ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_056

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

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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

Table of Contents

#	Description	Page No.
1	Cover Page	1
2	Table of Contents	2
3	Case Narrative	3
4	Sample Receipt Information Chain of Custody Forms Sample Receipt Confirmations WorkOrder Summary Sample Delivery Group (SDG) Sheets	12
5	Data for SW8260B Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	58
6	Data for SW8270D BNA Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	195
7	Data for SW8015B DRO Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	399
8	Data for SW8015B GRO Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	471
9	Data for SW8011 Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	534
10	Data for SW6010B Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	642
11	Data for Wet Chemistry Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	761

Sample Delivery Group Case Narrative

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

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

Sample GW8212-TB had observable head space in the vial.

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:
Samples 1207051-07, -09, and 1207067-27 were analyzed at a 5x only due to the samples foaming on the instrument during screening.

The following matrix spikes exceeded criteria:
2G13004-MS1/MSD1 (1207051-09) with a positive bias for Chloromethane, 2-Hexanone, and 4-Methyl-2-pentanone
2G19928-MS1 (1207067-19) with a positive bias for Carbon Tetrachloride and 1,1,1-Trichloroethane

The following continuing calibration verifications exceeded criteria:
2G19805-CCV1 with a positive bias for 2-Butanone, 2-Hexanone, and 4-Methyl-2-pentanone
2G20204-CCV1 with a positive bias for Bromochloromethane, Bromodichloromethane, Bromoform, Carbon Tetrachloride, Dibromochloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane, 1,1,1,2-Tetrachloroethane, and 1,1,1-Trichloroethane
2G20603-CCV1 with a positive bias for Dichlorodifluoromethane

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 1207067-01, -07, -11, -17, -19, -25, -27, 2G19916-MS1,
2,4,6-Tribromophenol with a negative bias in 1207067-01, -11, -17, -19, -17RE1
Note – Due to 2-Fluorophenol recovering less than 10% in samples 1207067-17 and -19, the samples were re-extracted. Samples 1207067-17RE1 and -19RE1 were extracted 12 days after sampling with a 7 day method recommended holding time. Both original extract and re-extract were included in the report.

The following batch spikes exceeded criteria:
2G17006-BS1/BSD1 exceeded relative percent difference criteria for 2,4-Dinitrophenol
2G24008-BS1 with a positive bias for 1,1-Biphenyl, Butylbenzylphthalate, and 2-Nitroaniline

The following matrix spikes exceeded criteria:
2G13009-MS1/MSD1 (1207051-09) with a positive bias for Bis(2-chloroethoxy)methane, 1-Methylnaphthalene, and 2-Nitroaniline
2G19916-MS1/MSD1 (1207067-19) with a negative bias for 4,6-Dinitro-2-methylphenol, Pentachlorophenol, 2,4,6-Trichlorophenol, and 2,4,5-Trichlorophenol, with a positive bias for 2-Nitroaniline, and exceeded relative percent difference criteria for Acetophenone, Benzaldehyde, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, 4-Chloro-3-methylphenol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether,

2-Chlorophenol, Dibenz(a,h)anthracene, Di-n-butylphthalate, 2,4-Dichlorophenol, Diethylphthalate, Dimethyl phthalate, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Di-n-octylphthalate, Fluorene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, 2-Methylphenol, 3-Methylphenol/4-Methylphenol, 4-Nitroaniline, 2-Nitroaniline, 3-Nitroaniline, Nitrobenzene, 4-Nitrophenol, 2-Nitrophenol, Pentachlorophenol, Phenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol
2G24008-MS3/MSD3 (1207067-19RE1) with a negative bias for 4,6-Dinitro-2-methylphenol, Pentachlorophenol, and 2,4,6-Trichlorophenol and exceeded relative percent difference criteria for Benzoic Acid, 2,4-Dichlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, 2-Nitrophenol, Pentachlorophenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol

The following continuing calibration verifications exceeded criteria:
2G20106-CCV1 with a positive bias for 2,2'-Oxybis-1-chloropropane
2G20509-CCV1 with a positive bias for 2,2'-Oxybis-1-chloropropane
2G20806-CCV1 with a positive bias for 2,2'-Oxybis-1-chloropropane
2G21201-CCV1 with a negative bias for Hexachlorocyclopentadiene
2G21207-CCV1 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:
2G13003-MS1/MSD1 (1207051-09RE1) with a positive bias for Diesel Range Organics; note – the parent sample concentration is greater than 4 times the amount spiked

The following surrogates exceeded the retention time window:
o-Terphenyl in 2G13003-BS1, -MS1, -MSD1, 2G18808-MSD1, 1207051-01, -03, -05, -07, -21, -23, -25, -27, 2G20011-CCV2, 2G20112-CCV3, and –CCV4; 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 2G17029-BS1

The following continuing calibration verifications exceeded criteria:
2G20607-CCV2 with a negative bias for Gasoline Range Organics

2G20607-CCV3 with a positive bias for Bromofluorobenzene
2G20804-CCV1 with a positive bias for Bromofluorobenzene

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

SW8011:
The following surrogates exceeded criteria:
1,3-Dibromopropane with a positive bias on both columns in 1207067-19

The following matrix spikes exceeded criteria:
2G12018-MS2 (1207051-09) with a negative bias on column 1 for 1,2-Dibromoethane
2G19930-MS3/MSD3 (1207067-19) with a negative bias on column 1 for 1,2-Dibromoethane

The following continuing calibration verifications exceeded criteria:
2G20701-CCV2 with a negative bias on column 1 for 1,2-Dibromoethane
2G20701-CCV3 with a negative bias on column 1 for 1,2-Dibromoethane and 1,3-Dibromopropane
Note – Sample 1207067-15 had a positive result on column 2 but did not have a positive result on column 1 for 1,2-Dibromoethane and was analyzed prior to 2G20701-CCV2. Sample 1207067-15 was re-analyzed as 1207067-15RE1 15 days after sampling with a 14 day method recommended holding time with a positive result on both columns for 1,2-Dibromoethane. Both original and re-analysis are included in the report.

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

SW6010B:
The following matrix spikes exceeded criteria:
2G12010-MS1/MSD1 (1207051-09) for Calcium and Sodium; note – the parent sample concentrations for Calcium and Sodium are greater than 4 times the amount spiked
2G17014-MS1/MSD1 (1207067-19) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

The following post spikes exceeded criteria:
2G12010-PS1 (1207051-09) with a negative bias for Lead and exceeded criteria for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked
2G12011-PS1 (1207051-19) with a negative bias for Lead
2G17014-PS1 (1207067-19) with a negative bias for Lead

The following serial dilution exceeded % difference criteria:
2G12015-DUP2 (1207051-10) 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 1207051-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, 1207067-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, -21, -23, -25, -27, and -29

The following blanks have reported results:
2G20213-CCB2 for Chloride; note – all concentrations for Chloride in the associated samples are greater than 10x the concentration for Chloride in the CCB

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

1207051

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW212

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

Samples Shipment Date: 10 JUL 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618313

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation)	Date: 7/10/12 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 double jr.	Date: 7-11-12 Time: 0825

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 GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

1207051

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW212

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	250 mL HDPE	1	Zinc Acetate and NaOH>1	Sulfide by SM4500S-2CF ✓			N		
	GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D ✓			N		
	GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B ✓✓			N		
02	GW0668	KAFB-106042-WG-GW0668-REG	10 JUL 2012	12:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	250 mL HDPE	1	Zinc Acetate and NaOH>1	Sulfide by SM4500S-2CF			N		
	GW0669	KAFB-106042-WG-GW0669-FD	10 JUL 2012	12:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
05	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
06	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	250 mL HDPE	1	Zinc Acetate and NaOH>1	Sulfide by SM4500S-2CF			N		
	GW0670	KAFB-106043-WG-GW0670-REG	10 JUL 2012	10:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

1207051

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW212

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
07	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0714	KAFB-106082-WG-GW0714-REG	09 JUL 2012	16:41	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
09	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0715	KAFB-106083-WG-GW0715-REG	09 JUL 2012	14:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
10	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0715-MS	KAFB-106083-WG-GW0715-MS-MS	09 JUL 2012	14:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

1207051

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW212

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
10	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0715-MSD	KAFB-106083-WG-GW0715-MSD-MSD	09 JUL 2012	14:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
11	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0716	KAFB-106084-WG-GW0716-REG	9 ~~10~~ JUL 2012	11:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
13	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
14	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
13	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

DUP 7/10/12

1207051

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW212

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
13	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0720	KAFB-106088-WG-GW0720-REG	09 JUL 2012	16:53	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
15	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
16	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0721	KAFB-106089-WG-GW0721-REG	09 JUL 2012	14:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
17	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
18	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
17	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0722	KAFB-106090-WG-GW0722-REG	09 JUL 2012	12:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
19	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by			N		

1207051

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW212

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								SW846 6010C					
20	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0729	KAFB-106096-WG-GW0729-REG	10 JUL 2012	11:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
21	GW8212-TB	FIELDQC-BW-GW8212-TB-TB	09 JUL 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 07/11/12 @ 0825

1. Tracking # 8313 (last 4 digits, FedEx) WO# 1207051

Courier: ____FED-EX

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

* Pea sized headspace in Trip Blank vials

Cooler Received/Opened On_ 07/11/12 @ 0825

1. Tracking # 8324 (last 4 digits, FedEx) WO# 1207051

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.9 *Degrees Celsius + correction factor -0.2* = 0.7

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

I certify that I entered this project into LIMS and answered questions 17-20 (intial) 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_ 07/11/12 @ 0825

WO# 1207051

1. Tracking # 8335 (last 4 digits, FedEx)

Courier: ____FED-EX

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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_ 07/11/12 @ 0825
7-11-12 JD

1. Tracking # ~~8346~~ 8346 (last 4 digits, FedEx) WO# 1207051

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.9 *Degrees Celsius + correction factor* -0.2 = 3.7

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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_ 07/11/12 @ 0825

WO# 1207051

1. Tracking # 8357 (last 4 digits, FedEx)

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.8 *Degrees Celsius + correction factor -0.2* = 2.6

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: 2 FRONT & BACK

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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_ 07/11/12 @ 0825

1. Tracking # 8368 (last 4 digits, FedEx) WO# 1207051

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.3 *Degrees Celsius + correction factor* -0.2 = 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: 2 FRONT & BACK

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

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

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

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

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

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

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

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

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

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

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

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

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

Cooler Received/Opened On_ 07/11/12 @ 0825

1. Tracking # 8379 (last 4 digits, FedEx) WO# 1207051

Courier: ____FED-EX

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

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

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

If yes, how many and where: 2F RONT & BACK

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 7

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:

1207067

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

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

Samples Shipment Date: 12 JUL 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618380

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: 7/12/12 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 dentlinger. Date: 7-13-12 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 GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

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JD 7-13-12

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
02	GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	250 mL HDPE	1	HNO3<pH 2	Ammonia by SM4500B					
01	GW0630	KAFB-106001-WG-GW0630-REG	11 JUL 2012	10:08	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	40 mL VOA VIAL	3	None except cool to 4 C	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	40 mL VOA VIAL	3	HCl<pH 2	EDB by SW846 8011			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	1000 mL A GLASS	1	None except cool to 4 C	VOCs by SW846 8260B			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	250 mL HDPE	1	HNO3<pH 2	TPH as Diesel by SW846 8015B			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	250 mL HDPE	1	Zinc Acetate and NaOH>	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	1000 mL A GLASS	2	None except cool to 4 C	Sulfide by SM4500S-2CF			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	250 mL HDPE	1	H2SO4<pH 2	SVOCs by SW846 8270D			N		
	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	250 mL HDPE	1	None except cool to 4 C	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0635	KAFB-106007-WG-GW0635-REG	11 JUL 2012	12:26	250 mL HDPE	1	HNO3<pH 2	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
05	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	40 mL VOA VIAL	3	HCl<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	40 mL VOA VIAL	3	None except cool to 4 C	TPH as Gasoline by SW846 8015B			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	40 mL VOA VIAL	3	HCl<pH 2	EDB by SW846 8011			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	1000 mL A GLASS	1	None except cool to 4 C	VOCs by SW846 8260B			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	250 mL HDPE	1	HNO3<pH 2	TPH as Diesel by SW846 8015B			N		
06	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
05	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	1000 mL A GLASS	2	None except cool to 4 C	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	250 mL HDPE	1	Zinc Acetate and NaOH>	SVOCs by SW846 8270D			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	250 mL HDPE	1	H2SO4<pH 2	Sulfide by SM4500S-2CF			N		
	GW0644	KAFB-106017-WG-GW0644-REG	12 JUL 2012	10:58	250 mL HDPE	1	None except cool to 4 C	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
07	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	1000 mL A GLASS	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Diesel by SW846 8015B			N		
	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	40 mL VOA VIAL	3	None except cool to 4 C	TPH as Gasoline by SW846 8015B			N		
	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	40 mL VOA VIAL	3	HCl<pH 2	EDB by SW846 8011			N		
								VOCs by SW846 8260B			N		

1207067

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0645	KAFB-106018-WG-GW0645-REG	12 JUL 2012	13:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0646	KAFB-106018-WG-GW0646-FD	12 JUL 2012	13:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
11	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0647	KAFB-106019-WG-GW0647-REG	12 JUL 2012	16:08	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		

1207067

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
14	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0651	KAFB-106024-WG-GW0651-REG	11 JUL 2012	15:32	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
15	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
16	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0652	KAFB-106025-WG-GW0652-REG	10 JUL 2012	16:12	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
17	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	JD7-13-12												
18	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
17	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		

1207067

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
17	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0658	KAFB-106032-WG-GW0658-REG	12 JUL 2012	16:05	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
19	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0659	KAFB-106033-WG-GW0659-REG	12 JUL 2012	13:04	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0659-MS	KAFB-106033-WG-GW0659-MS-MS	12 JUL 2012	13:04	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

1207067

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
20	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0659-MSD	KAFB-106033-WG-GW0659-MSD-MSD	12 JUL 2012	13:04	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
21	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
22	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
21	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0660	KAFB-106034-WG-GW0660-REG	12 JUL 2012	10:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
23	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
24	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
23	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0701	KAFB-106071-WG-GW0701-REG	11 JUL 2012	15:33	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
25	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		

1207067

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW213

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
25	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
26	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
25	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0702	KAFB-106071-WG-GW0702-FD	11 JUL 2012	15:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
27	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
28	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
27	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0727	KAFB-106094-WG-GW0727-REG	11 JUL 2012	9:46	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
29	GW8213-TB	FIELDQC-BW-GW8213-TB-TB	11 JUL 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 07/13/12 @ 0830

WO# 1207067

1. Tracking # 8380 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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_ 07/13/12 @ 0830

1. Tracking #_8390_(last 4 digits, FedEx) WO# 1207067

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 20 *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-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) JB

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_ 07/13/12 @ 0830

1. Tracking # 8405 (last 4 digits, FedEx) WO# 1207067

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius + correction factor - 0.2* = 1.0

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

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

If yes, how many and where: 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_ 07/13/12 @ 0830

1. Tracking #_8416_(last 4 digits, FedEx) WO# 1207067

Courier: ___FED-EX

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

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

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

If yes, how many and where: 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 # 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_ 07/13/12 @ 0830

1. Tracking # 8427 (last 4 digits, FedEx) WO# 1207067

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 07/13/12 @ 0830

1. Tracking #_8438_____(last 4 digits, FedEx) WO# 1207067

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.8 Degrees Celsius + correction factor - 0.2 = 2.6 ~~2.6~~ 7/13/12

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 # 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:

Cooler Received/Opened On_ 07/13/12 @ 0830

1. Tracking # 8449 (last 4 digits, FedEx) WO# 1207067

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: 2-FRONT, BACK

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...(NA) If multiple coolers, sequence # 7

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_ 07/13/12 @ 0830

1. Tracking #_8450_(last 4 digits, FedEx) WO# 1207067

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 8

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_ 07/13/12 @ 0830

1. Tracking # 8460 (last 4 digits, FedEx) WO# 1207067

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: 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) 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 # 9

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: 7/16/2012 12:07:51PM

1207051

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: 08/03/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 07/11/2012 08:25
Logged In By: Jack Deville
Date Logged In: 07/11/2012 14:33

Samples Received at: **0.2°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1207051-01 GW0668 [Water] Sampled 07/10/2012 12:54 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/07/2012 13:54	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/07/2012 13:54	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/07/2012 13:54	
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/24/2012 13:54	carb/bicarb
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/24/2012 13:54	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/24/2012 13:54	
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/17/2012 13:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/17/2012 13:54	
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/06/2013 13:54	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/17/2012 13:54	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/24/2012 13:54	Run dilutions based on 8260 results!
1207051-02 GW0668 [Water] Sampled 07/10/2012 12:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/06/2013 13:54	Fe & Mn

1207051

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
1207051-03 GW0669 [Water] Sampled 07/10/2012 12:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/06/2013 13:54	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/07/2012 13:54	
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/24/2012 13:54	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/24/2012 13:54	
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/17/2012 13:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/17/2012 13:54	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/07/2012 13:54	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/24/2012 13:54	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/07/2012 13:54	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/17/2012 13:54	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/24/2012 13:54	Run dilutions based on 8260 results!
1207051-04 GW0669 [Water] Sampled 07/10/2012 12:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/06/2013 13:54	Fe & Mn
1207051-05 GW0670 [Water] Sampled 07/10/2012 10:54 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/07/2012 11:54	
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/24/2012 11:54	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/24/2012 11:54	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/07/2012 11:54	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/07/2012 11:54	Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/17/2012 11:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/06/2013 11:54	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/17/2012 11:54	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/24/2012 11:54	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/17/2012 11:54	
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/24/2012 11:54	
1207051-06 GW0670 [Water] Sampled 07/10/2012 10:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/06/2013 11:54	Fe & Mn

1207051

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
1207051-07 GW0714 [Water] Sampled 07/09/2012 16:41 Mountain 'Client Sample'					
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/16/2012 17:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/23/2012 17:41	
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 17:41	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/23/2012 17:41	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/05/2013 17:41	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/16/2012 17:41	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/23/2012 17:41	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/06/2012 17:41	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/06/2012 17:41	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/06/2012 17:41	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/16/2012 17:41	
1207051-08 GW0714 [Water] Sampled 07/09/2012 16:41 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/05/2013 17:41	Fe & Mn
1207051-09 GW0715 [Water] Sampled 07/09/2012 14:21 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/05/2013 15:21	MS/MSD, Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/23/2012 15:21	MS/MSD
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/16/2012 15:21	MS/MSD
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/06/2012 15:21	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/06/2012 15:21	MS/MSD, Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/16/2012 15:21	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/16/2012 15:21	MS/MSD
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 15:21	MS/MSD naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/23/2012 15:21	MS/MSD, carb/bicarb
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/23/2012 15:21	MS/MSD, Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/06/2012 15:21	MS/MSD
1207051-10 GW0715 [Water] Sampled 07/09/2012 14:21 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/05/2013 15:21	MS/MSD, Fe & Mn

1207051

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
1207051-11 GW0716 [Water] Sampled 07/09/2012 11:55 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/06/2012 12:55	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/06/2012 12:55	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/06/2012 12:55	
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/23/2012 12:55	carb/bicarb
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 12:55	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/23/2012 12:55	
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/16/2012 12:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/23/2012 12:55	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/05/2013 12:55	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/16/2012 12:55	
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/16/2012 12:55	
1207051-12 GW0716 [Water] Sampled 07/09/2012 11:55 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/05/2013 12:55	Fe & Mn
1207051-13 GW0720 [Water] Sampled 07/09/2012 16:53 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/05/2013 17:53	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 17:53	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/23/2012 17:53	
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/16/2012 17:53	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/16/2012 17:53	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/23/2012 17:53	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/06/2012 17:53	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/06/2012 17:53	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/06/2012 17:53	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/16/2012 17:53	
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/23/2012 17:53	carb/bicarb
1207051-14 GW0720 [Water] Sampled 07/09/2012 16:53 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/05/2013 17:53	Fe & Mn

1207051

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
1207051-15 GW0721 [Water] Sampled 07/09/2012 14:41 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/06/2012 15:41	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/16/2012 15:41	
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/23/2012 15:41	carb/bicarb
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 15:41	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/06/2012 15:41	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/06/2012 15:41	
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/05/2013 15:41	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/23/2012 15:41	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/16/2012 15:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/23/2012 15:41	
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/16/2012 15:41	
1207051-16 GW0721 [Water] Sampled 07/09/2012 14:41 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/05/2013 15:41	Fe & Mn
1207051-17 GW0722 [Water] Sampled 07/09/2012 12:23 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/16/2012 13:23	
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/06/2012 13:23	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/06/2012 13:23	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/06/2012 13:23	
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/23/2012 13:23	carb/bicarb
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 13:23	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/16/2012 13:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/16/2012 13:23	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/23/2012 13:23	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/05/2013 13:23	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/23/2012 13:23	
1207051-18 GW0722 [Water] Sampled 07/09/2012 12:23 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/05/2013 13:23	Fe & Mn

