08/13/12 14:52
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 12:55
14808-79-8	Sulfate as SO4	28.8	0.330	1.00	2.50	1	M	E300.0	2H09008	08/09/12 23:48

ANALYSIS DATA SHEET

GW0700

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207152-17
Sampled:	07/25/12 15:39	Received:	07/27/12 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	2H14002	08/14/12 15:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G31009	07/31/12 12:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	143	1.00	1.00	1.00	1		SM2320B	2H06017	08/06/12 13:00
16887-00-6	Chloride	26.2	0.170	0.330	0.500	1		E300.0	2H09008	08/10/12 00:06
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H13015	08/13/12 14:53
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H06017	08/06/12 13:00
14808-79-8	Sulfate as SO4	51.4	0.330	1.00	2.50	1	M	E300.0	2H09008	08/10/12 00:06

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_058
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E13609

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13609-ICV1	Chloride	4.800	4.613	96.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.62	98.4	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_058
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H21506

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H21506-CCV1	Chloride	25.00	25.96	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.76	107	mg/L	+/- 10.00%
2H21506-CCV2	Chloride	25.00	25.65	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.34	105	mg/L	+/- 10.00%
2H21506-CCV3	Chloride	25.00	26.31	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.48	106	mg/L	+/- 10.00%
2H21506-CCV4	Chloride	25.00	26.61	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.99	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_058
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H21514

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H21514-CCV1	Chloride	25.00	26.94	108	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.87	107	mg/L	+/- 10.00%
2H21514-CCV2	Chloride	25.00	27.22	109	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.80	107	mg/L	+/- 10.00%
2H21514-CCV3	Chloride	25.00	26.82	107	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.23	105	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_058
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H22104

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22104-CCV1	Chloride	25.00	25.70	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.08	100	mg/L	+/- 10.00%
2H22104-CCV2	Chloride	25.00	25.57	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.84	99.4	mg/L	+/- 10.00%
2H22104-CCV3	Chloride	25.00	25.68	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.54	98.2	mg/L	+/- 10.00%
2H22104-CCV4	Chloride	25.00	25.89	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.14	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_058
Project: Kirtland AFB 2011
Calibration: 2226002
Sequence: 2H22606

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22606-ICV1	Nitrate/Nitrite as N	1.200	1.208	101	mg/L	+/- 10.00%
2H22606-CCV1	Nitrate/Nitrite as N	1.200	1.240	103	mg/L	+/- 10.00%
2H22606-CCV2	Nitrate/Nitrite as N	1.200	1.247	104	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_058
Project: Kirtland AFB 2011
Calibration: 2226005
Sequence: 2H22615

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22615-ICV1	Nitrate/Nitrite as N	1.200	1.257	105	mg/L	+/- 10.00%
2H22615-CCV1	Nitrate/Nitrite as N	1.200	1.255	105	mg/L	+/- 10.00%
2H22615-CCV2	Nitrate/Nitrite as N	1.200	1.255	105	mg/L	+/- 10.00%
2H22615-CCV3	Nitrate/Nitrite as N	1.200	1.252	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_058
Project: Kirtland AFB 2011
Calibration: 2226006
Sequence: 2H22616

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22616-ICV1	Ammonia as N	2.000	2.139	107	mg/L	+/- 10.00%
2H22616-CCV1	Ammonia as N	2.000	2.145	107	mg/L	+/- 10.00%
2H22616-CCV2	Ammonia as N	2.000	2.155	108	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_058
Project: Kirtland AFB 2011
Calibration: 2227006
Sequence: 2H22716

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22716-ICV1	Ammonia as N	2.000	2.045	102	mg/L	+/- 10.00%
2H22716-CCV1	Ammonia as N	2.000	2.088	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_058
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H22802

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22802-CCV1	Chloride	25.00	25.62	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.66	103	mg/L	+/- 10.00%
2H22802-CCV2	Chloride	25.00	25.26	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.26	101	mg/L	+/- 10.00%
2H22802-CCV3	Chloride	25.00	25.30	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.31	101	mg/L	+/- 10.00%
2H22802-CCV4	Chloride	25.00	25.59	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.63	103	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H21506

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H21506-CRL3	Chloride	2.500	2.662	106	mg/L	75 - 125
	Sulfate as SO4	2.500	2.174	87.0	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H21514

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H21514-CRL3	Chloride	2.500	2.722	109	mg/L	75 - 125
	Sulfate as SO4	2.500	2.174	87.0	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H22104

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H22104-CRL3	Chloride	2.500	2.609	104	mg/L	75 - 125
	Sulfate as SO4	2.500	1.910	76.4	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H22802

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H22802-CRL1	Chloride	0.5000	0.5840	117	mg/L	75 - 125
2H22802-CRL3	Sulfate as SO4	2.500	2.100	84.0	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G25016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G25016-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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G26017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G26017-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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G27002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G27002-BLK1	Chloride	0.0210	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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G30003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G30003-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G31009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G31009-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H02004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H02004-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H06017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H06017-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H07008

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H07008-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H07014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H07014-BLK1	Alkalinity, Total (as CACO3)	0.809	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H09008

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H09008-BLK1	Chloride	0.0240	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H10015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H10015-BLK1	Nitrate/Nitrite as N	-0.0152	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H13001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H13001-BLK1	Ammonia as N	-0.0176	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H13015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H13015-BLK1	Nitrate/Nitrite as N	-0.0437	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H14002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H14002-BLK1	Ammonia as N	-0.00494	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13609
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13609-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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H21506
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21506-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
2H21506-CCB2	Chloride	0.0390	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2H21506-CCB3	Chloride	0.0430	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2H21506-CCB4	Chloride	0.0220	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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H21514
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21514-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
2H21514-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
2H21514-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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H22104
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22104-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
2H22104-CCB2	Chloride	0.0280	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2H22104-CCB3	Chloride	0.0270	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2H22104-CCB4	Chloride	0.0430	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_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H22606
Calibration: 2226002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22606-ICB1	Nitrate/Nitrite as N	-0.03312	0.0500	0.300	mg/L	U	E353.2
2H22606-CCB1	Nitrate/Nitrite as N	-0.0225	0.0500	0.300	mg/L	U	E353.2
2H22606-CCB2	Nitrate/Nitrite as N	-0.0228	0.0500	0.300	mg/L	U	E353.2

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H22615
Calibration: 2226005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22615-ICB1	Nitrate/Nitrite as N	-0.02475	0.0500	0.300	mg/L	U	E353.2
2H22615-CCB1	Nitrate/Nitrite as N	-0.0252	0.0500	0.300	mg/L	U	E353.2
2H22615-CCB2	Nitrate/Nitrite as N	-0.0237	0.0500	0.300	mg/L	U	E353.2
2H22615-CCB3	Nitrate/Nitrite as N	-0.0372	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H22616
Calibration: 2226006
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22616-ICB1	Ammonia as N	-0.006211	0.110	0.300	mg/L	U	SM4500NH3BG
2H22616-CCB1	Ammonia as N	0.00107	0.110	0.300	mg/L	U	SM4500NH3BG
2H22616-CCB2	Ammonia as N	-0.0166	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H22716
Calibration: 2227006
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22716-ICB1	Ammonia as N	0.001010	0.110	0.300	mg/L	U	SM4500NH3BG
2H22716-CCB1	Ammonia as N	0.00299	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H22802
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22802-CCB1	Chloride	0.0200	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2H22802-CCB2	Chloride	0.100	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.508	0.330	2.00	mg/L	J	E300.0
2H22802-CCB3	Chloride	0.108	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.484	0.330	2.00	mg/L	J	E300.0
2H22802-CCB4	Chloride	0.193	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	-0.468	0.330	2.00	mg/L	J	E300.0

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26017

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	7.580	36.37	104		80 - 120
Sulfate as SO4	27.78	28.47	58.22	107		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	36.38	104	0.0244		20	80 - 120
Sulfate as SO4	27.78	58.39	108	0.284		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0665

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27002

% Solids:

Source Sample Name: **1207138-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	9.360	37.97	103		80 - 120
Sulfate as SO4	27.78	29.40	58.61	105		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	38.01	103	0.114		20	80 - 120
Sulfate as SO4	27.78	58.82	106	0.352		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27002

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	13.17	41.25	101		80 - 120
Sulfate as SO4	27.78	5.437	34.10	103		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.14	101	0.256		20	80 - 120
Sulfate as SO4	27.78	34.20	104	0.319		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G30003

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1266	ND	1396	110		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1416	112	1.40		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G31009

% Solids:

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1266	ND	1357	107		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1318	104	2.94		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H06017

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	123.4	227.8	94.0		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	224.2	90.8	1.59		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H07014

% Solids:

Source Sample Name: **1207138-07**

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	279.1	378.4	89.4		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	382.4	93.0	1.06		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0671

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10015		
% Solids:			

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.966	119	N	90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.904	116	2.11	N	20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0693

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10015		
% Solids:			

Source Sample Name: **1207138-07**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.564	103		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.538	102	1.02		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0671

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H13001

% Solids:

Source Sample Name: **1207130-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.420	108		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	5.326	107	1.75		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0693

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H13001

% Solids:

Source Sample Name: **1207138-07**

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	5.256	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	5.160	103	1.84		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0700

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H13015

% Solids:

Source Sample Name: **1207152-17**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.634	105		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.602	104	1.24		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0675

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H14002

% Solids:

Source Sample Name: **1207152-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.163	103		75 - 125

GW0671

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2G26017
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0671

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2G26017-DUP1
Lab Source ID: 1207130-05
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	7.58	7.553	0.357		E300.0
Sulfate as SO4	20	28.5	28.48	0.0211		E300.0

DUPLICATES

GW0665

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_058
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2G27002-DUP1
Batch: 2G27002
Lab Source ID: 1207138-01
Preparation: WC_PREP_ANIONS_W
Initial/Final: 5 mL / 5 mL
Source Sample Name: GW0665
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	9.36	9.297	0.675		E300.0
Sulfate as SO4	20	29.4	29.10	1.02		E300.0

GW0693

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2G27002
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0693

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2G27002-DUP2
Lab Source ID: 1207138-07
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	13.2	13.22	0.326		E300.0
Sulfate as SO4	20	5.44	5.417	0.369		E300.0

GW0674

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2H14002
Preparation: pNone
Source Sample Name: GW0674

SDG: Kirtland_058
Project: Kirtland AFB 2011
Laboratory ID: 2H14002-DUP1
Lab Source ID: 1207152-01
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	20	0.300 U	0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G25016	Laboratory ID:	2G25016-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.243	109	90 - 110
Sulfate as SO4	24.00	25.44	106	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26017	Laboratory ID:	2G26017-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	5.045	105	90 - 110
Sulfate as SO4	24.00	25.44	106	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27002	Laboratory ID:	2G27002-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	4.864	101	90 - 110
Sulfate as SO4	24.00	24.55	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G30003	Laboratory ID:	2G30003-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1233	97.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G31009	Laboratory ID:	2G31009-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1150	90.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H02004	Laboratory ID:	2H02004-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	1023	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H06017	Laboratory ID:	2H06017-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	1027	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H07008	Laboratory ID:	2H07008-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1029	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H07014	Laboratory ID:	2H07014-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	1023	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H09008	Laboratory ID:	2H09008-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.021	105	90 - 110
Sulfate as SO4	24.00	24.59	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10015	Laboratory ID:	2H10015-BS1
Preparation:	pNone	Initial/Final:	2 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.58	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13001	Laboratory ID:	2H13001-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	5.211	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13015	Laboratory ID:	2H13015-BS1
Preparation:	pNone	Initial/Final:	2 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.50	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14002	Laboratory ID:	2H14002-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	4.937	98.7	80 - 120