1207051

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
1207051-19 GW0729 [Water] Sampled 07/10/2012 11:17 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	07/27/2012 14:00	15	07/17/2012 12:17	
SW8011	SGC_EDB_8011	07/27/2012 14:00	15	07/24/2012 12:17	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	07/27/2012 14:00	15	07/17/2012 12:17	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/27/2012 14:00	15	07/24/2012 12:17	
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/24/2012 12:17	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	07/27/2012 14:00	15	07/24/2012 12:17	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/27/2012 14:00	15	08/07/2012 12:17	
E300.0	WC_ANIONS_300.0 (Regular)	07/27/2012 14:00	15	08/07/2012 12:17	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/27/2012 14:00	15	08/07/2012 12:17	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/27/2012 14:00	15	07/17/2012 12:17	
SW6010B	MET_ICP_6010B_FULL	07/27/2012 14:00	15	01/06/2013 12:17	Ca, Pb, K, Na, Mg
1207051-20 GW0729 [Water] Sampled 07/10/2012 11:17 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/27/2012 14:00	15	01/06/2013 12:17	Fe & Mn
1207051-21 GW8212-TB [Water] Sampled 07/09/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	07/27/2012 14:00	15	07/23/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 7/16/2012 12:16:24PM

1207067

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: 08/03/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 07/13/2012 08:30
Logged In By: Jack Deville
Date Logged In: 07/13/2012 11:43

Samples Received at: **1.9°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1207067-01 GW630 [Water] Sampled 07/11/2012 10:08 Mountain 'Client Sample'					
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/18/2012 11:08	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/08/2012 11:08	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/25/2012 11:08	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/25/2012 11:08	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/07/2013 11:08	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/18/2012 11:08	
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/08/2012 11:08	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/08/2012 11:08	Cl, SO4
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/25/2012 11:08	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/18/2012 11:08	
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 11:08	naphthalene must be reported
1207067-02 GW630 [Water] Sampled 07/11/2012 10:08 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/07/2013 11:08	Fe & Mn

1207067

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
1207067-03 GW635 [Water] Sampled 07/11/2012 12:26 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/18/2012 13:26	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/25/2012 13:26	carb/bicarb
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 13:26	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/25/2012 13:26	
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/18/2012 13:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/25/2012 13:26	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/08/2012 13:26	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/08/2012 13:26	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/18/2012 13:26	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/07/2013 13:26	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/08/2012 13:26	
1207067-04 GW635 [Water] Sampled 07/11/2012 12:26 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/07/2013 13:26	Fe & Mn
1207067-05 GW644 [Water] Sampled 07/12/2012 10:58 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 11:58	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 11:58	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 11:58	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 11:58	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 11:58	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 11:58	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 11:58	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 11:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 11:58	
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 11:58	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 11:58	carb/bicarb
1207067-06 GW644 [Water] Sampled 07/12/2012 10:58 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 11:58	Fe & Mn

1207067

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
1207067-07 GW645 [Water] Sampled 07/12/2012 13:37 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 14:37	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 14:37	
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 14:37	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 14:37	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 14:37	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 14:37	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 14:37	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 14:37	
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 14:37	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 14:37	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 14:37	carb/bicarb
1207067-08 GW645 [Water] Sampled 07/12/2012 13:37 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 14:37	Fe & Mn
1207067-09 GW646 [Water] Sampled 07/12/2012 13:31 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 14:31	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 14:31	carb/bicarb
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 14:31	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 14:31	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 14:31	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 14:31	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 14:31	
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 14:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 14:31	
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 14:31	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 14:31	Ca, Pb, K, Na, Mg
1207067-10 GW646 [Water] Sampled 07/12/2012 13:31 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 14:31	Fe & Mn

1207067

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
1207067-11 GW647 [Water] Sampled 07/12/2012 16:08 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 17:08	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 17:08	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 17:08	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 17:08	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 17:08	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 17:08	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 17:08	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 17:08	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 17:08	carb/bicarb
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 17:08	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 17:08	
1207067-12 GW647 [Water] Sampled 07/12/2012 16:08 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 17:08	Fe & Mn
1207067-13 GW651 [Water] Sampled 07/11/2012 15:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/07/2013 16:32	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/18/2012 16:32	
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/18/2012 16:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/25/2012 16:32	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/18/2012 16:32	
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/08/2012 16:32	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/08/2012 16:32	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/08/2012 16:32	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/25/2012 16:32	carb/bicarb
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 16:32	naphthalene must be reported
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/25/2012 16:32	Run dilutions based on 8260 results!
1207067-14 GW651 [Water] Sampled 07/11/2012 15:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/07/2013 16:32	Fe & Mn

1207067

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
1207067-15 GW652 [Water] Sampled 07/10/2012 16:12 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/07/2012 17:12	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/24/2012 17:12	carb/bicarb
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/24/2012 17:12	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/24/2012 17:12	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/17/2012 17:12	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/24/2012 17:12	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/17/2012 17:12	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/07/2012 17:12	Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/17/2012 17:12	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/07/2012 17:12	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/06/2013 17:12	Ca, Pb, K, Na, Mg
1207067-16 GW652 [Water] Sampled 07/10/2012 16:12 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/06/2013 17:12	Fe & Mn
1207067-17 GW658 [Water] Sampled 07/12/2012 16:05 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 17:05	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 17:05	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 17:05	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 17:05	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 17:05	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 17:05	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 17:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 17:05	
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 17:05	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 17:05	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 17:05	Cl, SO4
1207067-18 GW658 [Water] Sampled 07/12/2012 16:05 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 17:05	Fe & Mn

1207067

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
1207067-19 GW659 [Water] Sampled 07/12/2012 13:04 Mountain 'Client Sample'					**MS/MSD**
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 14:04	MS/MSD, Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 14:04	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 14:04	MS/MSD
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 14:04	MS/MSD
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 14:04	MS/MSD, naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 14:04	MS/MSD
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 14:04	MS/MSD
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 14:04	MS/MSD
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 14:04	MS/MSD, carb/bicarb
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 14:04	MS/MSD, Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 14:04	MS/MSD, Run dilutions based on 8260 results!
1207067-20 GW659 [Water] Sampled 07/12/2012 13:04 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 14:04	MS/MSD, Fe & Mn
1207067-21 GW660 [Water] Sampled 07/12/2012 10:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/08/2013 11:32	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/19/2012 11:32	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/26/2012 11:32	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/09/2012 11:32	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/09/2012 11:32	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/09/2012 11:32	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/26/2012 11:32	carb/bicarb
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/26/2012 11:32	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/26/2012 11:32	
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/19/2012 11:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/19/2012 11:32	
1207067-22 GW660 [Water] Sampled 07/12/2012 10:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/08/2013 11:32	Fe & Mn

1207067

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
1207067-23 GW701 [Water] Sampled 07/11/2012 15:33 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/18/2012 16:33	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/25/2012 16:33	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/18/2012 16:33	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/25/2012 16:33	
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 16:33	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/25/2012 16:33	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/08/2012 16:33	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/08/2012 16:33	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/08/2012 16:33	
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/18/2012 16:33	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/07/2013 16:33	Ca, Pb, K, Na, Mg
1207067-24 GW701 [Water] Sampled 07/11/2012 15:33 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/07/2013 16:33	Fe & Mn
1207067-25 GW702 [Water] Sampled 07/11/2012 15:33 Mountain 'Field Duplicate'					
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/25/2012 16:33	
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/07/2013 16:33	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 16:33	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/18/2012 16:33	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/18/2012 16:33	
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/08/2012 16:33	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/08/2012 16:33	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/08/2012 16:33	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/25/2012 16:33	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/18/2012 16:33	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/25/2012 16:33	carb/bicarb
1207067-26 GW702 [Water] Sampled 07/11/2012 15:33 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/07/2013 16:33	Fe & Mn

1207067

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
1207067-27 GW727 [Water] Sampled 07/11/2012 09:46 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	07/31/2012 14:00	15	01/07/2013 10:46	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 10:46	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	07/31/2012 14:00	15	08/08/2012 10:46	
E300.0	WC_ANIONS_300.0 (Regular)	07/31/2012 14:00	15	08/08/2012 10:46	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	07/31/2012 14:00	15	08/08/2012 10:46	
SM2320B	WC_ALKALINITY_2320B	07/31/2012 14:00	15	07/25/2012 10:46	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	07/31/2012 14:00	15	07/18/2012 10:46	
SW8015B GRO	VGC_GRO_8015B	07/31/2012 14:00	15	07/25/2012 10:46	
SW8270D	SMS_BNA_8270D_3510_REG	07/31/2012 14:00	15	07/18/2012 10:46	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	07/31/2012 14:00	15	07/18/2012 10:46	
SW8011	SGC_EDB_8011	07/31/2012 14:00	15	07/25/2012 10:46	Run dilutions based on 8260 results!
1207067-28 GW727 [Water] Sampled 07/11/2012 09:46 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	07/31/2012 14:00	15	01/07/2013 10:46	Fe & Mn
1207067-29 GW8213-TB [Water] Sampled 07/11/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	07/31/2012 14:00	15	07/25/2012 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_056

QC LEVEL: Level IV
Report Due: 8/1/2012 - 8/3/2012
Client Sample Count: 46

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B	SW8011	SW8015B DRO
Client Sample	7/10/2012	7/11/2012	1207051-01	GW0668	Water	X	X	X	X	X	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-02	GW0668	Water						X		
Client Sample	7/10/2012	7/11/2012	1207051-03	GW0669	Water	X	X	X	X	X	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-04	GW0669	Water						X		
Client Sample	7/10/2012	7/11/2012	1207051-05	GW0670	Water	X	X	X	X	X	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-06	GW0670	Water						X		
Client Sample	7/9/2012	7/11/2012	1207051-07	GW0714	Water	X	X	X	X	X	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-08	GW0714	Water						X		
Client Sample	7/9/2012	7/11/2012	1207051-09	GW0715	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/9/2012	7/11/2012	1207051-10	GW0715	Water						MS/MSD		
Client Sample	7/9/2012	7/11/2012	1207051-11	GW0716	Water	X	X	X	X	X	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-12	GW0716	Water						X		
Client Sample	7/9/2012	7/11/2012	1207051-13	GW0720	Water	X	X	X	X	X	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-14	GW0720	Water						X		
Client Sample	7/9/2012	7/11/2012	1207051-15	GW0721	Water	X	X	X	X	X	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-16	GW0721	Water						X		
Client Sample	7/9/2012	7/11/2012	1207051-17	GW0722	Water	X	X	X	X	X	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-18	GW0722	Water						X		
Client Sample	7/10/2012	7/11/2012	1207051-19	GW0729	Water	X	X	X	X	X	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-20	GW0729	Water						X		
Trip Blank	7/9/2012	7/11/2012	1207051-21	GW8212-TB	Water								
Client Sample	7/11/2012	7/13/2012	1207067-01	GW0630	Water	X	X	X	X	X	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-02	GW0630	Water						X		
Client Sample	7/11/2012	7/13/2012	1207067-03	GW0635	Water	X	X	X	X	X	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-04	GW0635	Water						X		
Client Sample	7/12/2012	7/13/2012	1207067-05	GW0644	Water	X	X	X	X	X	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-06	GW0644	Water						X		
Client Sample	7/12/2012	7/13/2012	1207067-07	GW0645	Water	X	X	X	X	X	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-08	GW0645	Water						X		
Client Sample	7/12/2012	7/13/2012	1207067-09	GW0646	Water	X	X	X	X	X	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-10	GW0646	Water						X		
Client Sample	7/12/2012	7/13/2012	1207067-11	GW0647	Water	X	X	X	X	X	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-12	GW0647	Water						X		
Client Sample	7/11/2012	7/13/2012	1207067-13	GW0651	Water	X	X	X	X	X	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-14	GW0651	Water						X		
Client Sample	7/10/2012	7/13/2012	1207067-15	GW0652	Water	X	X	X	X	X	X	X	X
Client Sample	7/10/2012	7/13/2012	1207067-16	GW0652	Water						X		
Client Sample	7/12/2012	7/13/2012	1207067-17	GW0658	Water	X	X	X	X	X	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-18	GW0658	Water						X		
Client Sample	7/12/2012	7/13/2012	1207067-19	GW0659	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/12/2012	7/13/2012	1207067-20	GW0659	Water						MS/MSD		
Client Sample	7/12/2012	7/13/2012	1207067-21	GW0660	Water	X	X	X	X	X	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-22	GW0660	Water						X		
Client Sample	7/11/2012	7/13/2012	1207067-23	GW0701	Water	X	X	X	X	X	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-24	GW0701	Water						X		
Field Duplicate	7/11/2012	7/13/2012	1207067-25	GW0702	Water	X	X	X	X	X	X	X	X
Field Duplicate	7/11/2012	7/13/2012	1207067-26	GW0702	Water						X		
Client Sample	7/11/2012	7/13/2012	1207067-27	GW0727	Water	X	X	X	X	X	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-28	GW0727	Water						X		
Trip Blank	7/11/2012	7/13/2012	1207067-29	GW8213-TB	Water								

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	SW8015B GRO	SW8260B	SW8270D
Client Sample	7/10/2012	7/11/2012	1207051-01	GW0668	Water	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-02	GW0668	Water			
Client Sample	7/10/2012	7/11/2012	1207051-03	GW0669	Water	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-04	GW0669	Water			
Client Sample	7/10/2012	7/11/2012	1207051-05	GW0670	Water	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-06	GW0670	Water			
Client Sample	7/9/2012	7/11/2012	1207051-07	GW0714	Water	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-08	GW0714	Water			
Client Sample	7/9/2012	7/11/2012	1207051-09	GW0715	Water	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/9/2012	7/11/2012	1207051-10	GW0715	Water			
Client Sample	7/9/2012	7/11/2012	1207051-11	GW0716	Water	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-12	GW0716	Water			
Client Sample	7/9/2012	7/11/2012	1207051-13	GW0720	Water	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-14	GW0720	Water			
Client Sample	7/9/2012	7/11/2012	1207051-15	GW0721	Water	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-16	GW0721	Water			
Client Sample	7/9/2012	7/11/2012	1207051-17	GW0722	Water	X	X	X
Client Sample	7/9/2012	7/11/2012	1207051-18	GW0722	Water			
Client Sample	7/10/2012	7/11/2012	1207051-19	GW0729	Water	X	X	X
Client Sample	7/10/2012	7/11/2012	1207051-20	GW0729	Water			
Trip Blank	7/9/2012	7/11/2012	1207051-21	GW8212-TB	Water		X	
Client Sample	7/11/2012	7/13/2012	1207067-01	GW0630	Water	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-02	GW0630	Water			
Client Sample	7/11/2012	7/13/2012	1207067-03	GW0635	Water	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-04	GW0635	Water			
Client Sample	7/12/2012	7/13/2012	1207067-05	GW0644	Water	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-06	GW0644	Water			
Client Sample	7/12/2012	7/13/2012	1207067-07	GW0645	Water	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-08	GW0645	Water			
Client Sample	7/12/2012	7/13/2012	1207067-09	GW0646	Water	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-10	GW0646	Water			
Client Sample	7/12/2012	7/13/2012	1207067-11	GW0647	Water	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-12	GW0647	Water			
Client Sample	7/11/2012	7/13/2012	1207067-13	GW0651	Water	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-14	GW0651	Water			
Client Sample	7/10/2012	7/13/2012	1207067-15	GW0652	Water	X	X	X
Client Sample	7/10/2012	7/13/2012	1207067-16	GW0652	Water			
Client Sample	7/12/2012	7/13/2012	1207067-17	GW0658	Water	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-18	GW0658	Water			
Client Sample	7/12/2012	7/13/2012	1207067-19	GW0659	Water	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/12/2012	7/13/2012	1207067-20	GW0659	Water			
Client Sample	7/12/2012	7/13/2012	1207067-21	GW0660	Water	X	X	X
Client Sample	7/12/2012	7/13/2012	1207067-22	GW0660	Water			
Client Sample	7/11/2012	7/13/2012	1207067-23	GW0701	Water	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-24	GW0701	Water			
Field Duplicate	7/11/2012	7/13/2012	1207067-25	GW0702	Water	X	X	X
Field Duplicate	7/11/2012	7/13/2012	1207067-26	GW0702	Water			
Client Sample	7/11/2012	7/13/2012	1207067-27	GW0727	Water	X	X	X
Client Sample	7/11/2012	7/13/2012	1207067-28	GW0727	Water			
Trip Blank	7/11/2012	7/13/2012	1207067-29	GW8213-TB	Water		X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01	File ID:	0705101.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 11:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01	File ID:	0705101.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 11:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	29.73	99.1	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	29.91	99.7	70 - 120	
Toluene-d8	30.00	29.47	98.2	85 - 120	

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	0705103.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 12:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5.88	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	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)	0.260	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	0.330	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

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	0705103.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 12:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	29.24	97.5	75 - 120	
Dibromofluoromethane	30.00	31.81	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.03	103	70 - 120	
Toluene-d8	30.00	28.76	95.9	85 - 120	

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	0705105.D
Sampled:	07/10/12 10:54	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 12:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	0705105.D
Sampled:	07/10/12 10:54	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 12:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.27	97.6	75 - 120	
Dibromofluoromethane	30.00	32.83	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.98	107	70 - 120	
Toluene-d8	30.00	29.18	97.3	85 - 120	

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	0705107D.D
Sampled:	07/09/12 16:41	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 09:37
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		12.5	25.0	50.0	U
71-43-2	Benzene	1.25	1.25	2.50	5.00	J, D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	X, 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

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	0705107D.D
Sampled:	07/09/12 16:41	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 09:37
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	X, U
98-82-8	Isopropylbenzene	10.7	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	X, U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	3.05	1.25	2.50	5.00	J, D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	6.95	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	18.1	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	81.4	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.75	99.2	75 - 120	
Dibromofluoromethane	30.00	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.86	99.5	70 - 120	
Toluene-d8	30.00	29.05	96.8	85 - 120	

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09	File ID:	705109D2.D
Sampled:	07/09/12 14:21	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 10:43
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	37.7	12.5	25.0	50.0	J, D
71-43-2	Benzene	3.80	1.25	2.50	5.00	J, D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene	2.85	1.25	2.50	5.00	J, D
78-93-3	2-Butanone		12.5	25.0	50.0	X, U
135-98-8	sec-Butylbenzene	3.75	1.25	2.50	5.00	J, D
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	N, 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	2.85	1.25	2.50	5.00	J, D
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	5.00	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09	File ID:	705109D2.D
Sampled:	07/09/12 14:21	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 10:43
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	N, X, U
98-82-8	Isopropylbenzene	39.6	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	2.25	1.25	2.50	5.00	J, D
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	1.60	1.25	2.50	10.0	J, D
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	N, X, U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	22.8	1.25	2.50	5.00	D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	19.4	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	30.8	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	91.8	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.74	95.8	75 - 120	
Dibromofluoromethane	30.00	31.32	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.09	97.0	70 - 120	
Toluene-d8	30.00	28.90	96.3	85 - 120	

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	0705111.D
Sampled:	07/09/12 11:55	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 13:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	0705111.D
Sampled:	07/09/12 11:55	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 13:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	29.12	97.1	75 - 120	
Dibromofluoromethane	30.00	31.27	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.97	103	70 - 120	
Toluene-d8	30.00	28.71	95.7	85 - 120	

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	0705113.D
Sampled:	07/09/12 16:53	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 13:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	0705113.D
Sampled:	07/09/12 16:53	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 13:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene	0.540	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	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	28.46	94.9	75 - 120	
Dibromofluoromethane	30.00	32.18	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.16	101	70 - 120	
Toluene-d8	30.00	28.78	95.9	85 - 120	

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	0705115.D
Sampled:	07/09/12 14:41	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 14:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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)	0.390	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	0705115.D
Sampled:	07/09/12 14:41	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 14:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	29.11	97.0	75 - 120	
Dibromofluoromethane	30.00	31.37	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.30	101	70 - 120	
Toluene-d8	30.00	28.85	96.2	85 - 120	

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	0705117.D
Sampled:	07/09/12 12:23	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 14:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	0705117.D
Sampled:	07/09/12 12:23	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 14:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	28.29	94.3	75 - 120	
Dibromofluoromethane	30.00	32.70	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.86	103	70 - 120	
Toluene-d8	30.00	28.59	95.3	85 - 120	

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	0705119.D
Sampled:	07/10/12 11:17	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 15:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	0705119.D
Sampled:	07/10/12 11:17	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 15:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	29.44	98.1	75 - 120	
Dibromofluoromethane	30.00	32.30	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.94	106	70 - 120	
Toluene-d8	30.00	29.19	97.3	85 - 120	

ANALYSIS DATA SHEET

GW8212-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-21	File ID:	0705121.D
Sampled:	07/09/12 08:00	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 09:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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

GW8212-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-21	File ID:	0705121.D
Sampled:	07/09/12 08:00	Prepared:	07/13/12 00:00	Analyzed:	07/13/12 09:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	28.42	94.7	75 - 120	
Dibromofluoromethane	30.00	31.37	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.84	103	70 - 120	
Toluene-d8	30.00	28.29	94.3	85 - 120	

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	0706701.D
Sampled:	07/11/12 10:08	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 14:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	2.38	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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	0.340	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	0706701.D
Sampled:	07/11/12 10:08	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 14:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	0.560	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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.930	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	0.290	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	3.28	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.53	98.4	75 - 120	
Dibromofluoromethane	30.00	32.82	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.64	105	70 - 120	
Toluene-d8	30.00	28.39	94.6	85 - 120	

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	0706703.D
Sampled:	07/11/12 12:26	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 14:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, 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	0.970	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	0706703.D
Sampled:	07/11/12 12:26	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 14:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene	0.360	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	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.63	98.8	75 - 120	
Dibromofluoromethane	30.00	33.21	111	85 - 115	
1,2-Dichloroethane-d4	30.00	30.21	101	70 - 120	
Toluene-d8	30.00	29.60	98.7	85 - 120	