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G25016 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/25/12 16:06	5.00	5.00
GW0666	1207130-03	07/25/12 16:06	5.00	5.00
GW0673	1207130-07	07/25/12 16:06	5.00	5.00
GW0717	1207130-09	07/25/12 16:06	5.00	5.00
Blank	2G25016-BLK1	07/25/12 16:06	5.00	5.00
LCS	2G25016-BS1	07/25/12 16:06	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G26017 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0671	1207130-05	07/26/12 16:18	5.00	5.00
GW0718	1207130-11	07/26/12 16:18	5.00	5.00
GW0719	1207130-13	07/26/12 16:18	5.00	5.00
GW0742	1207130-15	07/26/12 16:18	5.00	5.00
Blank	2G26017-BLK1	07/26/12 16:18	5.00	5.00
LCS	2G26017-BS1	07/26/12 16:18	5.00	5.00
GW0671	2G26017-DUP1	07/26/12 16:18	5.00	5.00
GW0671	2G26017-MS1	07/26/12 16:18	22.50	25.00
GW0671	2G26017-MSD1	07/26/12 16:18	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G27002 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0665	1207138-01	07/27/12 08:01	5.00	5.00
GW0684	1207138-03	07/27/12 08:01	5.00	5.00
GW0692	1207138-05	07/27/12 08:01	5.00	5.00
GW0693	1207138-07	07/27/12 08:01	5.00	5.00
GW0703	1207138-09	07/27/12 08:01	5.00	5.00
GW0740	1207138-11	07/27/12 08:01	5.00	5.00
GW0741	1207138-13	07/27/12 08:01	5.00	5.00
Blank	2G27002-BLK1	07/27/12 08:01	5.00	5.00
LCS	2G27002-BS1	07/27/12 08:01	5.00	5.00
GW0665	2G27002-DUP1	07/27/12 08:01	5.00	5.00
GW0693	2G27002-DUP2	07/27/12 08:01	5.00	5.00
GW0665	2G27002-MS1	07/27/12 08:01	22.50	25.00
GW0693	2G27002-MS2	07/27/12 08:01	22.50	25.00
GW0665	2G27002-MSD1	07/27/12 08:01	22.50	25.00
GW0693	2G27002-MSD2	07/27/12 08:01	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G30003 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	07/30/12 08:26	295.00	200.00
GW0666	1207130-03	07/30/12 08:26	295.00	200.00
GW0671	1207130-05	07/30/12 08:26	295.00	200.00
GW0673	1207130-07	07/30/12 08:26	270.00	200.00
GW0717	1207130-09	07/30/12 08:26	270.00	200.00
GW0718	1207130-11	07/30/12 08:26	295.00	200.00
GW0719	1207130-13	07/30/12 08:26	270.00	200.00
GW0742	1207130-15	07/30/12 08:26	295.00	200.00
GW0665	1207138-01	07/30/12 08:26	295.00	200.00
GW0740	1207138-11	07/30/12 08:26	295.00	200.00
Blank	2G30003-BLK1	07/30/12 08:26	250.00	200.00
LCS	2G30003-BS1	07/30/12 08:26	3.00	250.00
GW0671	2G30003-MS1	07/30/12 08:26	3.00	295.00
GW0671	2G30003-MSD1	07/30/12 08:26	3.00	295.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2G31009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0684	1207138-03	07/31/12 08:04	270.00	200.00
GW0692	1207138-05	07/31/12 08:04	295.00	200.00
GW0693	1207138-07	07/31/12 08:04	295.00	200.00
GW0703	1207138-09	07/31/12 08:04	295.00	200.00
GW0741	1207138-13	07/31/12 08:04	270.00	200.00
GW0674	1207152-01	07/31/12 08:04	295.00	200.00
GW0675	1207152-03	07/31/12 08:04	270.00	200.00
GW0676	1207152-05	07/31/12 08:04	270.00	200.00
GW0681	1207152-07	07/31/12 08:04	295.00	200.00
GW0682	1207152-09	07/31/12 08:04	295.00	200.00
GW0683	1207152-11	07/31/12 08:04	270.00	200.00
GW0690	1207152-13	07/31/12 08:04	295.00	200.00
GW0691	1207152-15	07/31/12 08:04	295.00	200.00
GW0700	1207152-17	07/31/12 08:04	270.00	200.00
Blank	2G31009-BLK1	07/31/12 08:04	250.00	200.00
LCS	2G31009-BS1	07/31/12 08:04	3.00	250.00
GW0693	2G31009-MS2	07/31/12 08:04	3.00	295.00
GW0693	2G31009-MSD2	07/31/12 08:04	3.00	295.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H02004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0673	1207130-07	08/02/12 08:10	25.00	25.00
GW0717	1207130-09	08/02/12 08:10	25.00	25.00
GW0718	1207130-11	08/02/12 08:10	25.00	25.00
GW0719	1207130-13	08/02/12 08:10	25.00	25.00
GW0742	1207130-15	08/02/12 08:10	25.00	25.00
GW0665	1207138-01	08/02/12 08:10	25.00	25.00
GW0740	1207138-11	08/02/12 08:10	25.00	25.00
GW0741	1207138-13	08/02/12 08:10	25.00	25.00
Blank	2H02004-BLK1	08/02/12 08:10	25.00	25.00
LCS	2H02004-BS1	08/02/12 08:10	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H06017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	08/06/12 10:56	25.00	25.00
GW0666	1207130-03	08/06/12 10:56	25.00	25.00
GW0671	1207130-05	08/06/12 10:56	25.00	25.00
GW0684	1207138-03	08/06/12 10:56	25.00	25.00
GW0692	1207138-05	08/06/12 10:56	25.00	25.00
GW0703	1207138-09	08/06/12 10:56	25.00	25.00
GW0683	1207152-11	08/06/12 10:56	25.00	25.00
GW0690	1207152-13	08/06/12 10:56	25.00	25.00
GW0691	1207152-15	08/06/12 10:56	25.00	25.00