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05RE1	File ID:	070675R.D
Sampled:	07/12/12 10:58	Prepared:	07/23/12 00:00	Analyzed:	07/23/12 11:34
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G23013 Sequence: 2G20603 Calibration: 2191002 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	0.950	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	0.760	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	1.70	0.250	0.500	1.00	
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.26	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05RE1	File ID:	070675R.D
Sampled:	07/12/12 10:58	Prepared:	07/23/12 00:00	Analyzed:	07/23/12 11:34
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G23013 Sequence: 2G20603 Calibration: 2191002 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	7.51	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.410	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	0.900	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	0.410	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	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	30.73	102	75 - 120	
Dibromofluoromethane	30.00	33.04	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.17	107	70 - 120	
Toluene-d8	30.00	28.62	95.4	85 - 120	

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	0706707.D
Sampled:	07/12/12 13:37	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 15:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	0.470	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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene	0.260	0.250	0.500	1.00	J
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.410	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.610	0.250	0.500	1.00	X, 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	0.350	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	0706707.D
Sampled:	07/12/12 13:37	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 15:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	4.16	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	0.920	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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	0.300	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	32.22	107	75 - 120	
Dibromofluoromethane	30.00	32.66	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	30.16	101	85 - 120	

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	0706709.D
Sampled:	07/12/12 13:31	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 16:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	0.470	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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene	0.260	0.250	0.500	1.00	J
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.410	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.530	0.250	0.500	1.00	X, 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	0.320	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	0706709.D
Sampled:	07/12/12 13:31	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 16:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	3.86	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	0.950	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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	0.330	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.44	105	75 - 120	
Dibromofluoromethane	30.00	33.61	112	85 - 115	
1,2-Dichloroethane-d4	30.00	31.99	107	70 - 120	
Toluene-d8	30.00	30.31	101	85 - 120	

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	0706711.D
Sampled:	07/12/12 16:08	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 16:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	0.760	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	0706711.D
Sampled:	07/12/12 16:08	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 16:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	6.00	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.300	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	0.490	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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	32.20	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.20	104	70 - 120	
Toluene-d8	30.00	29.74	99.1	85 - 120	

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	0706713.D
Sampled:	07/11/12 15:32	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 17:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	0706713.D
Sampled:	07/11/12 15:32	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 17:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	30.83	103	75 - 120	
Dibromofluoromethane	30.00	32.70	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.76	106	70 - 120	
Toluene-d8	30.00	30.24	101	85 - 120	

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	0706715.D
Sampled:	07/10/12 16:12	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 17:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	0706715.D
Sampled:	07/10/12 16:12	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 17:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.48	102	75 - 120	
Dibromofluoromethane	30.00	33.22	111	85 - 115	
1,2-Dichloroethane-d4	30.00	31.77	106	70 - 120	
Toluene-d8	30.00	29.91	99.7	85 - 120	

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	0706717.D
Sampled:	07/12/12 16:05	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 18:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	0706717.D
Sampled:	07/12/12 16:05	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 18:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.70	102	75 - 120	
Dibromofluoromethane	30.00	32.76	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.06	107	70 - 120	
Toluene-d8	30.00	30.15	100	85 - 120	

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	0706719.D
Sampled:	07/12/12 13:04	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 18:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, N, 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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	0706719.D
Sampled:	07/12/12 13:04	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 18:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, N, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	32.70	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.91	110	70 - 120	
Toluene-d8	30.00	30.41	101	85 - 120	

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21	File ID:	0706721.D
Sampled:	07/12/12 10:32	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 18:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21	File ID:	0706721.D
Sampled:	07/12/12 10:32	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 18:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	30.28	101	75 - 120	
Dibromofluoromethane	30.00	32.42	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.18	104	70 - 120	
Toluene-d8	30.00	29.79	99.3	85 - 120	

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23	File ID:	0706723.D
Sampled:	07/11/12 15:33	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 19:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23	File ID:	0706723.D
Sampled:	07/11/12 15:33	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 19:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.21	101	75 - 120	
Dibromofluoromethane	30.00	33.09	110	85 - 115	
1,2-Dichloroethane-d4	30.00	31.17	104	70 - 120	
Toluene-d8	30.00	29.74	99.1	85 - 120	

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25	File ID:	0706725.D
Sampled:	07/11/12 15:33	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 19:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25	File ID:	0706725.D
Sampled:	07/11/12 15:33	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 19:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	29.34	97.8	75 - 120	
Dibromofluoromethane	30.00	33.70	112	85 - 115	
1,2-Dichloroethane-d4	30.00	32.05	107	70 - 120	
Toluene-d8	30.00	29.65	98.8	85 - 120	

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27	File ID:	0706727D.D
Sampled:	07/11/12 09:46	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 20:25
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		12.5	25.0	50.0	U
71-43-2	Benzene	3.40	1.25	2.50	5.00	J, D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	X, U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	X, U
75-25-2	Bromoform		1.25	2.50	5.00	X, 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	3.45	1.25	2.50	5.00	J, D
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	X, 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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	X, U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	1.80	1.25	2.50	5.00	X, J, D
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	1.35	1.25	2.50	5.00	J, D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27	File ID:	0706727D.D
Sampled:	07/11/12 09:46	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 20:25
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	3.60	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	X, 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	X, 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	1.75	1.25	2.50	5.00	J, D
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	29.83	99.4	75 - 120	
Dibromofluoromethane	30.00	32.61	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.11	104	70 - 120	
Toluene-d8	30.00	29.26	97.5	85 - 120	

ANALYSIS DATA SHEET

GW8213-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-29	File ID:	0706729.D
Sampled:	07/11/12 08:00	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 13:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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

GW8213-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-29	File ID:	0706729.D
Sampled:	07/11/12 08:00	Prepared:	07/19/12 00:00	Analyzed:	07/19/12 13:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	30.03	100	75 - 120	
Dibromofluoromethane	30.00	33.26	111	85 - 115	
1,2-Dichloroethane-d4	30.00	31.18	104	70 - 120	
Toluene-d8	30.00	29.33	97.8	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19805	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G19805-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 07/13/12 06:45		
Bromofluorobenzene	30.00	102	80 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	80 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	96.7	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2G13004-BS1) ug/L				Lab File ID: 0712LCS1.D		Analyzed: 07/13/12 07:14		
Bromofluorobenzene	30.00	101	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	96.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2G13004-BLK1) ug/L				Lab File ID: 0712BLK1.D		Analyzed: 07/13/12 08:40		
Bromofluorobenzene	30.00	94.8	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW8212-TB (1207051-21) ug/L				Lab File ID: 0705121.D		Analyzed: 07/13/12 09:08		
Bromofluorobenzene	30.00	94.7	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	94.3	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0714 (1207051-07) ug/L				Lab File ID: 0705107D.D		Analyzed: 07/13/12 09:37		
Bromofluorobenzene	30.00	99.2	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.5	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	96.8	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0715 (1207051-09) ug/L				Lab File ID: 705109D2.D		Analyzed: 07/13/12 10:43		
Bromofluorobenzene	30.00	95.8	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.0	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.476	9.477	-0.0010	+/-1.000	
GW0668 (1207051-01) ug/L				Lab File ID: 0705101.D		Analyzed: 07/13/12 11:11		
Bromofluorobenzene	30.00	99.1	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	98.2	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19805	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0669 (1207051-03) ug/L				Lab File ID: 0705103.D		Analyzed: 07/13/12 12:19		
Bromofluorobenzene	30.00	97.5	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.9	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0670 (1207051-05) ug/L				Lab File ID: 0705105.D		Analyzed: 07/13/12 12:48		
Bromofluorobenzene	30.00	97.6	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	97.3	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0716 (1207051-11) ug/L				Lab File ID: 0705111.D		Analyzed: 07/13/12 13:17		
Bromofluorobenzene	30.00	97.1	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.7	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0720 (1207051-13) ug/L				Lab File ID: 0705113.D		Analyzed: 07/13/12 13:53		
Bromofluorobenzene	30.00	94.9	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.9	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0721 (1207051-15) ug/L				Lab File ID: 0705115.D		Analyzed: 07/13/12 14:22		
Bromofluorobenzene	30.00	97.0	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	96.2	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0722 (1207051-17) ug/L				Lab File ID: 0705117.D		Analyzed: 07/13/12 14:50		
Bromofluorobenzene	30.00	94.3	75 - 120	12.117	12.111	0.0060	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.3	85 - 120	9.476	9.477	-0.0010	+/-1.000	
GW0729 (1207051-19) ug/L				Lab File ID: 0705119.D		Analyzed: 07/13/12 15:19		
Bromofluorobenzene	30.00	98.1	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	97.3	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19805	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike (2G13004-MS1) ug/L				Lab File ID: 705109DM.D		Analyzed: 07/13/12 15:48		
Bromofluorobenzene	30.00	96.7	75 - 120	12.117	12.111	0.0060	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	92.2	85 - 120	9.476	9.477	-0.0010	+/-1.000	
Matrix Spike Dup (2G13004-MSD1) ug/L				Lab File ID: 705109DS.D		Analyzed: 07/13/12 16:26		
Bromofluorobenzene	30.00	99.3	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.9	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.1	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	94.7	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20204-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 07/19/12 11:09		
Bromofluorobenzene	30.00	107	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2G19928-BS1) ug/L				Lab File ID: 0719LCS1.D		Analyzed: 07/19/12 11:49		
Bromofluorobenzene	30.00	108	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	99.3	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2G19928-BLK1) ug/L				Lab File ID: 0719BLK1.D		Analyzed: 07/19/12 13:15		
Bromofluorobenzene	30.00	100	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	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	
GW8213-TB (1207067-29) ug/L				Lab File ID: 0706729.D		Analyzed: 07/19/12 13:44		
Bromofluorobenzene	30.00	100	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	97.8	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0630 (1207067-01) ug/L				Lab File ID: 0706701.D		Analyzed: 07/19/12 14:12		
Bromofluorobenzene	30.00	98.4	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	94.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0635 (1207067-03) ug/L				Lab File ID: 0706703.D		Analyzed: 07/19/12 14:41		
Bromofluorobenzene	30.00	98.8	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0645 (1207067-07) ug/L				Lab File ID: 0706707.D		Analyzed: 07/19/12 15:38		
Bromofluorobenzene	30.00	107	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0646 (1207067-09) ug/L				Lab File ID: 0706709.D		Analyzed: 07/19/12 16:07		
Bromofluorobenzene	30.00	105	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0647 (1207067-11) ug/L				Lab File ID: 0706711.D		Analyzed: 07/19/12 16:36		
Bromofluorobenzene	30.00	103	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	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	99.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0651 (1207067-13) ug/L				Lab File ID: 0706713.D		Analyzed: 07/19/12 17:04		
Bromofluorobenzene	30.00	103	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0652 (1207067-15) ug/L				Lab File ID: 0706715.D		Analyzed: 07/19/12 17:33		
Bromofluorobenzene	30.00	102	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	99.7	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0658 (1207067-17) ug/L				Lab File ID: 0706717.D		Analyzed: 07/19/12 18:02		
Bromofluorobenzene	30.00	102	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	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	
GW0659 (1207067-19) ug/L				Lab File ID: 0706719.D		Analyzed: 07/19/12 18:30		
Bromofluorobenzene	30.00	102	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	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	
GW0660 (1207067-21) ug/L				Lab File ID: 0706721.D		Analyzed: 07/19/12 18:59		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	99.3	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0701 (1207067-23) ug/L				Lab File ID: 0706723.D		Analyzed: 07/19/12 19:27		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	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	99.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0702 (1207067-25) ug/L				Lab File ID: 0706725.D		Analyzed: 07/19/12 19:56		
Bromofluorobenzene	30.00	97.8	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	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	
GW0727 (1207067-27) ug/L				Lab File ID: 0706727D.D		Analyzed: 07/19/12 20:25		
Bromofluorobenzene	30.00	99.4	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	97.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
Matrix Spike (2G19928-MS1) ug/L				Lab File ID: 0706719M.D		Analyzed: 07/19/12 20:53		
Bromofluorobenzene	30.00	106	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.0	85 - 120	9.477	9.477	0.0000	+/-1.000	
Matrix Spike Dup (2G19928-MSD1) ug/L				Lab File ID: 0706719S.D		Analyzed: 07/19/12 21:22		
Bromofluorobenzene	30.00	102	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	93.1	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20603	Instrument:	MS-VOA3
		Calibration:	2191002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20603-CCV1) ug/L				Lab File ID: SEQCCV2.D		Analyzed: 07/23/12 08:13		
Bromofluorobenzene	30.00	106	80 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.8	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2G23013-BS1) ug/L				Lab File ID: 0723LCS1.D		Analyzed: 07/23/12 08:42		
Bromofluorobenzene	30.00	102	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2G23013-BLK1) ug/L				Lab File ID: 0723BLK1.D		Analyzed: 07/23/12 10:08		
Bromofluorobenzene	30.00	103	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	115	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0644 (1207067-05RE1) ug/L				Lab File ID: 070675R.D		Analyzed: 07/23/12 11:34		
Bromofluorobenzene	30.00	102	75 - 120	12.111	12.111	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	95.4	85 - 120	9.477	9.477	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13004	Laboratory ID:	2G13004-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	117	117	40 - 140
Benzene	50.00	48.9	97.7	80 - 120
Bromobenzene	50.00	46.2	92.3	75 - 125
Bromochloromethane	50.00	48.4	96.8	65 - 130
Bromodichloromethane	50.00	49.6	99.1	75 - 120
Bromoform	50.00	49.1	98.2	70 - 130
Bromomethane	50.00	47.6	95.3	30 - 145
n-Butylbenzene	50.00	49.8	99.6	70 - 135
2-Butanone	100.0	120	120	30 - 150
sec-Butylbenzene	50.00	47.0	94.0	70 - 125
tert-Butylbenzene	50.00	46.5	93.0	70 - 130
Carbon disulfide	50.00	44.7	89.4	35 - 160
Carbon tetrachloride	50.00	48.5	97.0	65 - 140
Chlorobenzene	50.00	45.4	90.9	80 - 120
Chloroethane	50.00	51.2	102	60 - 135
Chloroform	50.00	48.0	96.1	65 - 135
Chloromethane	50.00	52.0	104	40 - 125
2-Chlorotoluene	50.00	48.6	97.2	75 - 125
4-Chlorotoluene	50.00	48.3	96.5	75 - 130
Dibromochloromethane	50.00	47.2	94.4	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.4	94.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.2	96.4	80 - 120
Dibromomethane	50.00	49.7	99.4	75 - 125
1,2-Dichlorobenzene	50.00	46.6	93.1	70 - 120
1,3-Dichlorobenzene	50.00	47.0	94.1	75 - 125
1,4-Dichlorobenzene	50.00	47.9	95.9	75 - 125
Dichlorodifluoromethane	50.00	49.8	99.6	30 - 155
1,1-Dichloroethane	50.00	50.0	99.9	70 - 135
1,2-Dichloroethane	50.00	50.7	101	70 - 130
1,1-Dichloroethene	50.00	41.2	82.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13004	Laboratory ID:	2G13004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.2	96.4	70 - 125
trans-1,2-Dichloroethene	50.00	46.3	92.6	60 - 140
1,2-Dichloropropane	50.00	53.2	106	75 - 125
1,3-Dichloropropane	50.00	49.5	99.1	75 - 125
2,2-Dichloropropane	50.00	50.0	100	70 - 135
1,1-Dichloropropene	50.00	47.3	94.6	75 - 130
cis-1,3-Dichloropropene	50.00	54.3	109	70 - 130
trans-1,3-Dichloropropene	50.00	50.5	101	55 - 140
Ethylbenzene	50.00	46.2	92.5	75 - 125
Hexachlorobutadiene	50.00	41.0	82.1	50 - 140
2-Hexanone	100.0	127	127	55 - 130
Isopropylbenzene	50.00	43.6	87.2	75 - 125
p-Isopropyltoluene	50.00	46.3	92.6	75 - 130
Methylene chloride	50.00	46.0	92.1	55 - 140
Naphthalene	50.00	48.6	97.3	55 - 140
4-Methyl-2-pentanone	100.0	127	127	60 - 135
Methyl t-Butyl Ether	50.00	51.8	104	65 - 125
n-Propylbenzene	50.00	47.3	94.7	70 - 130
Styrene	50.00	47.0	93.9	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.6	99.3	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.2	94.4	80 - 130
Tetrachloroethene	50.00	41.3	82.6	45 - 150
Toluene	50.00	46.4	92.9	75 - 120
1,2,3-Trichlorobenzene	50.00	46.1	92.3	55 - 140
1,2,4-Trichlorobenzene	50.00	45.9	91.9	65 - 135
1,1,2-Trichloroethane	50.00	52.0	104	75 - 125
1,1,1-Trichloroethane	50.00	48.2	96.4	65 - 130
Trichloroethene	50.00	48.1	96.2	70 - 125
Trichlorofluoromethane	50.00	45.6	91.1	60 - 145
1,2,3-Trichloropropane	50.00	49.9	99.8	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13004	Laboratory ID:	2G13004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	50.5	101	75 - 130
1,2,4-Trimethylbenzene	50.00	49.2	98.3	75 - 130
Vinyl chloride	50.00	52.1	104	50 - 145
Xylenes (total)	150.0	140	93.3	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19928	Laboratory ID:	2G19928-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	92.2	92.2	40 - 140
Benzene	50.00	51.2	102	80 - 120
Bromobenzene	50.00	51.0	102	75 - 125
Bromochloromethane	50.00	60.8	122	65 - 130
Bromodichloromethane	50.00	56.7	113	75 - 120
Bromoform	50.00	59.6	119	70 - 130
Bromomethane	50.00	46.2	92.4	30 - 145
n-Butylbenzene	50.00	46.9	93.8	70 - 135
2-Butanone	100.0	91.0	91.0	30 - 150
sec-Butylbenzene	50.00	48.1	96.1	70 - 125
tert-Butylbenzene	50.00	49.7	99.3	70 - 130
Carbon disulfide	50.00	43.6	87.2	35 - 160
Carbon tetrachloride	50.00	58.2	116	65 - 140
Chlorobenzene	50.00	53.5	107	80 - 120
Chloroethane	50.00	50.0	99.9	60 - 135
Chloroform	50.00	52.8	106	65 - 135
Chloromethane	50.00	48.7	97.5	40 - 125
2-Chlorotoluene	50.00	47.4	94.7	75 - 125
4-Chlorotoluene	50.00	47.1	94.3	75 - 130
Dibromochloromethane	50.00	59.7	119	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.2	98.5	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.9	110	80 - 120
Dibromomethane	50.00	53.7	107	75 - 125
1,2-Dichlorobenzene	50.00	52.3	105	70 - 120
1,3-Dichlorobenzene	50.00	51.7	103	75 - 125
1,4-Dichlorobenzene	50.00	51.9	104	75 - 125
Dichlorodifluoromethane	50.00	58.1	116	30 - 155
1,1-Dichloroethane	50.00	50.7	101	70 - 135
1,2-Dichloroethane	50.00	56.8	114	70 - 130
1,1-Dichloroethene	50.00	44.8	89.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19928	Laboratory ID:	2G19928-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	54.4	109	70 - 125
trans-1,2-Dichloroethene	50.00	51.2	102	60 - 140
1,2-Dichloropropane	50.00	53.8	108	75 - 125
1,3-Dichloropropane	50.00	51.9	104	75 - 125
2,2-Dichloropropane	50.00	53.7	107	70 - 135
1,1-Dichloropropene	50.00	48.9	97.8	75 - 130
cis-1,3-Dichloropropene	50.00	57.3	115	70 - 130
trans-1,3-Dichloropropene	50.00	53.5	107	55 - 140
Ethylbenzene	50.00	51.9	104	75 - 125
Hexachlorobutadiene	50.00	45.8	91.6	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	50.9	102	75 - 125
p-Isopropyltoluene	50.00	47.2	94.4	75 - 130
Methylene chloride	50.00	49.8	99.6	55 - 140
Naphthalene	50.00	51.4	103	55 - 140
4-Methyl-2-pentanone	100.0	104	104	60 - 135
Methyl t-Butyl Ether	50.00	54.2	108	65 - 125
n-Propylbenzene	50.00	44.9	89.9	70 - 130
Styrene	50.00	55.7	111	65 - 135
1,1,2,2-Tetrachloroethane	50.00	42.9	85.9	65 - 130
1,1,1,2-Tetrachloroethane	50.00	60.4	121	80 - 130
Tetrachloroethene	50.00	51.4	103	45 - 150
Toluene	50.00	50.4	101	75 - 120
1,2,3-Trichlorobenzene	50.00	51.1	102	55 - 140
1,2,4-Trichlorobenzene	50.00	51.2	102	65 - 135
1,1,2-Trichloroethane	50.00	55.1	110	75 - 125
1,1,1-Trichloroethane	50.00	56.6	113	65 - 130
Trichloroethene	50.00	54.6	109	70 - 125
Trichlorofluoromethane	50.00	53.0	106	60 - 145
1,2,3-Trichloropropane	50.00	57.1	114	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19928	Laboratory ID:	2G19928-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	51.8	104	75 - 130
1,2,4-Trimethylbenzene	50.00	50.4	101	75 - 130
Vinyl chloride	50.00	52.1	104	50 - 145
Xylenes (total)	150.0	157	105	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G23013	Laboratory ID:	2G23013-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	113	113	40 - 140
Benzene	50.00	50.3	101	80 - 120
Bromobenzene	50.00	47.5	95.1	75 - 125
Bromochloromethane	50.00	57.0	114	65 - 130
Bromodichloromethane	50.00	54.6	109	75 - 120
Bromoform	50.00	56.1	112	70 - 130
Bromomethane	50.00	45.7	91.4	30 - 145
n-Butylbenzene	50.00	45.0	90.0	70 - 135
2-Butanone	100.0	111	111	30 - 150
sec-Butylbenzene	50.00	45.6	91.2	70 - 125
tert-Butylbenzene	50.00	47.9	95.8	70 - 130
Carbon disulfide	50.00	44.5	88.9	35 - 160
Carbon tetrachloride	50.00	62.6	125	65 - 140
Chlorobenzene	50.00	49.5	99.1	80 - 120
Chloroethane	50.00	48.8	97.5	60 - 135
Chloroform	50.00	51.1	102	65 - 135
Chloromethane	50.00	45.3	90.6	40 - 125
2-Chlorotoluene	50.00	44.3	88.6	75 - 125
4-Chlorotoluene	50.00	43.8	87.6	75 - 130
Dibromochloromethane	50.00	54.9	110	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.1	100	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.2	102	80 - 120
Dibromomethane	50.00	53.0	106	75 - 125
1,2-Dichlorobenzene	50.00	49.4	98.8	70 - 120
1,3-Dichlorobenzene	50.00	48.1	96.2	75 - 125
1,4-Dichlorobenzene	50.00	48.6	97.1	75 - 125
Dichlorodifluoromethane	50.00	61.9	124	30 - 155
1,1-Dichloroethane	50.00	50.4	101	70 - 135
1,2-Dichloroethane	50.00	56.3	113	70 - 130
1,1-Dichloroethene	50.00	47.5	95.0	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G23013	Laboratory ID:	2G23013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	52.0	104	70 - 125
trans-1,2-Dichloroethene	50.00	50.4	101	60 - 140
1,2-Dichloropropane	50.00	48.2	96.5	75 - 125
1,3-Dichloropropane	50.00	47.8	95.6	75 - 125
2,2-Dichloropropane	50.00	58.2	116	70 - 135
1,1-Dichloropropene	50.00	51.5	103	75 - 130
cis-1,3-Dichloropropene	50.00	56.0	112	70 - 130
trans-1,3-Dichloropropene	50.00	49.7	99.4	55 - 140
Ethylbenzene	50.00	48.3	96.6	75 - 125
Hexachlorobutadiene	50.00	44.7	89.4	50 - 140
2-Hexanone	100.0	112	112	55 - 130
Isopropylbenzene	50.00	49.3	98.5	75 - 125
p-Isopropyltoluene	50.00	46.5	93.1	75 - 130
Methylene chloride	50.00	46.9	93.9	55 - 140
Naphthalene	50.00	51.8	104	55 - 140
4-Methyl-2-pentanone	100.0	117	117	60 - 135
Methyl t-Butyl Ether	50.00	55.3	111	65 - 125
n-Propylbenzene	50.00	43.5	86.9	70 - 130
Styrene	50.00	51.3	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	42.3	84.6	65 - 130
1,1,1,2-Tetrachloroethane	50.00	56.5	113	80 - 130
Tetrachloroethene	50.00	50.7	101	45 - 150
Toluene	50.00	47.2	94.4	75 - 120
1,2,3-Trichlorobenzene	50.00	49.0	98.1	55 - 140
1,2,4-Trichlorobenzene	50.00	48.9	97.8	65 - 135
1,1,2-Trichloroethane	50.00	50.7	101	75 - 125
1,1,1-Trichloroethane	50.00	58.7	117	65 - 130
Trichloroethene	50.00	54.9	110	70 - 125
Trichlorofluoromethane	50.00	57.6	115	60 - 145
1,2,3-Trichloropropane	50.00	56.0	112	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G23013	Laboratory ID:	2G23013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	48.9	97.7	75 - 130
1,2,4-Trimethylbenzene	50.00	47.5	95.0	75 - 130
Vinyl chloride	50.00	51.3	103	50 - 145
Xylenes (total)	150.0	147	98.3	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13004

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	500.0	37.7	680	128		40 - 140
Benzene	250.0	3.80	265	104		80 - 120
Bromobenzene	250.0	ND	240	95.9		75 - 125
Bromochloromethane	250.0	ND	254	102		65 - 130
Bromodichloromethane	250.0	ND	277	111		75 - 120
Bromoform	250.0	ND	247	98.7		70 - 130
Bromomethane	250.0	ND	245	98.1		30 - 145
n-Butylbenzene	250.0	2.85	296	117		70 - 135
2-Butanone	500.0	ND	688	138		30 - 150
sec-Butylbenzene	250.0	3.75	277	109		70 - 125
tert-Butylbenzene	250.0	ND	270	108		70 - 130
Carbon disulfide	250.0	ND	276	110		35 - 160
Carbon tetrachloride	250.0	ND	297	119		65 - 140
Chlorobenzene	250.0	ND	236	94.2		80 - 120
Chloroethane	250.0	ND	277	111		60 - 135
Chloroform	250.0	ND	263	105		65 - 135
Chloromethane	250.0	ND	312	125		40 - 125
2-Chlorotoluene	250.0	ND	261	104		75 - 125
4-Chlorotoluene	250.0	ND	261	104		75 - 130
Dibromochloromethane	250.0	ND	239	95.7		60 - 135
1,2-Dibromo-3-chloropropane	250.0	ND	265	106		50 - 130
1,2-Dibromoethane (EDB)	250.0	ND	235	93.9		80 - 120
Dibromomethane	250.0	ND	257	103		75 - 125
1,2-Dichlorobenzene	250.0	ND	242	97.0		70 - 120
1,3-Dichlorobenzene	250.0	ND	251	100		75 - 125
1,4-Dichlorobenzene	250.0	ND	242	96.9		75 - 125
Dichlorodifluoromethane	250.0	ND	331	132		30 - 155
1,1-Dichloroethane	250.0	ND	276	110		70 - 135
1,2-Dichloroethane	250.0	2.85	277	110		70 - 130
1,1-Dichloroethene	250.0	ND	256	102		70 - 130
cis-1,2-Dichloroethene	250.0	ND	261	104		70 - 125
trans-1,2-Dichloroethene	250.0	ND	256	102		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13004

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	250.0	ND	275	110		75 - 125
1,3-Dichloropropane	250.0	ND	242	96.8		75 - 125
2,2-Dichloropropane	250.0	ND	283	113		70 - 135
1,1-Dichloropropene	250.0	ND	282	113		75 - 130
cis-1,3-Dichloropropene	250.0	ND	273	109		70 - 130
trans-1,3-Dichloropropene	250.0	ND	242	97.0		55 - 140
Ethylbenzene	250.0	5.00	248	97.4		75 - 125
Hexachlorobutadiene	250.0	ND	309	124		50 - 140
2-Hexanone	500.0	ND	637	127		55 - 130
Isopropylbenzene	250.0	39.6	282	97.1		75 - 125
p-Isopropyltoluene	250.0	2.25	272	108		75 - 130
Methylene chloride	250.0	ND	247	98.7		55 - 140
Naphthalene	250.0	1.60	258	102		55 - 140
4-Methyl-2-pentanone	500.0	ND	702	140	*	60 - 135
Methyl t-Butyl Ether	250.0	ND	249	99.7		65 - 125
n-Propylbenzene	250.0	22.8	284	105		70 - 130
Styrene	250.0	ND	241	96.3		65 - 135
1,1,2,2-Tetrachloroethane	250.0	ND	273	109		65 - 130
1,1,1,2-Tetrachloroethane	250.0	ND	244	97.6		80 - 130
Tetrachloroethene	250.0	ND	223	89.1		45 - 150
Toluene	250.0	ND	241	96.5		75 - 120
1,2,3-Trichlorobenzene	250.0	ND	230	91.9		55 - 140
1,2,4-Trichlorobenzene	250.0	ND	230	91.9		65 - 135
1,1,2-Trichloroethane	250.0	ND	254	101		75 - 125
1,1,1-Trichloroethane	250.0	ND	283	113		65 - 130
Trichloroethene	250.0	ND	267	107		70 - 125
Trichlorofluoromethane	250.0	ND	283	113		60 - 145
1,2,3-Trichloropropane	250.0	ND	261	104		75 - 125
1,3,5-Trimethylbenzene	250.0	19.4	275	102		75 - 130
1,2,4-Trimethylbenzene	250.0	30.8	295	106		75 - 130
Vinyl chloride	250.0	ND	304	122		50 - 145
Xylenes (total)	750.0	91.8	808	95.5		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13004

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	500.0	679	128	0.118		30	40 - 140
Benzene	250.0	268	106	1.16		30	80 - 120
Bromobenzene	250.0	248	99.1	3.30		30	75 - 125
Bromochloromethane	250.0	251	101	1.21		30	65 - 130
Bromodichloromethane	250.0	274	109	1.14		30	75 - 120
Bromoform	250.0	257	103	4.03		30	70 - 130
Bromomethane	250.0	252	101	2.66		30	30 - 145
n-Butylbenzene	250.0	305	121	3.11		30	70 - 135
2-Butanone	500.0	692	138	0.667		30	30 - 150
sec-Butylbenzene	250.0	288	114	4.12		30	70 - 125
tert-Butylbenzene	250.0	271	109	0.721		30	70 - 130
Carbon disulfide	250.0	288	115	4.21		30	35 - 160
Carbon tetrachloride	250.0	304	122	2.20		30	65 - 140
Chlorobenzene	250.0	251	100	6.29		30	80 - 120
Chloroethane	250.0	291	116	4.89		30	60 - 135
Chloroform	250.0	260	104	1.43		30	65 - 135
Chloromethane	250.0	320	128	2.64	*	30	40 - 125
2-Chlorotoluene	250.0	273	109	4.66		30	75 - 125
4-Chlorotoluene	250.0	272	109	4.24		30	75 - 130
Dibromochloromethane	250.0	251	100	4.80		30	60 - 135
1,2-Dibromo-3-chloropropane	250.0	281	112	5.79		30	50 - 130
1,2-Dibromoethane (EDB)	250.0	246	98.2	4.56		30	80 - 120
Dibromomethane	250.0	264	105	2.44		30	75 - 125
1,2-Dichlorobenzene	250.0	252	101	3.70		30	70 - 120
1,3-Dichlorobenzene	250.0	252	101	0.497		30	75 - 125
1,4-Dichlorobenzene	250.0	246	98.6	1.72		30	75 - 125
Dichlorodifluoromethane	250.0	340	136	2.67		30	30 - 155
1,1-Dichloroethane	250.0	280	112	1.69		30	70 - 135
1,2-Dichloroethane	250.0	273	108	1.49		30	70 - 130
1,1-Dichloroethene	250.0	260	104	1.45		30	70 - 130
cis-1,2-Dichloroethene	250.0	266	106	1.75		30	70 - 125
trans-1,2-Dichloroethene	250.0	262	105	2.44		30	60 - 140
1,2-Dichloropropane	250.0	281	113	2.21		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13004

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	250.0	251	100	3.71		30	75 - 125
2,2-Dichloropropane	250.0	281	112	0.780		30	70 - 135
1,1-Dichloropropene	250.0	284	114	0.776		30	75 - 130
cis-1,3-Dichloropropene	250.0	271	108	0.699		30	70 - 130
trans-1,3-Dichloropropene	250.0	253	101	4.34		30	55 - 140
Ethylbenzene	250.0	263	103	5.63		30	75 - 125
Hexachlorobutadiene	250.0	308	123	0.519		30	50 - 140
2-Hexanone	500.0	683	137	6.89	*	30	55 - 130
Isopropylbenzene	250.0	297	103	5.04		30	75 - 125
p-Isopropyltoluene	250.0	274	109	0.513		30	75 - 130
Methylene chloride	250.0	253	101	2.40		30	55 - 140
Naphthalene	250.0	257	102	0.447		30	55 - 140
4-Methyl-2-pentanone	500.0	715	143	1.84	*	30	60 - 135
Methyl t-Butyl Ether	250.0	250	99.9	0.200		30	65 - 125
n-Propylbenzene	250.0	307	114	7.55		30	70 - 130
Styrene	250.0	252	101	4.77		30	65 - 135
1,1,2,2-Tetrachloroethane	250.0	275	110	0.638		30	65 - 130
1,1,1,2-Tetrachloroethane	250.0	252	101	3.43		30	80 - 130
Tetrachloroethene	250.0	240	95.8	7.20		30	45 - 150
Toluene	250.0	247	98.8	2.44		30	75 - 120
1,2,3-Trichlorobenzene	250.0	235	94.1	2.37		30	55 - 140
1,2,4-Trichlorobenzene	250.0	236	94.5	2.77		30	65 - 135
1,1,2-Trichloroethane	250.0	256	103	1.12		30	75 - 125
1,1,1-Trichloroethane	250.0	292	117	3.22		30	65 - 130
Trichloroethene	250.0	275	110	2.86		30	70 - 125
Trichlorofluoromethane	250.0	283	113	0.194		30	60 - 145
1,2,3-Trichloropropane	250.0	273	109	4.34		30	75 - 125
1,3,5-Trimethylbenzene	250.0	292	109	5.78		30	75 - 130
1,2,4-Trimethylbenzene	250.0	301	108	2.15		30	75 - 130
Vinyl chloride	250.0	302	121	0.710		30	50 - 145
Xylenes (total)	750.0	855	102	5.66		30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19928

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	91.2	91.2		40 - 140
Benzene	50.00	ND	55.3	111		80 - 120
Bromobenzene	50.00	ND	51.7	103		75 - 125
Bromochloromethane	50.00	ND	61.2	122		65 - 130
Bromodichloromethane	50.00	ND	59.0	118		75 - 120
Bromoform	50.00	ND	58.6	117		70 - 130
Bromomethane	50.00	ND	45.1	90.2		30 - 145
n-Butylbenzene	50.00	ND	49.6	99.2		70 - 135
2-Butanone	100.0	ND	90.8	90.8		30 - 150
sec-Butylbenzene	50.00	ND	52.3	105		70 - 125
tert-Butylbenzene	50.00	ND	53.4	107		70 - 130
Carbon disulfide	50.00	ND	50.1	100		35 - 160
Carbon tetrachloride	50.00	ND	71.6	143	*	65 - 140
Chlorobenzene	50.00	ND	54.0	108		80 - 120
Chloroethane	50.00	ND	56.4	113		60 - 135
Chloroform	50.00	ND	56.1	112		65 - 135
Chloromethane	50.00	ND	52.2	104		40 - 125
2-Chlorotoluene	50.00	ND	48.5	96.9		75 - 125
4-Chlorotoluene	50.00	ND	47.8	95.7		75 - 130
Dibromochloromethane	50.00	ND	58.2	116		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	47.4	94.9		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	53.4	107		80 - 120
Dibromomethane	50.00	ND	56.9	114		75 - 125
1,2-Dichlorobenzene	50.00	ND	52.5	105		70 - 120
1,3-Dichlorobenzene	50.00	ND	51.4	103		75 - 125
1,4-Dichlorobenzene	50.00	ND	53.0	106		75 - 125
Dichlorodifluoromethane	50.00	ND	72.1	144		30 - 155
1,1-Dichloroethane	50.00	ND	55.6	111		70 - 135
1,2-Dichloroethane	50.00	ND	59.5	119		70 - 130
1,1-Dichloroethene	50.00	ND	51.4	103		70 - 130
cis-1,2-Dichloroethene	50.00	ND	57.5	115		70 - 125
trans-1,2-Dichloroethene	50.00	ND	57.5	115		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19928

% Solids:

Source Sample Name: **1207067-19**

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	55.0	110		75 - 125
1,3-Dichloropropane	50.00	ND	51.4	103		75 - 125
2,2-Dichloropropane	50.00	ND	54.8	110		70 - 135
1,1-Dichloropropene	50.00	ND	57.9	116		75 - 130
cis-1,3-Dichloropropene	50.00	ND	57.4	115		70 - 130
trans-1,3-Dichloropropene	50.00	ND	52.0	104		55 - 140
Ethylbenzene	50.00	ND	53.9	108		75 - 125
Hexachlorobutadiene	50.00	ND	43.1	86.3		50 - 140
2-Hexanone	100.0	ND	96.2	96.2		55 - 130
Isopropylbenzene	50.00	ND	55.2	110		75 - 125
p-Isopropyltoluene	50.00	ND	52.1	104		75 - 130
Methylene chloride	50.00	ND	51.2	102		55 - 140
Naphthalene	50.00	ND	47.8	95.6		55 - 140
4-Methyl-2-pentanone	100.0	ND	102	102		60 - 135
Methyl t-Butyl Ether	50.00	ND	54.0	108		65 - 125
n-Propylbenzene	50.00	ND	48.3	96.6		70 - 130
Styrene	50.00	ND	55.1	110		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	41.9	83.8		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	62.4	125		80 - 130
Tetrachloroethene	50.00	ND	56.1	112		45 - 150
Toluene	50.00	ND	52.3	105		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	47.4	94.9		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	48.6	97.1		65 - 135
1,1,2-Trichloroethane	50.00	ND	53.7	107		75 - 125
1,1,1-Trichloroethane	50.00	ND	66.0	132	*	65 - 130
Trichloroethene	50.00	ND	58.8	118		70 - 125
Trichlorofluoromethane	50.00	ND	67.3	135		60 - 145
1,2,3-Trichloropropane	50.00	ND	55.2	110		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	54.0	108		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	53.1	106		75 - 130
Vinyl chloride	50.00	ND	59.8	120		50 - 145
Xylenes (total)	150.0	ND	164	109		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19928

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	86.2	86.2	5.59		30	40 - 140
Benzene	50.00	53.6	107	3.03		30	80 - 120
Bromobenzene	50.00	50.8	102	1.68		30	75 - 125
Bromochloromethane	50.00	60.8	122	0.738		30	65 - 130
Bromodichloromethane	50.00	57.5	115	2.49		30	75 - 120
Bromoform	50.00	55.2	110	5.83		30	70 - 130
Bromomethane	50.00	48.0	95.9	6.08		30	30 - 145
n-Butylbenzene	50.00	48.1	96.3	2.97		30	70 - 135
2-Butanone	100.0	90.1	90.1	0.763		30	30 - 150
sec-Butylbenzene	50.00	50.1	100	4.24		30	70 - 125
tert-Butylbenzene	50.00	52.2	104	2.29		30	70 - 130
Carbon disulfide	50.00	47.5	95.1	5.26		30	35 - 160
Carbon tetrachloride	50.00	67.8	136	5.46		30	65 - 140
Chlorobenzene	50.00	51.4	103	4.88		30	80 - 120
Chloroethane	50.00	52.3	105	7.60		30	60 - 135
Chloroform	50.00	54.2	108	3.48		30	65 - 135
Chloromethane	50.00	52.3	105	0.268		30	40 - 125
2-Chlorotoluene	50.00	47.3	94.6	2.40		30	75 - 125
4-Chlorotoluene	50.00	47.0	94.1	1.67		30	75 - 130
Dibromochloromethane	50.00	55.1	110	5.61		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.9	95.8	0.923		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.7	103	3.35		30	80 - 120
Dibromomethane	50.00	55.7	111	2.26		30	75 - 125
1,2-Dichlorobenzene	50.00	51.6	103	1.69		30	70 - 120
1,3-Dichlorobenzene	50.00	50.6	101	1.67		30	75 - 125
1,4-Dichlorobenzene	50.00	51.2	102	3.48		30	75 - 125
Dichlorodifluoromethane	50.00	69.4	139	3.79		30	30 - 155
1,1-Dichloroethane	50.00	52.8	106	5.16		30	70 - 135
1,2-Dichloroethane	50.00	58.8	118	1.23		30	70 - 130
1,1-Dichloroethene	50.00	49.5	99.0	3.77		30	70 - 130
cis-1,2-Dichloroethene	50.00	55.6	111	3.32		30	70 - 125
trans-1,2-Dichloroethene	50.00	54.4	109	5.61		30	60 - 140
1,2-Dichloropropane	50.00	53.6	107	2.73		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19928