GW0700	1207152-17	08/06/12 10:56	25.00	25.00
Blank	2H06017-BLK1	08/06/12 10:56	25.00	25.00
LCS	2H06017-BS1	08/06/12 10:56	5.00	25.00
GW0671	2H06017-MS1	08/06/12 10:56	22.50	25.00
GW0671	2H06017-MSD1	08/06/12 10:56	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H07008 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	08/07/12 08:43	25.00	25.00
GW0675	1207152-03	08/07/12 08:43	25.00	25.00
GW0676	1207152-05	08/07/12 08:43	25.00	25.00
GW0681	1207152-07	08/07/12 08:43	25.00	25.00
GW0682	1207152-09	08/07/12 08:43	25.00	25.00
Blank	2H07008-BLK1	08/07/12 08:43	25.00	25.00
LCS	2H07008-BS1	08/07/12 08:43	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H07014 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0693	1207138-07	08/07/12 12:27	25.00	25.00
Blank	2H07014-BLK1	08/07/12 12:27	25.00	25.00
LCS	2H07014-BS1	08/07/12 12:27	5.00	25.00
GW0693	2H07014-MS1	08/07/12 12:27	22.50	25.00
GW0693	2H07014-MSD1	08/07/12 12:27	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H09008 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	08/09/12 12:22	5.00	5.00
GW0675	1207152-03	08/09/12 12:22	5.00	5.00
GW0676	1207152-05	08/09/12 12:22	5.00	5.00
GW0681	1207152-07	08/09/12 12:22	5.00	5.00
GW0682	1207152-09	08/09/12 12:22	5.00	5.00
GW0683	1207152-11	08/09/12 12:22	5.00	5.00
GW0690	1207152-13	08/09/12 12:22	5.00	5.00
GW0691	1207152-15	08/09/12 12:22	5.00	5.00
GW0700	1207152-17	08/09/12 12:22	5.00	5.00
Blank	2H09008-BLK1	08/09/12 12:22	5.00	5.00
LCS	2H09008-BS1	08/09/12 12:22	5.00	5.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H10015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	08/10/12 10:26	4.00	20.00
GW0666	1207130-03	08/10/12 10:26	4.00	20.00
GW0671	1207130-05	08/10/12 10:26	4.00	20.00
GW0673	1207130-07	08/10/12 10:26	4.00	20.00
GW0717	1207130-09	08/10/12 10:26	4.00	20.00
GW0718	1207130-11	08/10/12 10:26	4.00	20.00
GW0719	1207130-13	08/10/12 10:26	4.00	20.00
GW0742	1207130-15	08/10/12 10:26	4.00	20.00
GW0665	1207138-01	08/10/12 10:26	4.00	20.00
GW0684	1207138-03	08/10/12 10:26	4.00	20.00
GW0692	1207138-05	08/10/12 10:26	4.00	20.00
GW0693	1207138-07	08/10/12 10:26	4.00	20.00
GW0703	1207138-09	08/10/12 10:26	4.00	20.00
GW0740	1207138-11	08/10/12 10:26	4.00	20.00
GW0741	1207138-13	08/10/12 10:26	4.00	20.00
Blank	2H10015-BLK1	08/10/12 10:26	20.00	20.00
LCS	2H10015-BS1	08/10/12 10:26	2.00	20.00
GW0671	2H10015-MS1	08/10/12 10:26	4.00	20.00
GW0693	2H10015-MS2	08/10/12 10:26	4.00	20.00
GW0671	2H10015-MSD1	08/10/12 10:26	4.00	20.00
GW0693	2H10015-MSD2	08/10/12 10:26	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H13001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0664	1207130-01	08/13/12 06:04	100.00	100.00
GW0666	1207130-03	08/13/12 06:04	100.00	100.00
GW0671	1207130-05	08/13/12 06:04	100.00	100.00
GW0673	1207130-07	08/13/12 06:04	100.00	100.00
GW0717	1207130-09	08/13/12 06:04	100.00	100.00
GW0718	1207130-11	08/13/12 06:04	100.00	100.00
GW0719	1207130-13	08/13/12 06:04	100.00	100.00
GW0742	1207130-15	08/13/12 06:04	100.00	100.00
GW0665	1207138-01	08/13/12 06:04	100.00	100.00
GW0684	1207138-03	08/13/12 06:04	100.00	100.00
GW0692	1207138-05	08/13/12 06:04	100.00	100.00
GW0693	1207138-07	08/13/12 06:04	100.00	100.00
GW0703	1207138-09	08/13/12 06:04	100.00	100.00
GW0740	1207138-11	08/13/12 06:04	100.00	100.00
GW0741	1207138-13	08/13/12 06:04	100.00	100.00
Blank	2H13001-BLK1	08/13/12 06:04	100.00	100.00
LCS	2H13001-BS1	08/13/12 06:04	100.00	100.00
GW0671	2H13001-MS1	08/13/12 06:04	100.00	100.00
GW0693	2H13001-MS2	08/13/12 06:04	100.00	100.00
GW0671	2H13001-MSD1	08/13/12 06:04	100.00	100.00
GW0693	2H13001-MSD2	08/13/12 06:04	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H13015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	08/13/12 12:11	4.00	20.00
GW0675	1207152-03	08/13/12 12:11	4.00	20.00
GW0676	1207152-05	08/13/12 12:11	4.00	20.00
GW0681	1207152-07	08/13/12 12:11	4.00	20.00
GW0682	1207152-09	08/13/12 12:11	4.00	20.00
GW0683	1207152-11	08/13/12 12:11	4.00	20.00
GW0690	1207152-13	08/13/12 12:11	4.00	20.00
GW0691	1207152-15	08/13/12 12:11	4.00	20.00
GW0700	1207152-17	08/13/12 12:11	4.00	20.00
Blank	2H13015-BLK1	08/13/12 12:11	20.00	20.00
LCS	2H13015-BS1	08/13/12 12:11	2.00	20.00
GW0700	2H13015-MS1	08/13/12 12:11	4.00	20.00
GW0700	2H13015-MSD1	08/13/12 12:11	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_058