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	48.1	96.3	6.53		30	75 - 125
2,2-Dichloropropane	50.00	50.9	102	7.33		30	70 - 135
1,1-Dichloropropene	50.00	54.8	110	5.58		30	75 - 130
cis-1,3-Dichloropropene	50.00	55.4	111	3.56		30	70 - 130
trans-1,3-Dichloropropene	50.00	48.2	96.4	7.61		30	55 - 140
Ethylbenzene	50.00	50.3	101	6.99		30	75 - 125
Hexachlorobutadiene	50.00	44.3	88.7	2.74		30	50 - 140
2-Hexanone	100.0	89.5	89.5	7.24		30	55 - 130
Isopropylbenzene	50.00	50.6	101	8.65		30	75 - 125
p-Isopropyltoluene	50.00	50.0	100	4.21		30	75 - 130
Methylene chloride	50.00	49.5	99.0	3.28		30	55 - 140
Naphthalene	50.00	49.4	98.7	3.21		30	55 - 140
4-Methyl-2-pentanone	100.0	95.6	95.6	6.85		30	60 - 135
Methyl t-Butyl Ether	50.00	53.1	106	1.51		30	65 - 125
n-Propylbenzene	50.00	47.4	94.8	1.88		30	70 - 130
Styrene	50.00	52.7	105	4.47		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	42.3	84.6	0.974		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	58.3	117	6.82		30	80 - 130
Tetrachloroethene	50.00	52.0	104	7.60		30	45 - 150
Toluene	50.00	49.2	98.3	6.25		30	75 - 120
1,2,3-Trichlorobenzene	50.00	49.1	98.2	3.46		30	55 - 140
1,2,4-Trichlorobenzene	50.00	48.2	96.3	0.827		30	65 - 135
1,1,2-Trichloroethane	50.00	51.2	102	4.73		30	75 - 125
1,1,1-Trichloroethane	50.00	62.9	126	4.75		30	65 - 130
Trichloroethene	50.00	58.1	116	1.23		30	70 - 125
Trichlorofluoromethane	50.00	62.2	124	7.78		30	60 - 145
1,2,3-Trichloropropane	50.00	54.0	108	2.16		30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.6	107	0.762		30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.4	103	3.23		30	75 - 130
Vinyl chloride	50.00	58.0	116	3.09		30	50 - 145
Xylenes (total)	150.0	154	103	6.12		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G13004 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/13/12 00:00	5.00	5.00
GW0669	1207051-03	07/13/12 00:00	5.00	5.00
GW0670	1207051-05	07/13/12 00:00	5.00	5.00
GW0714	1207051-07	07/13/12 00:00	5.00	5.00
GW0715	1207051-09	07/13/12 00:00	5.00	5.00
GW0716	1207051-11	07/13/12 00:00	5.00	5.00
GW0720	1207051-13	07/13/12 00:00	5.00	5.00
GW0721	1207051-15	07/13/12 00:00	5.00	5.00
GW0722	1207051-17	07/13/12 00:00	5.00	5.00
GW0729	1207051-19	07/13/12 00:00	5.00	5.00
GW8212-TB	1207051-21	07/13/12 00:00	5.00	5.00
Blank	2G13004-BLK1	07/13/12 00:00	5.00	5.00
LCS	2G13004-BS1	07/13/12 00:00	5.00	5.00
GW0715	2G13004-MS1	07/13/12 00:00	5.00	5.00
GW0715	2G13004-MSD1	07/13/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G19928 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/19/12 00:00	5.00	5.00
GW0635	1207067-03	07/19/12 00:00	5.00	5.00
GW0645	1207067-07	07/19/12 00:00	5.00	5.00
GW0646	1207067-09	07/19/12 00:00	5.00	5.00
GW0647	1207067-11	07/19/12 00:00	5.00	5.00
GW0651	1207067-13	07/19/12 00:00	5.00	5.00
GW0652	1207067-15	07/19/12 00:00	5.00	5.00
GW0658	1207067-17	07/19/12 00:00	5.00	5.00
GW0659	1207067-19	07/19/12 00:00	5.00	5.00
GW0660	1207067-21	07/19/12 00:00	5.00	5.00
GW0701	1207067-23	07/19/12 00:00	5.00	5.00
GW0702	1207067-25	07/19/12 00:00	5.00	5.00
GW0727	1207067-27	07/19/12 00:00	5.00	5.00
GW8213-TB	1207067-29	07/19/12 00:00	5.00	5.00
Blank	2G19928-BLK1	07/19/12 00:00	5.00	5.00
LCS	2G19928-BS1	07/19/12 00:00	5.00	5.00
GW0659	2G19928-MS1	07/19/12 00:00	5.00	5.00
GW0659	2G19928-MSD1	07/19/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G23013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0644	1207067-05RE1	07/23/12 00:00	5.00	5.00
Blank	2G23013-BLK1	07/23/12 00:00	5.00	5.00
LCS	2G23013-BS1	07/23/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/05/12
Instrument ID:	MS-VOA3	Injection Time:	07:07
Sequence:	2G18803	Lab Sample ID:	2G18803-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16	PASS
75	30 - 60% of 95	45.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.84	PASS
173	Less than 2% of 174	0.636	PASS
174	50 - 200% of 95	99.8	PASS
175	5 - 9% of 174	7.48	PASS
176	95 - 101% of 174	95.8	PASS
177	5 - 9% of 176	6.21	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/13/12
Instrument ID:	MS-VOA3	Injection Time:	06:15
Sequence:	2G19805	Lab Sample ID:	2G19805-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.5	PASS
75	30 - 60% of 95	45.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.68	PASS
173	Less than 2% of 174	0.413	PASS
174	50 - 200% of 95	98.7	PASS
175	5 - 9% of 174	7.33	PASS
176	95 - 101% of 174	99.4	PASS
177	5 - 9% of 176	6.11	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/19/12
Instrument ID:	MS-VOA3	Injection Time:	10:39
Sequence:	2G20204	Lab Sample ID:	2G20204-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.1	PASS
75	30 - 60% of 95	43.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.3	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	109	PASS
175	5 - 9% of 174	7.11	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.39	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/23/12
Instrument ID:	MS-VOA3	Injection Time:	07:15
Sequence:	2G20603	Lab Sample ID:	2G20603-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.8	PASS
75	30 - 60% of 95	44.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.49	PASS
173	Less than 2% of 174	0.282	PASS
174	50 - 200% of 95	98.6	PASS
175	5 - 9% of 174	7.28	PASS
176	95 - 101% of 174	98.4	PASS
177	5 - 9% of 176	6.63	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G18803	Instrument:	MS-VOA3
Calibration:	2191002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G18803-TUN1	SEQTUN1.D	07/05/12 07:07
Cal Standard	2G18803-CAL1	SEQCAL1.D	07/05/12 08:34
Cal Standard	2G18803-CAL2	SEQCAL2.D	07/05/12 09:03
Cal Standard	2G18803-CAL3	SEQCAL3.D	07/05/12 09:32
Cal Standard	2G18803-CAL4	SEQCAL4.D	07/05/12 10:00
Cal Standard	2G18803-CAL5	SEQCAL5.D	07/05/12 10:29
Cal Standard	2G18803-CAL6	SEQCAL6.D	07/05/12 10:57
Cal Standard	2G18803-CAL7	SEQCAL7.D	07/05/12 11:26
Cal Standard	2G18803-CAL8	SEQCAL8.D	07/05/12 11:55
Cal Standard	2G18803-CAL9	SEQCAL9.D	07/05/12 12:23
Initial Cal Check	2G18803-ICV2	SEQICV2.D	07/05/12 13:49

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19805	Instrument:	MS-VOA3
Calibration:	2191002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G19805-TUN1	SEQTUN1.D	07/13/12 06:15
Calibration Check	2G19805-CCV1	SEQCCV1.D	07/13/12 06:45
LCS	2G13004-BS1	0712LCS1.D	07/13/12 07:14
Blank	2G13004-BLK1	0712BLK1.D	07/13/12 08:40
GW8212-TB	1207051-21	0705121.D	07/13/12 09:08
GW0714	1207051-07	0705107D.D	07/13/12 09:37
GW0715	1207051-09	705109D2.D	07/13/12 10:43
GW0668	1207051-01	0705101.D	07/13/12 11:11
GW0669	1207051-03	0705103.D	07/13/12 12:19
GW0670	1207051-05	0705105.D	07/13/12 12:48
GW0716	1207051-11	0705111.D	07/13/12 13:17
GW0720	1207051-13	0705113.D	07/13/12 13:53
GW0721	1207051-15	0705115.D	07/13/12 14:22
GW0722	1207051-17	0705117.D	07/13/12 14:50
GW0729	1207051-19	0705119.D	07/13/12 15:19
GW0715	2G13004-MS1	705109DM.D	07/13/12 15:48
GW0715	2G13004-MSD1	705109DS.D	07/13/12 16:26

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
Calibration:	2191002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G20204-TUN1	SEQTUN1.D	07/19/12 10:39
Calibration Check	2G20204-CCV1	SEQCCV1.D	07/19/12 11:09
LCS	2G19928-BS1	0719LCS1.D	07/19/12 11:49
Blank	2G19928-BLK1	0719BLK1.D	07/19/12 13:15
GW8213-TB	1207067-29	0706729.D	07/19/12 13:44
GW0630	1207067-01	0706701.D	07/19/12 14:12
GW0635	1207067-03	0706703.D	07/19/12 14:41
GW0645	1207067-07	0706707.D	07/19/12 15:38
GW0646	1207067-09	0706709.D	07/19/12 16:07
GW0647	1207067-11	0706711.D	07/19/12 16:36
GW0651	1207067-13	0706713.D	07/19/12 17:04
GW0652	1207067-15	0706715.D	07/19/12 17:33
GW0658	1207067-17	0706717.D	07/19/12 18:02
GW0659	1207067-19	0706719.D	07/19/12 18:30
GW0660	1207067-21	0706721.D	07/19/12 18:59
GW0701	1207067-23	0706723.D	07/19/12 19:27
GW0702	1207067-25	0706725.D	07/19/12 19:56
GW0727	1207067-27	0706727D.D	07/19/12 20:25
GW0659	2G19928-MS1	0706719M.D	07/19/12 20:53
GW0659	2G19928-MSD1	0706719S.D	07/19/12 21:22

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20603	Instrument:	MS-VOA3
Calibration:	2191002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G20603-TUN1	SEQTUN1.D	07/23/12 07:15
Calibration Check	2G20603-CCV1	SEQCCV2.D	07/23/12 08:13
LCS	2G23013-BS1	0723LCS1.D	07/23/12 08:42
Blank	2G23013-BLK1	0723BLK1.D	07/23/12 10:08
GW0644	1207067-05RE1	070675R.D	07/23/12 11:34

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19805	Instrument:	MS-VOA3
		Calibration:	2191002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G19805-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 07/13/12 06:45			
Fluorobenzene	350030	7.767	330232	7.767	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	150742	10.912	132381	10.912	114	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	189565	13.322	171372	13.322	111	50 - 200	0.0000	+/-0.50	
LCS (2G13004-BS1)			Lab File ID: 0712LCS1.D			Analyzed: 07/13/12 07:14			
Fluorobenzene	352437	7.767	350030	7.767	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	146864	10.912	150742	10.912	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	184921	13.321	189565	13.322	98	50 - 200	-0.0010	+/-0.50	
Blank (2G13004-BLK1)			Lab File ID: 0712BLK1.D			Analyzed: 07/13/12 08:40			
Fluorobenzene	323397	7.767	350030	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	136070	10.912	150742	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	159722	13.322	189565	13.322	84	50 - 200	0.0000	+/-0.50	
GW8212-TB (1207051-21)			Lab File ID: 0705121.D			Analyzed: 07/13/12 09:08			
Fluorobenzene	322917	7.767	350030	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	137921	10.912	150742	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	162741	13.321	189565	13.322	86	50 - 200	-0.0010	+/-0.50	
GW0714 (1207051-07)			Lab File ID: 0705107D.D			Analyzed: 07/13/12 09:37			
Fluorobenzene	321839	7.767	350030	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	134428	10.912	150742	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	162054	13.321	189565	13.322	85	50 - 200	-0.0010	+/-0.50	
GW0715 (1207051-09)			Lab File ID: 705109D2.D			Analyzed: 07/13/12 10:43			
Fluorobenzene	325548	7.767	350030	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	137858	10.912	150742	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	165716	13.321	189565	13.322	87	50 - 200	-0.0010	+/-0.50	
GW0668 (1207051-01)			Lab File ID: 0705101.D			Analyzed: 07/13/12 11:11			
Fluorobenzene	325332	7.767	350030	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	134584	10.912	150742	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	159605	13.321	189565	13.322	84	50 - 200	-0.0010	+/-0.50	
GW0669 (1207051-03)			Lab File ID: 0705103.D			Analyzed: 07/13/12 12:19			
Fluorobenzene	318460	7.767	350030	7.767	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	134505	10.912	150742	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	158735	13.321	189565	13.322	84	50 - 200	-0.0010	+/-0.50	
GW0670 (1207051-05)			Lab File ID: 0705105.D			Analyzed: 07/13/12 12:48			
Fluorobenzene	308157	7.767	350030	7.767	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	130091	10.912	150742	10.912	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	152530	13.322	189565	13.322	80	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19805	Instrument:	MS-VOA3
		Calibration:	2191002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0716 (1207051-11)			Lab File ID: 0705111.D			Analyzed: 07/13/12 13:17			
Fluorobenzene	313105	7.767	350030	7.767	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	129198	10.912	150742	10.912	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	152302	13.322	189565	13.322	80	50 - 200	0.0000	+/-0.50	
GW0720 (1207051-13)			Lab File ID: 0705113.D			Analyzed: 07/13/12 13:53			
Fluorobenzene	312617	7.767	350030	7.767	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	132919	10.912	150742	10.912	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	157669	13.321	189565	13.322	83	50 - 200	-0.0010	+/-0.50	
GW0721 (1207051-15)			Lab File ID: 0705115.D			Analyzed: 07/13/12 14:22			
Fluorobenzene	307331	7.767	350030	7.767	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	130320	10.912	150742	10.912	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	152624	13.321	189565	13.322	81	50 - 200	-0.0010	+/-0.50	
GW0722 (1207051-17)			Lab File ID: 0705117.D			Analyzed: 07/13/12 14:50			
Fluorobenzene	300847	7.767	350030	7.767	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	131302	10.912	150742	10.912	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	152934	13.321	189565	13.322	81	50 - 200	-0.0010	+/-0.50	
GW0729 (1207051-19)			Lab File ID: 0705119.D			Analyzed: 07/13/12 15:19			
Fluorobenzene	295897	7.767	350030	7.767	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	126578	10.912	150742	10.912	84	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	153878	13.321	189565	13.322	81	50 - 200	-0.0010	+/-0.50	
Matrix Spike (2G13004-MS1)			Lab File ID: 705109DM.D			Analyzed: 07/13/12 15:48			
Fluorobenzene	311501	7.767	350030	7.767	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	135874	10.912	150742	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	165614	13.321	189565	13.322	87	50 - 200	-0.0010	+/-0.50	
Matrix Spike Dup (2G13004-MSD1)			Lab File ID: 705109DS.D			Analyzed: 07/13/12 16:26			
Fluorobenzene	325068	7.767	350030	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	134819	10.912	150742	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	166003	13.322	189565	13.322	88	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
		Calibration:	2191002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G20204-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 07/19/12 11:09			
Fluorobenzene	319342	7.767	330232	7.767	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	139019	10.912	132381	10.912	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	200215	13.321	171372	13.322	117	50 - 200	-0.0010	+/-0.50	
LCS (2G19928-BS1)			Lab File ID: 0719LCS1.D			Analyzed: 07/19/12 11:49			
Fluorobenzene	335507	7.767	319342	7.767	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	139232	10.912	139019	10.912	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	203866	13.321	200215	13.321	102	50 - 200	0.0000	+/-0.50	
Blank (2G19928-BLK1)			Lab File ID: 0719BLK1.D			Analyzed: 07/19/12 13:15			
Fluorobenzene	303437	7.767	319342	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	132936	10.912	139019	10.912	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	181714	13.322	200215	13.321	91	50 - 200	0.0010	+/-0.50	
GW8213-TB (1207067-29)			Lab File ID: 0706729.D			Analyzed: 07/19/12 13:44			
Fluorobenzene	304884	7.767	319342	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	130315	10.912	139019	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	178609	13.321	200215	13.321	89	50 - 200	0.0000	+/-0.50	
GW0630 (1207067-01)			Lab File ID: 0706701.D			Analyzed: 07/19/12 14:12			
Fluorobenzene	304574	7.767	319342	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	133666	10.912	139019	10.912	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	177706	13.321	200215	13.321	89	50 - 200	0.0000	+/-0.50	
GW0635 (1207067-03)			Lab File ID: 0706703.D			Analyzed: 07/19/12 14:41			
Fluorobenzene	304678	7.767	319342	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	131355	10.912	139019	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	179459	13.321	200215	13.321	90	50 - 200	0.0000	+/-0.50	
GW0645 (1207067-07)			Lab File ID: 0706707.D			Analyzed: 07/19/12 15:38			
Fluorobenzene	303622	7.767	319342	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	126312	10.912	139019	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	182818	13.321	200215	13.321	91	50 - 200	0.0000	+/-0.50	
GW0646 (1207067-09)			Lab File ID: 0706709.D			Analyzed: 07/19/12 16:07			
Fluorobenzene	305340	7.767	319342	7.767	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	131274	10.912	139019	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	183161	13.321	200215	13.321	91	50 - 200	0.0000	+/-0.50	
GW0647 (1207067-11)			Lab File ID: 0706711.D			Analyzed: 07/19/12 16:36			
Fluorobenzene	312624	7.767	319342	7.767	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	130387	10.912	139019	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	180679	13.321	200215	13.321	90	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
		Calibration:	2191002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0651 (1207067-13)			Lab File ID: 0706713.D			Analyzed: 07/19/12 17:04			
Fluorobenzene	306063	7.767	319342	7.767	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	128374	10.912	139019	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	183702	13.321	200215	13.321	92	50 - 200	0.0000	+/-0.50	
GW0652 (1207067-15)			Lab File ID: 0706715.D			Analyzed: 07/19/12 17:33			
Fluorobenzene	297592	7.767	319342	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	127927	10.912	139019	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	173493	13.322	200215	13.321	87	50 - 200	0.0010	+/-0.50	
GW0658 (1207067-17)			Lab File ID: 0706717.D			Analyzed: 07/19/12 18:02			
Fluorobenzene	304139	7.767	319342	7.767	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	128952	10.912	139019	10.912	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	176729	13.321	200215	13.321	88	50 - 200	0.0000	+/-0.50	
GW0659 (1207067-19)			Lab File ID: 0706719.D			Analyzed: 07/19/12 18:30			
Fluorobenzene	300667	7.767	319342	7.767	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	126043	10.912	139019	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	173363	13.321	200215	13.321	87	50 - 200	0.0000	+/-0.50	
GW0660 (1207067-21)			Lab File ID: 0706721.D			Analyzed: 07/19/12 18:59			
Fluorobenzene	305612	7.767	319342	7.767	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	128947	10.912	139019	10.912	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	177377	13.321	200215	13.321	89	50 - 200	0.0000	+/-0.50	
GW0701 (1207067-23)			Lab File ID: 0706723.D			Analyzed: 07/19/12 19:27			
Fluorobenzene	295054	7.767	319342	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	126737	10.912	139019	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	173122	13.321	200215	13.321	86	50 - 200	0.0000	+/-0.50	
GW0702 (1207067-25)			Lab File ID: 0706725.D			Analyzed: 07/19/12 19:56			
Fluorobenzene	294543	7.767	319342	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	129422	10.912	139019	10.912	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	175048	13.321	200215	13.321	87	50 - 200	0.0000	+/-0.50	
GW0727 (1207067-27)			Lab File ID: 0706727D.D			Analyzed: 07/19/12 20:25			
Fluorobenzene	296891	7.767	319342	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	128128	10.912	139019	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	171948	13.321	200215	13.321	86	50 - 200	0.0000	+/-0.50	
Matrix Spike (2G19928-MS1)			Lab File ID: 0706719M.D			Analyzed: 07/19/12 20:53			
Fluorobenzene	308791	7.767	319342	7.767	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	132129	10.912	139019	10.912	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	191834	13.321	200215	13.321	96	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20204	Instrument:	MS-VOA3
		Calibration:	2191002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2G19928-MSD1)			Lab File ID: 0706719S.D			Analyzed: 07/19/12 21:22			
Fluorobenzene	319657	7.767	319342	7.767	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	142430	10.912	139019	10.912	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	196741	13.321	200215	13.321	98	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20603	Instrument:	MS-VOA3
		Calibration:	2191002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G20603-CCV1)			Lab File ID: SEQCCV2.D			Analyzed: 07/23/12 08:13			
Fluorobenzene	319413	7.767	330232	7.767	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	141868	10.912	132381	10.912	107	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	201546	13.322	171372	13.322	118	50 - 200	0.0000	+/-0.50	
LCS (2G23013-BS1)			Lab File ID: 0723LCS1.D			Analyzed: 07/23/12 08:42			
Fluorobenzene	322790	7.767	319413	7.767	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	141113	10.912	141868	10.912	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	203574	13.321	201546	13.322	101	50 - 200	-0.0010	+/-0.50	
Blank (2G23013-BLK1)			Lab File ID: 0723BLK1.D			Analyzed: 07/23/12 10:08			
Fluorobenzene	288050	7.767	319413	7.767	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	123721	10.912	141868	10.912	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	176916	13.322	201546	13.322	88	50 - 200	0.0000	+/-0.50	
GW0644 (1207067-05RE1)			Lab File ID: 070675R.D			Analyzed: 07/23/12 11:34			
Fluorobenzene	292369	7.767	319413	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	127596	10.912	141868	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	179302	13.322	201546	13.322	89	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2191002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/5/12 8:34 7/5/12 12:23

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		2		4	6.097316E-02	10	5.260969E-02	20	5.255886E-02	100	5.380874E-02
Acrolein	2.508	0.033542	5.015	2.791999E-02	10.03	2.435327E-02	25.08	2.809176E-02	50.15	2.481918E-02	250.8	2.989722E-02
Acrylonitrile	2.498	4.988655E-02	4.997	6.822731E-02	9.994	6.647098E-02	24.98	7.423668E-02	49.97	6.695657E-02	249.8	7.782108E-02
Benzene	0.5	0.8997871	1	0.9814676	2	0.9349836	5	0.9797687	10	0.9560996	50	1.012742
Bromobenzene	0.5	0.6196325	1	0.7874808	2	0.7552951	5	0.7454432	10	0.7145867	50	0.7708215
Bromochloromethane	0.5	0.1230007	1	0.1552901	2	0.1564638	5	0.1551724	10	0.1567596	50	0.161186
Tert-Amyl Methyl Ether	0.5	0.5838255	1	0.6608657	2	0.6422568	5	0.6949622	10	0.6642328	50	0.7112109
Bromodichloromethane	0.5	0.2980913	1	0.3500947	2	0.33753	5	0.3623927	10	0.3520236	50	0.3807416
Bromoform	0.5	0.4585859	1	0.5546909	2	0.5429071	5	0.5537607	10	0.5752307	50	0.6135929
Bromomethane	0.5	~~0.4505589~~	1	0.3075259	2	0.2356918	5	0.206249	10	0.1845315	50	0.1584937
Bromofluorobenzene	30	0.9634457	35	0.939782	40	0.9251008	50	0.9377048	60	0.9403974	70	0.9404971
n-Butylbenzene	0.5	1.383757	1	1.510104	2	1.533243	5	1.550897	10	1.48957	50	1.596092
2-Butanone	1		2	9.172327E-02	4	7.811607E-02	10	9.149802E-02	20	9.099316E-02	100	9.253895E-02
sec-Butylbenzene	0.5	1.965546	1	2.063271	2	2.16017	5	2.165331	10	2.135506	50	2.233114
tert-Butylbenzene	0.5	1.61846	1	1.811337	2	1.777861	5	1.908717	10	1.779306	50	1.942483
Carbon disulfide	0.5	0.4893412	1	0.6145746	2	0.6340097	5	0.643219	10	0.6397078	50	0.6547538
Carbon tetrachloride	0.5	0.3049352	1	0.3267105	2	0.3440165	5	0.3517089	10	0.3409635	50	0.3746896
Chlorobenzene	0.5	1.775403	1	2.079179	2	1.992934	5	1.978851	10	1.951372	50	2.039041
Chloroethane	0.5	0.1153963	1	0.1449819	2	0.135151	5	0.1495163	10	0.1405999	50	0.1464178
Chloroform	0.5	0.4670984	1	0.4689245	2	0.4777775	5	0.4806765	10	0.4543904	50	0.4640465
2-Chloroethyl vinyl ether	0.9975	0.1172102	1.995	0.1355376	3.99	0.1391127	9.975	0.146464	19.95	0.1454924	99.75	0.1628907
Chloromethane	0.5	0.2165344	1	0.1924184	2	0.1814369	5	0.183415	10	0.1819021	50	0.1868036
1-Chlorohexane	0.5	1.015406	1	0.9335635	2	0.892297	5	0.8685279	10	0.8220462	50	0.8658595
2-Chlorotoluene	0.5	1.449504	1	1.569338	2	1.665341	5	1.735301	10	1.642059	50	1.719376
4-Chlorotoluene	0.5	1.691471	1	1.931868	2	1.972512	5	1.989894	10	1.840045	50	1.963878
Cyclohexane	0.5	0.2771793	1	0.3082895	2	0.2785028	5	0.3035079	10	0.2959465	50	0.3123881
Dibromochloromethane	0.5	0.7187867	1	0.8426147	2	0.7791276	5	0.7914468	10	0.7943876	50	0.8436018
1,2-Dibromo-3-chloropropane	0.5	0.1181163	1	0.1732045	2	0.1815057	5	0.1680876	10	0.1598948	50	0.1765298
1,2-Dibromoethane (EDB)	0.5	0.5707166	1	0.6531783	2	0.6318427	5	0.6699192	10	0.6622388	50	0.7054671
Dibromomethane	0.5	0.1296545	1	0.1628303	2	0.1553518	5	0.1670751	10	0.1652278	50	0.1700181
1,2-Dichlorobenzene	0.5	1.169313	1	1.273916	2	1.267464	5	1.324379	10	1.274119	50	1.350077

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2191002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/5/12 8:34 7/5/12 12:23

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	1.194159	1	1.35377	2	1.364136	5	1.407725	10	1.312047	50	1.373715
1,4-Dichlorobenzene	0.5	1.311129	1	1.356956	2	1.400214	5	1.378399	10	1.374846	50	1.427513
Dichlorodifluoromethane	0.5	0.1195787	1	0.15634	2	0.1487263	5	0.1550201	10	0.1799745	50	0.1830251
1,1-Dichloroethane	0.5	0.3672911	1	0.4138523	2	0.4171287	5	0.4089749	10	0.4139022	50	0.424876
1,2-Dichloroethane	0.5	0.2693848	1	0.3500947	2	0.31214	5	0.33455	10	0.3208645	50	0.3375178
1,1-Dichloroethene	0.5	0.2182454	1	0.2335555	2	0.2188269	5	0.2331205	10	0.2246547	50	0.2335517
cis-1,2-Dichloroethene	0.5	0.2344047	1	0.2819465	2	0.2791514	5	0.2892248	10	0.2741912	50	0.2926785
trans-1,2-Dichloroethene	0.5	0.2226179	1	0.2761243	2	0.2702093	5	0.2647529	10	0.2629627	50	0.272896
1,2-Dichloroethene (total)	1	0.2285113	2	0.2790354	4	0.2746804	10	0.2769889	20	0.268577	100	0.2827873
1,2-Dichloropropane	0.5	0.1912499	1	0.213321	2	0.2196609	5	0.2311589	10	0.2290619	50	0.241492
1,3-Dichloropropane	0.5	0.8539186	1	0.9705267	2	0.976174	5	0.9998599	10	0.9568755	50	1.02466
2,2-Dichloropropane	0.5	0.2817419	1	0.33196	2	0.3284026	5	0.3448911	10	0.322633	50	0.3475296
1,1-Dichloropropene	0.5	0.2849738	1	0.3100075	2	0.3217771	5	0.3426248	10	0.3325141	50	0.3511455
cis-1,3-Dichloropropene	0.5	0.3034144	1	0.3646024	2	0.366534	5	0.3989005	10	0.3773159	50	0.4112745
trans-1,3-Dichloropropene	0.5	~~0.5975513~~	1	0.9530178	2	0.8980613	5	0.9451889	10	0.9610029	50	1.042116
Diisopropyl Ether	0.5	0.6258396	1	0.7131699	2	0.6809442	5	0.70995	10	0.690021	50	0.7470329
Ethylbenzene	0.5	2.676282	1	2.988182	2	3.101688	5	3.042999	10	3.048011	50	3.156418
Ethyl tert-Butyl Ether	0.5	0.5855365	1	0.6332819	2	0.6573148	5	0.6900107	10	0.6557178	50	0.7100985
Ethyl Methacrylate	0.5	~~0.4772744~~	1	0.5721998	2	0.5965508	5	0.6434474	10	0.6898024	50	0.7773219
Hexachlorobutadiene	0.5	0.3092429	1	0.3394734	2	0.3009248	5	0.316919	10	0.2922644	50	0.3130767
2-Hexanone	1	0.2781704	2	0.286951	4	0.3177448	10	0.314137	20	0.3076476	100	0.3459487
Iodomethane	0.5		1	0.1620667	2	0.1865334	5	0.2724849	10	0.2870198	50	0.3761592
Isopropylbenzene	0.5	2.281429	1	2.578912	2	2.705124	5	2.726084	10	2.72472	50	2.926596
p-Isopropyltoluene	0.5	1.70485	1	1.950426	2	1.961977	5	2.037888	10	1.963529	50	2.069596
Methylene chloride	0.5	0.2901067	1	0.2910138	2	0.2555684	5	0.2662003	10	0.2599497	50	0.2579241
Methyl Acetate	0.5		1	0.1277063	2	0.1280622	5	0.1263966	10	0.130017	50	0.1355085
Methylcyclohexane	0.5	0.2547464	1	0.3154479	2	0.2725259	5	0.2960997	10	0.2881895	50	0.3007553
Naphthalene	0.5	1.745751	1	1.973107	2	2.093515	5	2.098118	10	2.189346	50	2.406961
Methyl Methacrylate	0.5	0.154939	1	0.150136	2	0.1574831	5	0.1722741	10	0.1655365	50	0.1881198
4-Methyl-2-pentanone	1	0.1709082	2	0.18044	4	0.1625102	10	0.1869192	20	0.1820939	100	0.1993385
Methyl t-Butyl Ether	0.5	0.5182378	1	0.5898541	2	0.567801	5	0.6060637	10	0.5776889	50	0.625382

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2191002
Instrument: MS-VOA3
Matrix: Water
Calibration Dates: 7/5/12 8:34 7/5/12 12:23

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.328305	1	2.44717	2	2.525419	5	2.597457	10	2.525246	50	2.695536
Styrene	0.5	1.645542	1	2.047809	2	2.116573	5	2.229563	10	2.191285	50	2.332175
1,1,2,2-Tetrachloroethane	0.5	0.5955506	1	0.6270229	2	0.6132228	5	0.6275908	10	0.5923854	50	0.6179505
1,1,1,2-Tetrachloroethane	0.5	0.6756595	1	0.7168912	2	0.7093673	5	0.7139456	10	0.7407785	50	0.7603552
tert-Butyl alcohol	2.5		5		10	7.209289E-03	25	1.174648E-02	50	0.0112959	250	1.396423E-02
Tetrachloroethene	0.5	0.777248	1	0.8097855	2	0.7823039	5	0.8146039	10	0.829542	50	0.8261186
Toluene	0.5	1.344131	1	1.66845	2	1.627545	5	1.657454	10	1.705292	50	1.728974
1,2,3-Trichlorobenzene	0.5	0.6853801	1	0.7098762	2	0.7412184	5	0.7632295	10	0.7314558	50	0.8014235
1,2,4-Trichlorobenzene	0.5	0.7813257	1	0.7852314	2	0.7929573	5	0.8553947	10	0.7867046	50	0.8561611
1,1,2-Trichloroethane	0.5	0.3464552	1	0.4168085	2	0.4330317	5	0.4389094	10	0.4607538	50	0.4888882
1,1,1-Trichloroethane	0.5	0.3157715	1	0.3859822	2	0.3807116	5	0.4049375	10	0.3885351	50	0.4051739
Tetrahydrofuran	0.5		1		2	7.088825E-03	5	2.323396E-02	10	2.585368E-02	50	2.662907E-02
Trichloroethene	0.5	0.2207168	1	0.2339373	2	0.271414	5	0.2592301	10	0.2602772	50	0.2697682
Trichlorofluoromethane	0.5	0.3317406	1	0.3570622	2	0.3572675	5	0.3880453	10	0.3588262	50	0.3717525
1,2,3-Trichloropropane	0.5	0.203177	1	0.2572832	2	0.2683361	5	0.2699472	10	0.2656024	50	0.2722116
1,3,5-Trimethylbenzene	0.5	1.587498	1	1.793342	2	1.87817	5	1.940541	10	1.857582	50	1.960811
1,2,4-Trimethylbenzene	0.5	1.720522	1	1.874133	2	1.963655	5	2.069308	10	1.996996	50	2.124006
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1821247	1	0.1865962	2	0.2294833	5	0.2240935	10	0.2217447	50	0.2292945
Vinyl chloride	0.5	0.2041773	1	0.2087396	2	0.2023327	5	0.2099055	10	0.2092997	50	0.2083585
m,p-Xylene	1	2.017155	2	2.307159	4	2.409143	10	2.449764	20	2.414664	100	2.469933
o-Xylene	0.5	2.153006	1	2.367103	2	2.465845	5	2.537327	10	2.478758	50	2.560011
Vinyl acetate	0.996		1.992	0.3443135	3.984	0.3380017	9.96	0.3747087	19.92	0.367628	99.62	0.4328692
Xylenes (total)	1.5	2.062439	3	2.32714	6	2.428044	15	2.478952	30	2.436029	150	2.499959
Dibromofluoromethane	30	0.2669546	35	0.2721183	40	0.2636556	50	0.2734676	60	0.2744267	70	0.2754492
1,2-Dichloroethane-d4	30	6.802426E-02	35	6.706284E-02	40	6.472144E-02	50	6.806599E-02	60	6.982115E-02	70	7.258017E-02
Toluene-d8	30	2.3984	35	2.405164	40	2.327036	50	2.361245	60	2.457903	70	2.409101
tert-Amyl alcohol	2.5		5		10	7.718943E-03	25	7.343456E-03	50	7.974124E-03	250	1.115755E-02
tert-Amyl ethyl ether	0.5	0.4266052	1	0.5000398	2	0.5062718	5	0.5269539	10	0.5120582	50	0.5500866

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2191002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/5/12 8:34 7/5/12 12:23

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	0.0550463	300	5.730917E-02	400	5.483517E-02						
Acrolein	501.5	3.004269E-02	752.2	3.087259E-02	1003	2.979664E-02						
Acrylonitrile	499.7	7.775348E-02	749.6	8.117448E-02	999.4	7.967348E-02						
Benzene	100	1.044219	150	1.025187	200	1.01452						
Bromobenzene	100	0.7951421	150	0.7881604	200	0.7936905						
Bromochloromethane	100	0.1650367	150	0.1652381	200	0.1630862						
Tert-Amyl Methyl Ether	100	0.7335788	150	0.7374402	200	0.7115715						
Bromodichloromethane	100	0.3857434	150	0.3899113	200	0.3792529						
Bromoform	100	0.636932	150	0.6479078	200	0.6705346						
Bromomethane	100	0.1657026	150	0.1697328	200	0.1693972						
Bromofluorobenzene	30	0.9866748	30	0.9523019	30	0.997774						
n-Butylbenzene	100	1.669768	150	1.663926	200	1.691393						
2-Butanone	200	9.554147E-02	300	9.560914E-02	400	9.352546E-02						
sec-Butylbenzene	100	2.3395	150	2.369041	200	2.3556						
tert-Butylbenzene	100	1.996593	150	1.982968	200	2.015821						
Carbon disulfide	100	0.6703197	150	0.6788079	200	0.6828993						
Carbon tetrachloride	100	0.3901657	150	0.3886424	200	0.3830942						
Chlorobenzene	100	2.072337	150	2.069151	200	2.078503						
Chloroethane	100	0.1478679	150	0.1466351	200	0.1418467						
Chloroform	100	0.4741657	150	0.4745245	200	0.4656946						
2-Chloroethyl vinyl ether	199.5	0.1629167	299.2	0.1649353	399	0.1618786						
Chloromethane	100	0.1887491	150	0.1900848	200	0.1871205						
1-Chlorohexane	100	0.8948172	150	0.8797685	200	0.9023351						
2-Chlorotoluene	100	1.768712	150	1.762135	200	1.751483						
4-Chlorotoluene	100	2.062762	150	2.037231	200	2.02245						
Cyclohexane	100	0.3244228	150	0.326138	200	0.3130759						
Dibromochloromethane	100	0.8715027	150	0.8691926	200	0.8914755						
1,2-Dibromo-3-chloropropane	100	0.1851779	150	0.1926909	200	0.1969557						
1,2-Dibromoethane (EDB)	100	0.7208353	150	0.7152801	200	0.7428478						
Dibromomethane	100	0.1735643	150	0.1730899	200	0.1691305						
1,2-Dichlorobenzene	100	1.417154	150	1.415971	200	1.421504						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2191002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/5/12 8:34 7/5/12 12:23

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	1.426695	150	1.437904	200	1.464247						
1,4-Dichlorobenzene	100	1.461218	150	1.47954	200	1.467388						
Dichlorodifluoromethane	100	0.1853533	150	0.1844271	200	0.1749408						
1,1-Dichloroethane	100	0.421749	150	0.4264903	200	0.4257476						
1,2-Dichloroethane	100	0.340765	150	0.3410749	200	0.3306162						
1,1-Dichloroethene	100	0.238347	150	0.2469868	200	0.2353466						
cis-1,2-Dichloroethene	100	0.2982403	150	0.2997049	200	0.2926592						
trans-1,2-Dichloroethene	100	0.2699993	150	0.2766258	200	0.2707575						
1,2-Dichloroethene (total)	200	0.2841198	300	0.2881654	400	0.2817084						
1,2-Dichloropropane	100	0.242733	150	0.2440598	200	0.2392987						
1,3-Dichloropropane	100	1.054769	150	1.04961	200	1.090751						
2,2-Dichloropropane	100	0.3545971	150	0.3507757	200	0.3407844						
1,1-Dichloropropene	100	0.360582	150	0.3619184	200	0.3486715						
cis-1,3-Dichloropropene	100	0.4291101	150	0.4332755	200	0.4165241						
trans-1,3-Dichloropropene	100	1.060786	150	1.080189	200	1.087389						
Diisopropyl Ether	100	0.7608787	150	0.7600923	200	0.7335371						
Ethylbenzene	100	3.288075	150	3.231462	200	3.316611						
Ethyl tert-Butyl Ether	100	0.7292028	150	0.7263524	200	0.7118948						
Ethyl Methacrylate	100	0.7997711	150	0.8009079	200	0.8326419						
Hexachlorobutadiene	100	0.3177176	150	0.3351962	200	0.3340919						
2-Hexanone	200	0.3464047	300	0.3543635	400	0.35053						
Iodomethane	100	0.3929701	150	0.4012377	200	0.3901842						
Isopropylbenzene	100	2.948007	150	2.948741	200	3.103709						
p-Isopropyltoluene	100	2.133653	150	2.153076	200	2.160777						
Methylene chloride	100	0.2602625	150	0.2652351	200	0.2633626						
Methyl Acetate	100	0.1387788	150	0.1458985	200	0.1450434						
Methylcyclohexane	100	0.3135132	150	0.3141239	200	0.3048694						
Naphthalene	100	2.472269	150	2.586821	200	2.500995						
Methyl Methacrylate	100	0.1902435	150	0.1943808	200	0.1865854						
4-Methyl-2-pentanone	200	0.201194	300	0.1999539	400	0.1986103						
Methyl t-Butyl Ether	100	0.6400418	150	0.6511389	200	0.6427689						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2191002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/5/12 8:34 7/5/12 12:23