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

Batch: 2H14002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0674	1207152-01	08/14/12 06:18	100.00	100.00
GW0675	1207152-03	08/14/12 06:18	100.00	100.00
GW0676	1207152-05	08/14/12 06:18	100.00	100.00
GW0681	1207152-07	08/14/12 06:18	100.00	100.00
GW0682	1207152-09	08/14/12 06:18	100.00	100.00
GW0683	1207152-11	08/14/12 06:18	100.00	100.00
GW0690	1207152-13	08/14/12 06:18	100.00	100.00
GW0691	1207152-15	08/14/12 06:18	100.00	100.00
GW0700	1207152-17	08/14/12 06:18	100.00	100.00
Blank	2H14002-BLK1	08/14/12 06:18	100.00	100.00
LCS	2H14002-BS1	08/14/12 06:18	100.00	100.00
GW0674	2H14002-DUP1	08/14/12 06:18	100.00	100.00
GW0675	2H14002-MS1	08/14/12 06:18	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2H02004-BS1	080212-002	08/02/12 08:40
Blank	2H02004-BLK1	080212-003	08/02/12 08:47
LCS	2H06017-BS1	080612-002	08/06/12 11:22
Blank	2H06017-BLK1	080612-003	08/06/12 11:29
GW0671	2H06017-MS1	080612-004	08/06/12 11:34
GW0671	2H06017-MSD1	080612-005	08/06/12 11:40
LCS	2H07008-BS1	080712-002	08/07/12 09:20
Blank	2H07008-BLK1	080712-003	08/07/12 09:25
LCS	2H07014-BS1	080712B-002	08/07/12 12:35
Blank	2H07014-BLK1	080712B-003	08/07/12 12:40
GW0693	2H07014-MS1	080712B-004	08/07/12 12:45
GW0693	2H07014-MSD1	080712B-005	08/07/12 12:51

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_058

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2G30003-BS1	073012-001	07/30/12 12:00
Blank	2G30003-BLK1	073012-002	07/30/12 12:01
GW0671	2G30003-MS1	073012-010	07/30/12 12:19
GW0671	2G30003-MSD1	073012-011	07/30/12 12:20
LCS	2G31009-BS1	073112-001	07/31/12 11:43
Blank	2G31009-BLK1	073112-002	07/31/12 11:44
GW0693	2G31009-MS2	073112-011	07/31/12 11:53
GW0693	2G31009-MSD2	073112-012	07/31/12 11:54

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13609	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13609-CAL1	051412-010	05/14/12 18:29
Cal Standard	2E13609-CAL2	051412-011	05/14/12 18:46
Cal Standard	2E13609-CAL3	051412-012	05/14/12 19:04
Cal Standard	2E13609-CAL4	051412-013	05/14/12 19:21
Cal Standard	2E13609-CAL5	051412-014	05/14/12 19:38
Cal Standard	2E13609-CAL6	051412-015	05/14/12 19:56
Cal Standard	2E13609-CAL7	051412-016	05/14/12 20:13
Cal Standard	2E13609-CAL8	051412-017	05/14/12 20:31
Initial Cal Check	2E13609-ICV1	051412-018	05/14/12 20:48
Initial Cal Blank	2E13609-ICB1	051412-019	05/14/12 21:06

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21506	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21506-CCV1	072512-003	07/25/12 18:05
Calibration Blank	2H21506-CCB1	072512-004	07/25/12 18:22
Instrument RL Check	2H21506-CRL3	072512-007	07/25/12 19:15
LCS	2G25016-BS1	072512-008	07/25/12 19:32
Blank	2G25016-BLK1	072512-010	07/25/12 20:07
Calibration Check	2H21506-CCV2	072512-019	07/25/12 22:44
Calibration Blank	2H21506-CCB2	072512-020	07/25/12 23:01
Calibration Check	2H21506-CCV3	072512-031	07/26/12 02:12
Calibration Blank	2H21506-CCB3	072512-032	07/26/12 02:30
GW0664	1207130-01	072512-037	07/26/12 03:57
GW0666	1207130-03	072512-038	07/26/12 04:14
GW0673	1207130-07	072512-039	07/26/12 04:32
GW0717	1207130-09	072512-040	07/26/12 04:49
Calibration Check	2H21506-CCV4	072512-041	07/26/12 05:07
Calibration Blank	2H21506-CCB4	072512-042	07/26/12 05:24

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21514	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H21514-CCV1	072612-003	07/26/12 17:19
Calibration Blank	2H21514-CCB1	072612-004	07/26/12 17:36
Instrument RL Check	2H21514-CRL3	072612-007	07/26/12 18:28
LCS	2G26017-BS1	072612-008	07/26/12 18:46
Blank	2G26017-BLK1	072612-010	07/26/12 19:21
GW0671	1207130-05	072612-014	07/26/12 20:30
GW0671	2G26017-MS1	072612-015	07/26/12 20:48
GW0671	2G26017-MSD1	072612-016	07/26/12 21:05
GW0671	2G26017-DUP1	072612-017	07/26/12 21:23
Calibration Check	2H21514-CCV2	072612-018	07/26/12 21:40
Calibration Blank	2H21514-CCB2	072612-019	07/26/12 21:57
GW0718	1207130-11	072612-020	07/26/12 22:15
GW0719	1207130-13	072612-021	07/26/12 22:32
GW0742	1207130-15	072612-022	07/26/12 22:50
Calibration Check	2H21514-CCV3	072612-030	07/27/12 01:09
Calibration Blank	2H21514-CCB3	072612-031	07/27/12 01:26