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	2.779212	150	2.796089	200	2.786496						
Styrene	100	2.376681	150	2.378147	200	2.473935						
1,1,2,2-Tetrachloroethane	100	0.6330492	150	0.6550853	200	0.6479384						
1,1,1,2-Tetrachloroethane	100	0.7957872	150	0.7998701	200	0.8156841						
tert-Butyl alcohol	500	1.482158E-02	750	1.610571E-02	1000	1.648194E-02						
Tetrachloroethene	100	0.8533732	150	0.842106	200	0.8859472						
Toluene	100	1.753409	150	1.778821	200	1.781238						
1,2,3-Trichlorobenzene	100	0.831717	150	0.8591491	200	0.8565898						
1,2,4-Trichlorobenzene	100	0.888686	150	0.9152012	200	0.8947492						
1,1,2-Trichloroethane	100	0.4892832	150	0.4934181	200	0.5114914						
1,1,1-Trichloroethane	100	0.4257107	150	0.4185307	200	0.4102269						
Tetrahydrofuran	100	0.027547	150	2.873499E-02	200	2.917935E-02						
Trichloroethene	100	0.2739501	150	0.2785609	200	0.2742214						
Trichlorofluoromethane	100	0.3716633	150	0.3745498	200	0.3580413						
1,2,3-Trichloropropane	100	0.2737372	150	0.2800003	200	0.2945496						
1,3,5-Trimethylbenzene	100	2.079163	150	2.05443	200	2.057093						
1,2,4-Trimethylbenzene	100	2.178102	150	2.181464	200	2.16427						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2328917	150	0.2353991	200	0.2261193						
Vinyl chloride	100	0.2194266	150	0.2141468	200	0.2009531						
m,p-Xylene	200	2.508283	300	2.560028	400	2.629325						
o-Xylene	100	2.676962	150	2.648225	200	2.699799						
Vinyl acetate	199.2	0.4452615	298.9	0.4618263	398.5	0.4485254						
Xylenes (total)	300	2.564509	450	2.589427	600	2.652816						
Dibromofluoromethane	30	0.2731292	30	0.2672099	30	0.2666657						
1,2-Dichloroethane-d4	30	7.050498E-02	30	6.868608E-02	30	6.911064E-02						
Toluene-d8	30	2.427932	30	2.402194	30	2.478445						
tert-Amyl alcohol	500	1.237003E-02	750	0.0137866	1000	1.376705E-02						
tert-Amyl ethyl ether	100	0.5732951	150	0.5847186	200	0.5716873						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2191002	Instrument:	MS-VOA3		
Matrix:	Water	Calibration Dates:	7/5/12 8:34	7/5/12 12:23	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	5.530587E-02	5.398057	3.487571	0.1390397			15	
Acrolein	2.881504E-02	10.0745	3.373667	0.1477669			15	
Acrylonitrile	7.135562E-02	13.75395	4.352667	0.1147383			15	
Benzene	0.9831972	4.739526	7.498778	2.758873E-02			15	
Bromobenzene	0.7522503	7.50436	12.275	1.290811E-02			15	
Bromochloromethane	0.1556926	8.294637	6.577	4.319156E-02			15	
Tert-Amyl Methyl Ether	0.6822161	7.25714	7.693333	2.383496E-02			15	
Bromodichloromethane	0.3595313	8.145608	8.495667	3.220023E-02			15	
Bromoform	0.5837936	11.25159	11.67833	1.045038E-02			SPCC (0.1)	
Bromomethane	0.1996656	25.30158	2.548	9.710967E-02		0.9998164	0.99	
Bromofluorobenzene	0.9537421	2.553675	12.111	2.345197E-02			15	
n-Butylbenzene	1.565417	6.406524	13.71167	8.489831E-03			15	
2-Butanone	9.119319E-02	6.106644	6.027	0.1194969			15	
sec-Butylbenzene	2.198564	6.309366	13.169	1.968385E-02			15	
tert-Butylbenzene	1.870394	7.078556	12.93333	2.432699E-02			15	
Carbon disulfide	0.6341814	9.256693	4.530333	4.583279E-02			15	
Carbon tetrachloride	0.3561029	8.406799	7.467	3.650027E-02			15	
Chlorobenzene	2.004086	4.899357	10.949	1.081874E-02			SPCC (0.3)	
Chloroethane	0.1409348	7.472428	2.681	0.1112945			15	
Chloroform	0.4696998	1.714332	6.551667	0.0460296			CCC (20)	
2-Chloroethyl vinyl ether	0.1484931	10.94308	8.856667	0.0175683			15	
Chloromethane	0.1898294	5.624589	1.955667	0.1350275			SPCC (0.1)	
1-Chlorohexane	0.8971801	5.990324	10.91556	3.264453E-02			15	
2-Chlorotoluene	1.673694	6.372551	12.49733	2.829615E-02			15	
4-Chlorotoluene	1.94579	5.942537	12.561	7.068191E-03			15	
Cyclohexane	0.3043834	5.821107	7.397333	3.324294E-02			15	
Dibromochloromethane	0.8224596	6.739725	10.176	1.888495E-02			15	
1,2-Dibromo-3-chloropropane	0.1724626	13.59875	14.32033	1.546671E-02			15	
1,2-Dibromoethane (EDB)	0.6747029	7.88749	10.39367	3.054429E-02			15	
Dibromomethane	0.1628825	8.38466	8.43	1.727897E-02			15	
1,2-Dichlorobenzene	1.323766	6.511746	13.67333	0.0156863			15	
1,3-Dichlorobenzene	1.370489	5.923277	13.26089	9.704937E-03			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2191002	Instrument:	MS-VOA3		
Matrix:	Water	Calibration Dates:	7/5/12 8:34	7/5/12 12:23	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.406356	4.042645	13.352	7.502474E-03			15	
Dichlorodifluoromethane	0.1652651	13.43092	1.750556	3.055209E-02			15	
1,1-Dichloroethane	0.4133347	4.432374	5.565667	3.207722E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3263342	7.4082	7.327	4.038871E-02			15	
1,1-Dichloroethene	0.2314039	4.029754	3.970333	5.159574E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2824668	7.068855	6.294333	3.025872E-02			15	
trans-1,2-Dichloroethene	0.2652162	6.261999	5.176333	4.216125E-02			15	
1,2-Dichloroethene (total)	0.2738415	6.548824	6.294333	3.025872E-02			15	
1,2-Dichloropropane	0.228004	7.646053	8.317	5.459083E-02			CCC (20)	
1,3-Dichloropropane	0.9974605	6.98935	9.917555	4.488335E-02			15	
2,2-Dichloropropane	0.3337017	6.657253	6.402778	6.902203E-02			15	
1,1-Dichloropropene	0.3349127	7.607314	7.345111	4.381661E-02			15	
cis-1,3-Dichloropropene	0.3889946	10.5534	9.075	5.230454E-03			15	
trans-1,3-Dichloropropene	1.003469	7.202267	9.55	0.0205681			15	
Diisopropyl Ether	0.7134962	6.1192	5.947333	6.069321E-02			15	
Ethylbenzene	3.094414	6.262943	11.09633	2.319594E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6777122	7.144613	6.422889	2.021754E-02			15	
Ethyl Methacrylate	0.7140804	14.24797	9.738	0.0131431			15	
Hexachlorobutadiene	0.3176563	5.064805	15.688	1.776325E-02			15	
2-Hexanone	0.3224331	8.816012	9.855333	2.939583E-02			15	
Iodomethane	0.308582	31.24251	4.172	2.442068E-02	0.9995813		0.995	
Isopropylbenzene	2.77148	8.864887	12.001	0.0227546			15	
p-Isopropyltoluene	2.015086	7.099308	13.309	1.723665E-02			15	
Methylene chloride	0.2677359	4.995124	4.476	2.511219E-03			15	
Methyl Acetate	0.1346764	5.843418	4.33825	7.208094E-02			15	
Methylcyclohexane	0.2955857	7.002147	8.649	0.0189802			15	
Naphthalene	2.229654	12.57534	15.56	1.343556E-02			15	
Methyl Methacrylate	0.1732998	9.811308	8.454222	2.495149E-02			15	
4-Methyl-2-pentanone	0.1868854	7.524585	8.997334	3.535878E-02			15	
Methyl t-Butyl Ether	0.6021086	7.194313	5.172222	6.119894E-02			15	
n-Propylbenzene	2.608992	6.386131	12.413	1.671901E-02			15	
Styrene	2.199079	11.29941	11.57356	3.082598E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2191002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/5/12 8:34 7/5/12 12:23

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6233107	3.403575	11.92733	3.235038E-04			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.7475932	6.45183	10.99133	0.0130131			15	
tert-Butyl alcohol	0.0130893	24.94553	4.116143	0.1317209	0.9977957		0.995	
Tetrachloroethene	0.8245587	4.129476	10.292	1.535585E-02			15	
Toluene	1.671702	8.026237	9.549889	1.900884E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.7755599	8.29365	15.84667	5.89957E-03			15	
1,2,4-Trichlorobenzene	0.8396013	6.38838	15.406	1.995551E-02			15	
1,1,2-Trichloroethane	0.4532266	11.29848	9.706667	0.0316396			15	
1,1,1-Trichloroethane	0.3928422	8.294304	7.122	2.025274E-02			15	
Tetrahydrofuran	2.403813E-02	32.1672	6.769286	0.1429289	0.9993522		0.995	
Trichloroethene	0.2602307	7.673089	8.268667	3.522316E-02			15	
Trichlorofluoromethane	0.3632165	4.352297	3.182	9.266958E-02			15	
1,2,3-Trichloropropane	0.2649827	9.569599	12.05133	3.190078E-02			15	
1,3,5-Trimethylbenzene	1.91207	8.185425	12.59111	0.0191309			15	
1,2,4-Trimethylbenzene	2.030273	7.76534	12.96478	3.015613E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2186386	9.105353	4.053334	0.1071518			15	
Vinyl chloride	0.2085933	2.772469	2.110556	0.1332124			CCC (20)	
m,p-Xylene	2.418384	7.305867	11.20989	1.977905E-02			15	
o-Xylene	2.509671	6.858845	11.60333	2.924163E-02			15	
Vinyl acetate	0.4016418	12.59635	5.644	9.927811E-03			15	
Xylenes (total)	2.448813	7.116848	11.60333	2.924163E-02			15	
Dibromofluoromethane	0.2703419	1.563723	6.727	1.389808E-02			15	
1,2-Dichloroethane-d4	6.873084E-02	3.216511	7.232667	2.868635E-02			15	
Toluene-d8	2.407491	1.899137	9.476889	2.013297E-02			15	
tert-Amyl alcohol	1.058825E-02	27.10739	6.929714	6.724782E-02	0.9971591		0.995	
tert-Amyl ethyl ether	0.5279685	9.340352	8.586778	2.642636E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQICV2.D	Calibration Date:	07/05/12 08:34
Sequence:	2G18803	Injection Date:	07/05/12
Lab Sample ID:	2G18803-ICV2	Injection Time:	13:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	195.1	5.530587E-02	5.395458E-02		-2.4	20
Benzene	A	100.0	106.1	0.9831972	1.043388		6.1	20
Bromobenzene	A	100.0	108.6	0.7522503	0.8166487		8.6	20
Bromochloromethane	A	100.0	106.9	0.1556926	0.1664776		6.9	20
Bromodichloromethane	A	100.0	108.8	0.3595313	0.3910951		8.8	20
Bromoform	A	100.0	110.5	0.5837936	0.645213	0.1	10.5	20
Bromomethane	Q	100.0	100.7	0.1996656	0.1670248		0.7	20
n-Butylbenzene	A	100.0	104.6	1.565417	1.637719		4.6	20
2-Butanone	A	200.0	203.3	9.119319E-02	9.271082E-02		1.7	20
sec-Butylbenzene	A	100.0	108.3	2.198564	2.380636		8.3	20
tert-Butylbenzene	A	100.0	107.8	1.870394	2.016197		7.8	20
Carbon disulfide	A	100.0	107.2	0.6341814	0.6800403		7.2	20
Carbon tetrachloride	A	100.0	108.8	0.3561029	0.3875289		8.8	20
Chlorobenzene	A	100.0	104.1	2.004086	2.086262	0.3	4.1	20
Chloroethane	A	100.0	104.7	0.1409348	0.1475355		4.7	20
Chloroform	A	100.0	100.8	0.4696998	0.4735104		0.8	20
Chloromethane	A	100.0	98.67	0.1898294	0.1873001	0.1	-1.3	20
2-Chlorotoluene	A	100.0	107.6	1.673694	1.800249		7.6	20
4-Chlorotoluene	A	100.0	107.0	1.94579	2.081379		7.0	20
Dibromochloromethane	A	100.0	107.0	0.8224596	0.8795868		6.9	20
1,2-Dibromo-3-chloropropane	A	100.0	108.0	0.1724626	0.1861945		8.0	20
1,2-Dibromoethane (EDB)	A	100.0	108.8	0.6747029	0.7342373		8.8	20
Dibromomethane	A	100.0	105.1	0.1628825	0.1711716		5.1	20
1,2-Dichlorobenzene	A	100.0	108.2	1.323766	1.432412		8.2	20
1,3-Dichlorobenzene	A	100.0	107.0	1.370489	1.465704		6.9	20
1,4-Dichlorobenzene	A	100.0	104.8	1.406356	1.474617		4.9	20
Dichlorodifluoromethane	A	100.0	112.2	0.1652651	0.1853638		12.2	20
1,1-Dichloroethane	A	100.0	106.0	0.4133347	0.4383619	0.1	6.1	20
1,2-Dichloroethane	A	100.0	103.0	0.3263342	0.3362022		3.0	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQICV2.D	Calibration Date:	07/05/12 08:34
Sequence:	2G18803	Injection Date:	07/05/12
Lab Sample ID:	2G18803-ICV2	Injection Time:	13:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	105.0	0.2314039	0.2429907		5.0	20
cis-1,2-Dichloroethene	A	100.0	106.6	0.2824668	0.3010274		6.6	20
trans-1,2-Dichloroethene	A	100.0	106.0	0.2652162	0.2810325		6.0	20
1,2-Dichloropropane	A	100.0	109.4	0.228004	0.2493732		9.4	20
1,3-Dichloropropane	A	100.0	107.1	0.9974605	1.068559		7.1	20
2,2-Dichloropropane	A	100.0	98.59	0.3337017	0.3289912		-1.4	20
1,1-Dichloropropene	A	100.0	105.9	0.3349127	0.3545728		5.9	20
cis-1,3-Dichloropropene	A	100.0	108.9	0.3889946	0.4234824		8.9	20
trans-1,3-Dichloropropene	A	100.0	106.2	1.003469	1.065335		6.2	20
Ethylbenzene	A	100.0	107.5	3.094414	3.327537		7.5	20
Hexachlorobutadiene	A	100.0	101.3	0.3176563	0.3216946		1.3	20
2-Hexanone	A	200.0	215.5	0.3224331	0.34747		7.8	20
Isopropylbenzene	A	100.0	108.7	2.77148	3.013783		8.7	20
p-Isopropyltoluene	A	100.0	105.9	2.015086	2.134629		5.9	20
Methylene chloride	A	100.0	99.77	0.2677359	0.2671116		-0.2	20
Naphthalene	A	100.0	112.1	2.229654	2.498578		12.1	20
4-Methyl-2-pentanone	A	200.0	214.4	0.1868854	0.2003631		7.2	20
Methyl t-Butyl Ether	A	100.0	107.6	0.6021086	0.647549		7.5	20
n-Propylbenzene	A	100.0	107.2	2.608992	2.7977		7.2	20
Styrene	A	100.0	110.3	2.199079	2.424929		10.3	20
1,1,2,2-Tetrachloroethane	A	100.0	102.4	0.6233107	0.6383058	0.3	2.4	20
1,1,1,2-Tetrachloroethane	A	100.0	107.9	0.7475932	0.8068029		7.9	20
Tetrachloroethene	A	100.0	106.0	0.8245587	0.8739534		6.0	20
Toluene	A	100.0	104.7	1.671702	1.74967		4.7	20
1,2,3-Trichlorobenzene	A	100.0	110.4	0.7755599	0.8558591		10.4	20
1,2,4-Trichlorobenzene	A	100.0	107.9	0.8396013	0.9061214		7.9	20
1,1,2-Trichloroethane	A	100.0	111.2	0.4532266	0.5040977		11.2	20
1,1,1-Trichloroethane	A	100.0	105.6	0.3928422	0.4148253		5.6	20
Trichloroethene	A	100.0	108.1	0.2602307	0.2814114		8.1	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQICV2.D	Calibration Date:	07/05/12 08:34
Sequence:	2G18803	Injection Date:	07/05/12
Lab Sample ID:	2G18803-ICV2	Injection Time:	13:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	101.8	0.3632165	0.3698936		1.8	20
1,2,3-Trichloropropane	A	100.0	105.9	0.2649827	0.2805674		5.9	20
1,3,5-Trimethylbenzene	A	100.0	110.1	1.91207	2.10535		10.1	20
1,2,4-Trimethylbenzene	A	100.0	107.5	2.030273	2.181744		7.5	20
Vinyl chloride	A	100.0	107.4	0.2085933	0.2241019		7.4	20
Xylenes (total)	A	300.0	319.3	2.448813	2.606805		6.5	20
Bromofluorobenzene	A	30.00	30.72	0.9537421	0.9766412		2.4	20
Dibromofluoromethane	A	30.00	29.37	0.2703419	0.2646938		-2.1	20
1,2-Dichloroethane-d4	A	30.00	30.37	6.873084E-02	6.958614E-02		1.2	20
Toluene-d8	A	30.00	30.33	2.407491	2.43436		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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/05/12 08:34
Sequence:	2G19805	Injection Date:	07/13/12
Lab Sample ID:	2G19805-CCV1	Injection Time:	06:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	231.6	5.530587E-02	6.403208E-02		15.8	20
Benzene	A	100.0	101.8	0.9831972	1.000587		1.8	20
Bromobenzene	A	100.0	96.14	0.7522503	0.7232158		-3.9	20
Bromochloromethane	A	100.0	101.0	0.1556926	0.1572148		1.0	20
Bromodichloromethane	A	100.0	111.1	0.3595313	0.3994449		11.1	20
Bromoform	A	100.0	101.7	0.5837936	0.5939061	0.1	1.7	20
Bromomethane	Q	100.0	92.84	0.1996656	0.1536768		-7.2	20
n-Butylbenzene	A	100.0	103.6	1.565417	1.622045		3.6	20
2-Butanone	A	200.0	253.6	9.119319E-02	0.1156559		26.8	20 *
sec-Butylbenzene	A	100.0	101.0	2.198564	2.219354		0.9	20
tert-Butylbenzene	A	100.0	98.95	1.870394	1.850804		-1.0	20
Carbon disulfide	A	100.0	105.9	0.6341814	0.6717916		5.9	20
Carbon tetrachloride	A	100.0	111.0	0.3561029	0.3951004		11.0	20
Chlorobenzene	A	100.0	92.77	2.004086	1.859181	0.3	-7.2	20
Chloroethane	A	100.0	105.6	0.1409348	0.1488841		5.6	20
Chloroform	A	100.0	100.0	0.4696998	0.4697957		0.02	20
Chloromethane	A	100.0	109.1	0.1898294	0.2071168	0.1	9.1	20
2-Chlorotoluene	A	100.0	100.6	1.673694	1.682958		0.6	20
4-Chlorotoluene	A	100.0	100.8	1.94579	1.961715		0.8	20
Dibromochloromethane	A	100.0	98.35	0.8224596	0.8088847		-1.7	20
1,2-Dibromo-3-chloropropane	A	100.0	100.8	0.1724626	0.1738438		0.8	20
1,2-Dibromoethane (EDB)	A	100.0	98.07	0.6747029	0.6616729		-1.9	20
Dibromomethane	A	100.0	106.8	0.1628825	0.1739362		6.8	20
1,2-Dichlorobenzene	A	100.0	100.6	1.323766	1.331284		0.6	20
1,3-Dichlorobenzene	A	100.0	96.17	1.370489	1.317936		-3.8	20
1,4-Dichlorobenzene	A	100.0	97.33	1.406356	1.368827		-2.7	20
Dichlorodifluoromethane	A	100.0	119.7	0.1652651	0.1978648		19.7	20
1,1-Dichloroethane	A	100.0	105.6	0.4133347	0.4365037	0.1	5.6	20
1,2-Dichloroethane	A	100.0	108.0	0.3263342	0.3523884		8.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/05/12 08:34
Sequence:	2G19805	Injection Date:	07/13/12
Lab Sample ID:	2G19805-CCV1	Injection Time:	06:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	97.76	0.2314039	0.2262175		-2.2	20
cis-1,2-Dichloroethene	A	100.0	101.3	0.2824668	0.2861866		1.3	20
trans-1,2-Dichloroethene	A	100.0	98.46	0.2652162	0.2611233		-1.5	20
1,2-Dichloropropane	A	100.0	110.0	0.228004	0.2508908		10.0	20
1,3-Dichloropropane	A	100.0	100.8	0.9974605	1.005731		0.8	20
2,2-Dichloropropane	A	100.0	111.9	0.3337017	0.3734663		11.9	20
1,1-Dichloropropene	A	100.0	106.6	0.3349127	0.3570191		6.6	20
cis-1,3-Dichloropropene	A	100.0	110.4	0.3889946	0.4294595		10.4	20
trans-1,3-Dichloropropene	A	100.0	99.38	1.003469	0.9972251		-0.6	20
Ethylbenzene	A	100.0	96.10	3.094414	2.973764		-3.9	20
Hexachlorobutadiene	A	100.0	87.43	0.3176563	0.2777427		-12.6	20
2-Hexanone	A	200.0	255.6	0.3224331	0.411991		27.8	20 *
Isopropylbenzene	A	100.0	98.08	2.77148	2.718329		-1.9	20
p-Isopropyltoluene	A	100.0	102.7	2.015086	2.070032		2.7	20
Methylene chloride	A	100.0	95.59	0.2677359	0.2559363		-4.4	20
Naphthalene	A	100.0	102.5	2.229654	2.285667		2.5	20
4-Methyl-2-pentanone	A	200.0	269.1	0.1868854	0.251444		34.5	20 *
Methyl t-Butyl Ether	A	100.0	102.7	0.6021086	0.618229		2.7	20
n-Propylbenzene	A	100.0	100.4	2.608992	2.618678		0.4	20
Styrene	A	100.0	95.94	2.199079	2.10976		-4.1	20
1,1,2,2-Tetrachloroethane	A	100.0	101.6	0.6233107	0.6332925	0.3	1.6	20
1,1,1,2-Tetrachloroethane	A	100.0	98.96	0.7475932	0.7398184		-1.0	20
Tetrachloroethene	A	100.0	89.06	0.8245587	0.7343196		-10.9	20
Toluene	A	100.0	93.60	1.671702	1.564774		-6.4	20
1,2,3-Trichlorobenzene	A	100.0	95.51	0.7755599	0.7407		-4.5	20
1,2,4-Trichlorobenzene	A	100.0	95.55	0.8396013	0.8022193		-4.5	20
1,1,2-Trichloroethane	A	100.0	103.0	0.4532266	0.466777		3.0	20
1,1,1-Trichloroethane	A	100.0	107.3	0.3928422	0.4214244		7.3	20
Trichloroethene	A	100.0	104.7	0.2602307	0.2724675		4.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/05/12 08:34
Sequence:	2G19805	Injection Date:	07/13/12
Lab Sample ID:	2G19805-CCV1	Injection Time:	06:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	103.0	0.3632165	0.3742848		3.0	20
1,2,3-Trichloropropane	A	100.0	104.3	0.2649827	0.2764107		4.3	20
1,3,5-Trimethylbenzene	A	100.0	100.9	1.91207	1.929059		0.9	20
1,2,4-Trimethylbenzene	A	100.0	99.37	2.030273	2.017425		-0.6	20
Vinyl chloride	A	100.0	103.8	0.2085933	0.2164872		3.8	20
Xylenes (total)	A	300.0	288.3	2.448813	2.352903		-3.9	20
Bromofluorobenzene	A	30.00	30.64	0.9537421	0.9740351		2.1	20
Dibromofluoromethane	A	30.00	30.71	0.2703419	0.276702		2.4	20
1,2-Dichloroethane-d4	A	30.00	30.61	6.873084E-02	7.012827E-02		2.0	20
Toluene-d8	A	30.00	29.01	2.407491	2.328263		-3.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/05/12 08:34
Sequence:	2G20204	Injection Date:	07/19/12
Lab Sample ID:	2G20204-CCV1	Injection Time:	11:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	189.6	5.530587E-02	5.243344E-02		-5.2	20
Benzene	A	100.0	107.0	0.9831972	1.051889		7.0	20
Bromobenzene	A	100.0	105.4	0.7522503	0.7930794		5.4	20
Bromochloromethane	A	100.0	126.7	0.1556926	0.1972647		26.7	20 *
Bromodichloromethane	A	100.0	124.3	0.3595313	0.4469365		24.3	20 *
Bromoform	A	100.0	121.5	0.5837936	0.7090642	0.1	21.5	20 *
Bromomethane	Q	100.0	92.88	0.1996656	0.1537389		-7.1	20
n-Butylbenzene	A	100.0	96.16	1.565417	1.505339		-3.8	20
2-Butanone	A	200.0	196.1	9.119319E-02	8.940337E-02		-2.0	20
sec-Butylbenzene	A	100.0	101.1	2.198564	2.223117		1.1	20
tert-Butylbenzene	A	100.0	104.5	1.870394	1.955215		4.5	20
Carbon disulfide	A	100.0	108.6	0.6341814	0.6886551		8.6	20
Carbon tetrachloride	A	100.0	132.3	0.3561029	0.4710301		32.3	20 *
Chlorobenzene	A	100.0	108.6	2.004086	2.176386	0.3	8.6	20
Chloroethane	A	100.0	102.3	0.1409348	0.1441314		2.3	20
Chloroform	A	100.0	112.4	0.4696998	0.5280658		12.4	20
Chloromethane	A	100.0	106.9	0.1898294	0.2029135	0.1	6.9	20
2-Chlorotoluene	A	100.0	98.07	1.673694	1.641312		-1.9	20
4-Chlorotoluene	A	100.0	99.34	1.94579	1.932906		-0.7	20
Dibromochloromethane	A	100.0	120.8	0.8224596	0.9933779		20.8	20 *
1,2-Dibromo-3-chloropropane	A	100.0	103.3	0.1724626	0.1781974		3.3	20
1,2-Dibromoethane (EDB)	A	100.0	109.7	0.6747029	0.7399945		9.7	20
Dibromomethane	A	100.0	117.0	0.1628825	0.190529		17.0	20
1,2-Dichlorobenzene	A	100.0	109.2	1.323766	1.445964		9.2	20
1,3-Dichlorobenzene	A	100.0	106.0	1.370489	1.452485		6.0	20
1,4-Dichlorobenzene	A	100.0	106.7	1.406356	1.50086		6.7	20
Dichlorodifluoromethane	A	100.0	139.5	0.1652651	0.2306117		39.5	20 *
1,1-Dichloroethane	A	100.0	110.0	0.4133347	0.4547376	0.1	10.0	20
1,2-Dichloroethane	A	100.0	124.1	0.3263342	0.4048575		24.1	20 *