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22104	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22104-CCV1	072712-003	07/27/12 13:44
Calibration Blank	2H22104-CCB1	072712-004	07/27/12 14:02
Instrument RL Check	2H22104-CRL3	072712-007	07/27/12 14:54
LCS	2G27002-BS1	072712-008	07/27/12 15:11
Blank	2G27002-BLK1	072712-010	07/27/12 15:46
GW0665	1207138-01	072712-017	07/27/12 17:48
GW0665	2G27002-MS1	072712-018	07/27/12 18:05
GW0665	2G27002-MSD1	072712-019	07/27/12 18:23
GW0665	2G27002-DUP1	072712-020	07/27/12 18:40
Calibration Check	2H22104-CCV2	072712-021	07/27/12 18:58
Calibration Blank	2H22104-CCB2	072712-022	07/27/12 19:15
GW0684	1207138-03	072712-028	07/27/12 21:00
GW0693	1207138-07	072712-029	07/27/12 21:17
GW0693	2G27002-MS2	072712-030	07/27/12 21:35
GW0693	2G27002-MSD2	072712-031	07/27/12 21:52
GW0693	2G27002-DUP2	072712-032	07/27/12 22:10
Calibration Check	2H22104-CCV3	072712-033	07/27/12 22:27
Calibration Blank	2H22104-CCB3	072712-034	07/27/12 22:44
GW0692	1207138-05	072712-035	07/27/12 23:02
GW0703	1207138-09	072712-036	07/27/12 23:19
GW0740	1207138-11	072712-037	07/27/12 23:37
GW0741	1207138-13	072712-038	07/27/12 23:54
Calibration Check	2H22104-CCV4	072712-039	07/28/12 00:12
Calibration Blank	2H22104-CCB4	072712-040	07/28/12 00:29

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22606	Instrument:	WC-Lachat
Calibration:	2226002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H22606-CAL1	M_8-10-2012_04-22-03PM-00	08/10/12 16:23
Cal Standard	2H22606-CAL2	M_8-10-2012_04-22-03PM-00	08/10/12 16:24
Cal Standard	2H22606-CAL3	M_8-10-2012_04-22-03PM-00	08/10/12 16:26
Cal Standard	2H22606-CAL4	M_8-10-2012_04-22-03PM-00	08/10/12 16:27
Cal Standard	2H22606-CAL5	M_8-10-2012_04-22-03PM-00	08/10/12 16:28
Cal Standard	2H22606-CAL6	M_8-10-2012_04-22-03PM-00	08/10/12 16:30
Cal Standard	2H22606-CAL7	M_8-10-2012_04-22-03PM-00	08/10/12 16:31
Cal Standard	2H22606-CAL8	M_8-10-2012_04-22-03PM-00	08/10/12 16:33
Initial Cal Check	2H22606-ICV1	M_8-10-2012_04-22-03PM-00	08/10/12 16:34
Initial Cal Blank	2H22606-ICB1	M_8-10-2012_04-22-03PM-01	08/10/12 16:36
Blank	2H10015-BLK1	M_8-10-2012_04-22-03PM-01	08/10/12 16:39
LCS	2H10015-BS1	M_8-10-2012_04-22-03PM-01	08/10/12 16:40
GW0664	1207130-01	M_8-10-2012_04-22-03PM-01	08/10/12 16:41
GW0666	1207130-03	M_8-10-2012_04-22-03PM-01	08/10/12 16:43
GW0671	1207130-05	M_8-10-2012_04-22-03PM-01	08/10/12 16:44
GW0671	2H10015-MS1	M_8-10-2012_04-22-03PM-01	08/10/12 16:46
GW0671	2H10015-MSD1	M_8-10-2012_04-22-03PM-01	08/10/12 16:47
GW0673	1207130-07	M_8-10-2012_04-22-03PM-01	08/10/12 16:49
GW0717	1207130-09	M_8-10-2012_04-22-03PM-02	08/10/12 16:50
GW0718	1207130-11	M_8-10-2012_04-22-03PM-02	08/10/12 16:52
GW0719	1207130-13	M_8-10-2012_04-22-03PM-02	08/10/12 16:53
GW0742	1207130-15	M_8-10-2012_04-22-03PM-02	08/10/12 16:54
GW0665	1207138-01	M_8-10-2012_04-22-03PM-02	08/10/12 16:56
GW0684	1207138-03	M_8-10-2012_04-22-03PM-02	08/10/12 16:57
Calibration Check	2H22606-CCV1	M_8-10-2012_04-22-03PM-02	08/10/12 16:59
Calibration Blank	2H22606-CCB1	M_8-10-2012_04-22-03PM-02	08/10/12 17:00
GW0692	1207138-05	M_8-10-2012_04-22-03PM-02	08/10/12 17:02
GW0693	1207138-07	M_8-10-2012_04-22-03PM-02	08/10/12 17:03
GW0693	2H10015-MS2	M_8-10-2012_04-22-03PM-03	08/10/12 17:05
GW0693	2H10015-MSD2	M_8-10-2012_04-22-03PM-03	08/10/12 17:06
GW0703	1207138-09	M_8-10-2012_04-22-03PM-03	08/10/12 17:08
GW0740	1207138-11	M_8-10-2012_04-22-03PM-03	08/10/12 17:09

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22606	Instrument:	WC-Lachat
Calibration:	2226002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0741	1207138-13	M_8-10-2012_04-22-03PM-03	08/10/12 17:10
Calibration Check	2H22606-CCV2	M_8-10-2012_04-22-03PM-03	08/10/12 17:13
Calibration Blank	2H22606-CCB2	M_8-10-2012_04-22-03PM-03	08/10/12 17:15

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22615	Instrument:	WC-Lachat
Calibration:	2226005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H22615-CAL1	M_8-13-2012_01-44-48PM-00	08/13/12 13:46
Cal Standard	2H22615-CAL2	M_8-13-2012_01-44-48PM-00	08/13/12 13:48
Cal Standard	2H22615-CAL3	M_8-13-2012_01-44-48PM-00	08/13/12 13:49
Cal Standard	2H22615-CAL4	M_8-13-2012_01-44-48PM-00	08/13/12 13:51
Cal Standard	2H22615-CAL5	M_8-13-2012_01-44-48PM-00	08/13/12 13:52
Cal Standard	2H22615-CAL6	M_8-13-2012_01-44-48PM-00	08/13/12 13:54
Cal Standard	2H22615-CAL7	M_8-13-2012_01-44-48PM-00	08/13/12 13:55
Cal Standard	2H22615-CAL8	M_8-13-2012_01-44-48PM-00	08/13/12 13:57
Initial Cal Check	2H22615-ICV1	M_8-13-2012_01-44-48PM-00	08/13/12 13:58
Initial Cal Blank	2H22615-ICB1	M_8-13-2012_01-44-48PM-01	08/13/12 13:59
Calibration Check	2H22615-CCV1	M_8-13-2012_01-44-48PM-02	08/13/12 14:20
Calibration Blank	2H22615-CCB1	M_8-13-2012_01-44-48PM-02	08/13/12 14:21
Blank	2H13015-BLK1	M_8-13-2012_01-44-48PM-03	08/13/12 14:36
LCS	2H13015-BS1	M_8-13-2012_01-44-48PM-03	08/13/12 14:37
GW0674	1207152-01	M_8-13-2012_01-44-48PM-03	08/13/12 14:39
GW0675	1207152-03	M_8-13-2012_01-44-48PM-03	08/13/12 14:40
GW0676	1207152-05	M_8-13-2012_01-44-48PM-03	08/13/12 14:41
Calibration Check	2H22615-CCV2	M_8-13-2012_01-44-48PM-04	08/13/12 14:43
Calibration Blank	2H22615-CCB2	M_8-13-2012_01-44-48PM-04	08/13/12 14:44
GW0681	1207152-07	M_8-13-2012_01-44-48PM-04	08/13/12 14:46
GW0682	1207152-09	M_8-13-2012_01-44-48PM-04	08/13/12 14:47
GW0683	1207152-11	M_8-13-2012_01-44-48PM-04	08/13/12 14:49
GW0690	1207152-13	M_8-13-2012_01-44-48PM-04	08/13/12 14:50
GW0691	1207152-15	M_8-13-2012_01-44-48PM-04	08/13/12 14:52
GW0700	1207152-17	M_8-13-2012_01-44-48PM-04	08/13/12 14:53
GW0700	2H13015-MS1	M_8-13-2012_01-44-48PM-04	08/13/12 14:55
GW0700	2H13015-MSD1	M_8-13-2012_01-44-48PM-04	08/13/12 14:56
Calibration Check	2H22615-CCV3	M_8-13-2012_01-44-48PM-05	08/13/12 15:03
Calibration Blank	2H22615-CCB3	M_8-13-2012_01-44-48PM-05	08/13/12 15:05

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22616	Instrument:	WC-Lachat
Calibration:	2226006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H22616-CAL1	M_8-13-2012_04-18-49PM-00	08/13/12 16:19
Cal Standard	2H22616-CAL2	M_8-13-2012_04-18-49PM-00	08/13/12 16:20
Cal Standard	2H22616-CAL3	M_8-13-2012_04-18-49PM-00	08/13/12 16:21
Cal Standard	2H22616-CAL4	M_8-13-2012_04-18-49PM-00	08/13/12 16:22
Cal Standard	2H22616-CAL5	M_8-13-2012_04-18-49PM-00	08/13/12 16:23
Cal Standard	2H22616-CAL6	M_8-13-2012_04-18-49PM-00	08/13/12 16:24
Cal Standard	2H22616-CAL7	M_8-13-2012_04-18-49PM-00	08/13/12 16:25
Cal Standard	2H22616-CAL8	M_8-13-2012_04-18-49PM-00	08/13/12 16:26
Initial Cal Check	2H22616-ICV1	M_8-13-2012_04-18-49PM-00	08/13/12 16:27
Initial Cal Blank	2H22616-ICB1	M_8-13-2012_04-18-49PM-01	08/13/12 16:28
Blank	2H13001-BLK1	M_8-13-2012_04-18-49PM-01	08/13/12 16:29
LCS	2H13001-BS1	M_8-13-2012_04-18-49PM-01	08/13/12 16:30
GW0666	1207130-03	M_8-13-2012_04-18-49PM-01	08/13/12 16:31
GW0664	1207130-01	M_8-13-2012_04-18-49PM-01	08/13/12 16:31
GW0671	1207130-05	M_8-13-2012_04-18-49PM-01	08/13/12 16:32
GW0671	2H13001-MS1	M_8-13-2012_04-18-49PM-01	08/13/12 16:33
GW0671	2H13001-MSD1	M_8-13-2012_04-18-49PM-01	08/13/12 16:34
GW0673	1207130-07	M_8-13-2012_04-18-49PM-01	08/13/12 16:35
GW0717	1207130-09	M_8-13-2012_04-18-49PM-01	08/13/12 16:36
GW0718	1207130-11	M_8-13-2012_04-18-49PM-02	08/13/12 16:37
GW0719	1207130-13	M_8-13-2012_04-18-49PM-02	08/13/12 16:38
GW0742	1207130-15	M_8-13-2012_04-18-49PM-02	08/13/12 16:39
GW0665	1207138-01	M_8-13-2012_04-18-49PM-02	08/13/12 16:40
GW0684	1207138-03	M_8-13-2012_04-18-49PM-02	08/13/12 16:41
Calibration Check	2H22616-CCV1	M_8-13-2012_04-18-49PM-02	08/13/12 16:42
Calibration Blank	2H22616-CCB1	M_8-13-2012_04-18-49PM-02	08/13/12 16:43
GW0692	1207138-05	M_8-13-2012_04-18-49PM-02	08/13/12 16:44
GW0693	1207138-07	M_8-13-2012_04-18-49PM-02	08/13/12 16:45
GW0693	2H13001-MS2	M_8-13-2012_04-18-49PM-02	08/13/12 16:46
GW0693	2H13001-MSD2	M_8-13-2012_04-18-49PM-03	08/13/12 16:47
GW0703	1207138-09	M_8-13-2012_04-18-49PM-03	08/13/12 16:48
GW0740	1207138-11	M_8-13-2012_04-18-49PM-03	08/13/12 16:49

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22616	Instrument:	WC-Lachat
Calibration:	2226006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0741	1207138-13	M_8-13-2012_04-18-49PM-03	08/13/12 16:50
Calibration Check	2H22616-CCV2	M_8-13-2012_04-18-49PM-03	08/13/12 16:55
Calibration Blank	2H22616-CCB2	M_8-13-2012_04-18-49PM-04	08/13/12 16:56

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22716	Instrument:	WC-Lachat
Calibration:	2227006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H22716-CAL1	M_8-14-2012_03-13-39PM-00	08/14/12 15:15
Cal Standard	2H22716-CAL3	M_8-14-2012_03-13-39PM-00	08/14/12 15:16
Cal Standard	2H22716-CAL2	M_8-14-2012_03-13-39PM-00	08/14/12 15:16
Cal Standard	2H22716-CAL4	M_8-14-2012_03-13-39PM-00	08/14/12 15:17
Cal Standard	2H22716-CAL5	M_8-14-2012_03-13-39PM-00	08/14/12 15:18
Cal Standard	2H22716-CAL6	M_8-14-2012_03-13-39PM-00	08/14/12 15:19
Cal Standard	2H22716-CAL7	M_8-14-2012_03-13-39PM-00	08/14/12 15:20
Cal Standard	2H22716-CAL8	M_8-14-2012_03-13-39PM-00	08/14/12 15:21
Initial Cal Check	2H22716-ICV1	M_8-14-2012_03-13-39PM-00	08/14/12 15:22
Initial Cal Blank	2H22716-ICB1	M_8-14-2012_03-13-39PM-01	08/14/12 15:23
Blank	2H14002-BLK1	M_8-14-2012_03-13-39PM-01	08/14/12 15:24
LCS	2H14002-BS1	M_8-14-2012_03-13-39PM-01	08/14/12 15:25
GW0674	1207152-01	M_8-14-2012_03-13-39PM-01	08/14/12 15:26
GW0674	2H14002-DUP1	M_8-14-2012_03-13-39PM-01	08/14/12 15:27
GW0675	1207152-03	M_8-14-2012_03-13-39PM-01	08/14/12 15:28
GW0675	2H14002-MS1	M_8-14-2012_03-13-39PM-01	08/14/12 15:29
GW0676	1207152-05	M_8-14-2012_03-13-39PM-01	08/14/12 15:30
GW0681	1207152-07	M_8-14-2012_03-13-39PM-01	08/14/12 15:31
GW0682	1207152-09	M_8-14-2012_03-13-39PM-01	08/14/12 15:32
GW0683	1207152-11	M_8-14-2012_03-13-39PM-02	08/14/12 15:33
GW0690	1207152-13	M_8-14-2012_03-13-39PM-02	08/14/12 15:34
GW0700	1207152-17	M_8-14-2012_03-13-39PM-02	08/14/12 15:35
GW0691	1207152-15	M_8-14-2012_03-13-39PM-02	08/14/12 15:35
Calibration Check	2H22716-CCV1	M_8-14-2012_03-13-39PM-02	08/14/12 15:37
Calibration Blank	2H22716-CCB1	M_8-14-2012_03-13-39PM-02	08/14/12 15:38

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_058
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22802	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22802-CCV1	080912-003	08/09/12 14:31
Calibration Blank	2H22802-CCB1	080912-004	08/09/12 14:48
Instrument RL Check	2H22802-CRL1	080912-005	08/09/12 15:06
Instrument RL Check	2H22802-CRL3	080912-007	08/09/12 15:41
LCS	2H09008-BS1	080912-008	08/09/12 15:58
Blank	2H09008-BLK1	080912-009	08/09/12 16:15
Calibration Check	2H22802-CCV2	080912-019	08/09/12 19:10
Calibration Blank	2H22802-CCB2	080912-020	08/09/12 19:27
GW0674	1207152-01	080912-022	08/09/12 20:02
GW0675	1207152-03	080912-023	08/09/12 20:19
GW0676	1207152-05	080912-024	08/09/12 20:37
GW0681	1207152-07	080912-025	08/09/12 20:54
GW0682	1207152-09	080912-026	08/09/12 21:11
Calibration Check	2H22802-CCV3	080912-031	08/09/12 22:39
Calibration Blank	2H22802-CCB3	080912-032	08/09/12 22:56
GW0683	1207152-11	080912-033	08/09/12 23:13
GW0690	1207152-13	080912-034	08/09/12 23:31
GW0691	1207152-15	080912-035	08/09/12 23:48
GW0700	1207152-17	080912-036	08/10/12 00:06
Calibration Check	2H22802-CCV4	080912-041	08/10/12 01:33
Calibration Blank	2H22802-CCB4	080912-042	08/10/12 01:50