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/05/12 08:34
Sequence:	2G20204	Injection Date:	07/19/12
Lab Sample ID:	2G20204-CCV1	Injection Time:	11:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	105.0	0.2314039	0.2428581		4.9	20
cis-1,2-Dichloroethene	A	100.0	114.0	0.2824668	0.3218615		13.9	20
trans-1,2-Dichloroethene	A	100.0	108.4	0.2652162	0.2876089		8.4	20
1,2-Dichloropropane	A	100.0	108.3	0.228004	0.2469719		8.3	20
1,3-Dichloropropane	A	100.0	103.6	0.9974605	1.033091		3.6	20
2,2-Dichloropropane	A	100.0	119.8	0.3337017	0.3997		19.8	20
1,1-Dichloropropene	A	100.0	108.8	0.3349127	0.3642167		8.7	20
cis-1,3-Dichloropropene	A	100.0	118.6	0.3889946	0.4613408		18.6	20
trans-1,3-Dichloropropene	A	100.0	105.6	1.003469	1.059751		5.6	20
Ethylbenzene	A	100.0	103.0	3.094414	3.188724		3.0	20
Hexachlorobutadiene	A	100.0	92.03	0.3176563	0.2923417		-8.0	20
2-Hexanone	A	200.0	203.0	0.3224331	0.3273362		1.5	20
Isopropylbenzene	A	100.0	114.0	2.77148	3.159257		14.0	20
p-Isopropyltoluene	A	100.0	106.3	2.015086	2.142583		6.3	20
Methylene chloride	A	100.0	99.78	0.2677359	0.2671528		-0.2	20
Naphthalene	A	100.0	108.5	2.229654	2.419057		8.5	20
4-Methyl-2-pentanone	A	200.0	212.6	0.1868854	0.1986663		6.3	20
Methyl t-Butyl Ether	A	100.0	112.1	0.6021086	0.6751827		12.1	20
n-Propylbenzene	A	100.0	96.43	2.608992	2.515926		-3.6	20
Styrene	A	100.0	114.0	2.199079	2.505763		13.9	20
1,1,2,2-Tetrachloroethane	A	100.0	87.43	0.6233107	0.5449387	0.3	-12.6	20
1,1,1,2-Tetrachloroethane	A	100.0	122.5	0.7475932	0.9157295		22.5	20 *
Tetrachloroethene	A	100.0	109.3	0.8245587	0.9014027		9.3	20
Toluene	A	100.0	98.96	1.671702	1.654336		-1.0	20
1,2,3-Trichlorobenzene	A	100.0	107.6	0.7755599	0.8341833		7.6	20
1,2,4-Trichlorobenzene	A	100.0	107.5	0.8396013	0.9029054		7.5	20
1,1,2-Trichloroethane	A	100.0	106.0	0.4532266	0.4806206		6.0	20
1,1,1-Trichloroethane	A	100.0	123.0	0.3928422	0.4831309		23.0	20 *
Trichloroethene	A	100.0	117.4	0.2602307	0.3055539		17.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/05/12 08:34
Sequence:	2G20204	Injection Date:	07/19/12
Lab Sample ID:	2G20204-CCV1	Injection Time:	11:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	114.7	0.3632165	0.4164501		14.7	20
1,2,3-Trichloropropane	A	100.0	115.3	0.2649827	0.3054252		15.3	20
1,3,5-Trimethylbenzene	A	100.0	106.1	1.91207	2.028188		6.1	20
1,2,4-Trimethylbenzene	A	100.0	104.1	2.030273	2.114241		4.1	20
Vinyl chloride	A	100.0	99.79	0.2085933	0.2081546		-0.2	20
Xylenes (total)	A	300.0	319.9	2.448813	2.611713		6.7	20
Bromofluorobenzene	A	30.00	32.02	0.9537421	1.018026		6.7	20
Dibromofluoromethane	A	30.00	32.67	0.2703419	0.2944054		8.9	20
1,2-Dichloroethane-d4	A	30.00	30.94	6.873084E-02	7.088952E-02		3.1	20
Toluene-d8	A	30.00	29.62	2.407491	2.37733		-1.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV2.D	Calibration Date:	07/05/12 08:34
Sequence:	2G20603	Injection Date:	07/23/12
Lab Sample ID:	2G20603-CCV1	Injection Time:	08:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	214.4	5.530587E-02	5.928422E-02		7.2	20
Benzene	A	100.0	95.54	0.9831972	0.9393271		-4.5	20
Bromobenzene	A	100.0	95.09	0.7522503	0.7152839		-4.9	20
Bromochloromethane	A	100.0	115.7	0.1556926	0.1800781		15.7	20
Bromodichloromethane	A	100.0	111.6	0.3595313	0.4013384		11.6	20
Bromoform	A	100.0	113.1	0.5837936	0.6602419	0.1	13.1	20
Bromomethane	Q	100.0	90.74	0.1996656	0.1501367		-9.3	20
n-Butylbenzene	A	100.0	85.27	1.565417	1.334764		-14.7	20
2-Butanone	A	200.0	210.3	9.119319E-02	0.0959064		5.2	20
sec-Butylbenzene	A	100.0	89.70	2.198564	1.972213		-10.3	20
tert-Butylbenzene	A	100.0	95.91	1.870394	1.793914		-4.1	20
Carbon disulfide	A	100.0	96.81	0.6341814	0.6139775		-3.2	20
Carbon tetrachloride	A	100.0	119.6	0.3561029	0.4260944		19.7	20
Chlorobenzene	A	100.0	95.46	2.004086	1.913061	0.3	-4.5	20
Chloroethane	A	100.0	89.15	0.1409348	0.1256474		-10.8	20
Chloroform	A	100.0	101.6	0.4696998	0.4770266		1.6	20
Chloromethane	A	100.0	91.84	0.1898294	0.1743376	0.1	-8.2	20
2-Chlorotoluene	A	100.0	86.53	1.673694	1.448273		-13.5	20
4-Chlorotoluene	A	100.0	86.39	1.94579	1.680943		-13.6	20
Dibromochloromethane	A	100.0	110.4	0.8224596	0.9078242		10.4	20
1,2-Dibromo-3-chloropropane	A	100.0	100.5	0.1724626	0.1733708		0.5	20
1,2-Dibromoethane (EDB)	A	100.0	100.6	0.6747029	0.679058		0.6	20
Dibromomethane	A	100.0	107.5	0.1628825	0.1751087		7.5	20
1,2-Dichlorobenzene	A	100.0	95.90	1.323766	1.269498		-4.1	20
1,3-Dichlorobenzene	A	100.0	96.36	1.370489	1.320575		-3.6	20
1,4-Dichlorobenzene	A	100.0	94.66	1.406356	1.331199		-5.3	20
Dichlorodifluoromethane	A	100.0	126.3	0.1652651	0.2086643		26.3	20 *
1,1-Dichloroethane	A	100.0	96.99	0.4133347	0.4008819	0.1	-3.0	20
1,2-Dichloroethane	A	100.0	113.1	0.3263342	0.3691465		13.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV2.D	Calibration Date:	07/05/12 08:34
Sequence:	2G20603	Injection Date:	07/23/12
Lab Sample ID:	2G20603-CCV1	Injection Time:	08:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.10	0.2314039	0.2223901		-3.9	20
cis-1,2-Dichloroethene	A	100.0	102.1	0.2824668	0.2884222		2.1	20
trans-1,2-Dichloroethene	A	100.0	97.85	0.2652162	0.2595129		-2.2	20
1,2-Dichloropropane	A	100.0	96.87	0.228004	0.2208564		-3.1	20
1,3-Dichloropropane	A	100.0	91.09	0.9974605	0.9086108		-8.9	20
2,2-Dichloropropane	A	100.0	113.0	0.3337017	0.3769815		13.0	20
1,1-Dichloropropene	A	100.0	100.6	0.3349127	0.3367997		0.6	20
cis-1,3-Dichloropropene	A	100.0	106.6	0.3889946	0.4145448		6.6	20
trans-1,3-Dichloropropene	A	100.0	93.01	1.003469	0.9333394		-7.0	20
Ethylbenzene	A	100.0	93.33	3.094414	2.887913		-6.7	20
Hexachlorobutadiene	A	100.0	86.78	0.3176563	0.2756527		-13.2	20
2-Hexanone	A	200.0	206.2	0.3224331	0.332465		3.1	20
Isopropylbenzene	A	100.0	98.63	2.77148	2.733416		-1.4	20
p-Isopropyltoluene	A	100.0	93.28	2.015086	1.879712		-6.7	20
Methylene chloride	A	100.0	92.05	0.2677359	0.2464549		-7.9	20
Naphthalene	A	100.0	99.13	2.229654	2.210257		-0.9	20
4-Methyl-2-pentanone	A	200.0	230.9	0.1868854	0.2157334		15.4	20
Methyl t-Butyl Ether	A	100.0	107.7	0.6021086	0.6483277		7.7	20
n-Propylbenzene	A	100.0	84.11	2.608992	2.194308		-15.9	20
Styrene	A	100.0	100.3	2.199079	2.206073		0.3	20
1,1,2,2-Tetrachloroethane	A	100.0	81.81	0.6233107	0.5099402	0.3	-18.2	20
1,1,1,2-Tetrachloroethane	A	100.0	108.9	0.7475932	0.8143464		8.9	20
Tetrachloroethene	A	100.0	98.64	0.8245587	0.813306		-1.4	20
Toluene	A	100.0	89.15	1.671702	1.490366		-10.8	20
1,2,3-Trichlorobenzene	A	100.0	97.41	0.7755599	0.7554672		-2.6	20
1,2,4-Trichlorobenzene	A	100.0	94.97	0.8396013	0.7973877		-5.0	20
1,1,2-Trichloroethane	A	100.0	97.21	0.4532266	0.4405687		-2.8	20
1,1,1-Trichloroethane	A	100.0	111.4	0.3928422	0.4375191		11.4	20
Trichloroethene	A	100.0	105.7	0.2602307	0.2750608		5.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2191002
Lab File ID:	SEQCCV2.D	Calibration Date:	07/05/12 08:34
Sequence:	2G20603	Injection Date:	07/23/12
Lab Sample ID:	2G20603-CCV1	Injection Time:	08:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	107.2	0.3632165	0.3892684		7.2	20
1,2,3-Trichloropropane	A	100.0	108.9	0.2649827	0.2885323		8.9	20
1,3,5-Trimethylbenzene	A	100.0	93.08	1.91207	1.779661		-6.9	20
1,2,4-Trimethylbenzene	A	100.0	93.22	2.030273	1.892537		-6.8	20
Vinyl chloride	A	100.0	92.05	0.2085933	0.1920072		-8.0	20
Xylenes (total)	A	300.0	281.4	2.448813	2.297435		-6.2	20
Bromofluorobenzene	A	30.00	31.87	0.9537421	1.013188		6.2	20
Dibromofluoromethane	A	30.00	32.35	0.2703419	0.2915223		7.8	20
1,2-Dichloroethane-d4	A	30.00	31.04	6.873084E-02	7.112422E-02		3.5	20
Toluene-d8	A	30.00	28.73	2.407491	2.305516		-4.2	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13004-BLK1 File ID: 0712BLK1.D

Sampled: Prepared: Analyzed: 07/13/12 08:40

Solids: Preparation: 5030B Dilution:

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 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	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_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G13004-BLK1
File ID: 0712BLK1.D
Sampled:
Prepared:
Analyzed: 07/13/12 08:40
Solids:
Preparation: 5030B
Dilution:
Batch: 2G13004
Sequence: 2G19805
Calibration: 2191002
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	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	28.44	94.8	75 - 120	
Dibromofluoromethane	30.00	31.08	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.91	103	70 - 120	
Toluene-d8	30.00	28.53	95.1	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13004-BS1 File ID: 0712LCS1.D

Sampled: Prepared: Analyzed: 07/13/12 07:14

Solids: Preparation: 5030B Dilution:

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	117	2.50	5.00	10.0	
71-43-2	Benzene	48.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.6	0.250	0.500	1.00	
75-25-2	Bromoform	49.1	0.250	0.500	1.00	
74-83-9	Bromomethane	47.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.8	0.250	0.500	1.00	
78-93-3	2-Butanone	120	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	47.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	46.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	48.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.4	0.250	0.500	1.00	
75-00-3	Chloroethane	51.2	0.500	1.00	2.00	
67-66-3	Chloroform	48.0	0.250	0.500	1.00	
74-87-3	Chloromethane	52.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.8	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	50.7	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	41.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	46.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	47.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	50.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	46.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	41.0	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G13004-BS1 | File ID: 0712LCS1.D

Sampled: | Prepared: | Analyzed: 07/13/12 07:14

Solids: | Preparation: 5030B | Dilution:

Batch: 2G13004 | Sequence: 2G19805 | Calibration: 2191002 | Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	127	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	43.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.0	0.500	1.00	2.00	
91-20-3	Naphthalene	48.6	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	127	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	51.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.3	0.250	0.500	1.00	
100-42-5	Styrene	47.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	41.3	0.250	0.500	1.00	
108-88-3	Toluene	46.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.1	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	45.9	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	52.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	45.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	140	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.42	101	75 - 120	
Dibromofluoromethane	30.00	30.17	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.78	99.3	70 - 120	
Toluene-d8	30.00	28.84	96.1	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13004-MS1 File ID: 705109DM.D

Sampled: Prepared: Analyzed: 07/13/12 15:48

Solids: Preparation: 5030B Dilution:

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	680	12.5	25.0	50.0	D
71-43-2	Benzene	265	1.25	2.50	5.00	D
108-86-1	Bromobenzene	240	1.25	2.50	5.00	D
74-97-5	Bromochloromethane	254	1.25	2.50	5.00	D
75-27-4	Bromodichloromethane	277	1.25	2.50	5.00	D
75-25-2	Bromoform	247	1.25	2.50	5.00	D
74-83-9	Bromomethane	245	2.50	5.00	10.0	D
104-51-8	n-Butylbenzene	296	1.25	2.50	5.00	D
78-93-3	2-Butanone	688	12.5	25.0	50.0	X, D
135-98-8	sec-Butylbenzene	277	1.25	2.50	5.00	D
98-06-6	tert-Butylbenzene	270	1.25	2.50	5.00	D
75-15-0	Carbon disulfide	276	1.25	2.50	5.00	D
56-23-5	Carbon tetrachloride	297	1.25	2.50	5.00	D
108-90-7	Chlorobenzene	236	1.25	2.50	5.00	D
75-00-3	Chloroethane	277	2.50	5.00	10.0	D
67-66-3	Chloroform	263	1.25	2.50	5.00	D
74-87-3	Chloromethane	312	1.25	2.50	5.00	D
95-49-8	2-Chlorotoluene	261	1.25	2.50	5.00	D
106-43-4	4-Chlorotoluene	261	1.25	2.50	5.00	D
124-48-1	Dibromochloromethane	239	1.25	2.50	5.00	D
96-12-8	1,2-Dibromo-3-chloropropane	265	2.50	5.00	10.0	D
106-93-4	1,2-Dibromoethane (EDB)	235	1.25	2.50	5.00	D
74-95-3	Dibromomethane	257	1.25	2.50	5.00	D
95-50-1	1,2-Dichlorobenzene	242	1.25	2.50	5.00	D
541-73-1	1,3-Dichlorobenzene	251	1.25	2.50	5.00	D
106-46-7	1,4-Dichlorobenzene	242	1.25	2.50	5.00	D
75-71-8	Dichlorodifluoromethane	331	2.50	5.00	10.0	D
75-34-3	1,1-Dichloroethane	276	1.25	2.50	5.00	D
107-06-2	1,2-Dichloroethane	277	1.25	2.50	5.00	D
75-35-4	1,1-Dichloroethene	256	1.25	2.50	5.00	D
156-59-2	cis-1,2-Dichloroethene	261	1.25	2.50	5.00	D
156-60-5	trans-1,2-Dichloroethene	256	1.25	2.50	5.00	D
78-87-5	1,2-Dichloropropane	275	1.25	2.50	5.00	D
142-28-9	1,3-Dichloropropane	242	1.25	2.50	5.00	D
594-20-7	2,2-Dichloropropane	283	1.25	2.50	5.00	D
563-58-6	1,1-Dichloropropene	282	1.25	2.50	5.00	D
10061-01-5	cis-1,3-Dichloropropene	273	1.25	2.50	5.00	D
10061-02-6	trans-1,3-Dichloropropene	242	1.25	2.50	5.00	D
100-41-4	Ethylbenzene	248	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene	309	1.25	2.50	10.0	D

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13004-MS1 File ID: 705109DM.D

Sampled: Prepared: Analyzed: 07/13/12 15:48

Solids: Preparation: 5030B Dilution:

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	637	6.25	12.5	25.0	X, D
98-82-8	Isopropylbenzene	282	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	272	1.25	2.50	5.00	D
75-09-2	Methylene chloride	247	2.50	5.00	10.0	D
91-20-3	Naphthalene	258	1.25	2.50	10.0	D
108-10-1	4-Methyl-2-pentanone	702	6.25	12.5	25.0	X, D
1634-04-4	Methyl t-Butyl Ether	249	1.25	2.50	5.00	D
103-65-1	n-Propylbenzene	284	1.25	2.50	5.00	D
100-42-5	Styrene	241	1.25	2.50	5.00	D
79-34-5	1,1,2,2-Tetrachloroethane	273	1.25	2.50	5.00	D
630-20-6	1,1,1,2-Tetrachloroethane	244	1.25	2.50	5.00	D
127-18-4	Tetrachloroethene	223	1.25	2.50	5.00	D
108-88-3	Toluene	241	1.25	2.50	5.00	D
87-61-6	1,2,3-Trichlorobenzene	230	1.25	2.50	10.0	D
120-82-1	1,2,4-Trichlorobenzene	230	1.25	2.50	10.0	D
79-00-5	1,1,2-Trichloroethane	254	1.25	2.50	5.00	D
71-55-6	1,1,1-Trichloroethane	283	1.25	2.50	5.00	D
79-01-6	Trichloroethene	267	1.25	2.50	5.00	D
75-69-4	Trichlorofluoromethane	283	2.50	5.00	10.0	D
96-18-4	1,2,3-Trichloropropane	261	2.50	5.00	10.0	D
108-67-8	1,3,5-Trimethylbenzene	275	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	295	1.25	2.50	5.00	D
75-01-4	Vinyl chloride	304	1.25	2.50	5.00	D
1330-20-7	Xylenes (total)	808	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.01	96.7	75 - 120	
Dibromofluoromethane	30.00	31.30	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.04	100	70 - 120	
Toluene-d8	30.00	27.66	92.2	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13004-MSD1 File ID: 705109DS.D

Sampled: Prepared: Analyzed: 07/13/12 16:26

Solids: Preparation: 5030B Dilution:

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	679	12.5	25.0	50.0	D
71-43-2	Benzene	268	1.25	2.50	5.00	D
108-86-1	Bromobenzene	248	1.25	2.50	5.00	D
74-97-5	Bromochloromethane	251	1.25	2.50	5.00	D
75-27-4	Bromodichloromethane	274	1.25	2.50	5.00	D
75-25-2	Bromoform	257	1.25	2.50	5.00	D
74-83-9	Bromomethane	252	2.50	5.00	10.0	D
104-51-8	n-Butylbenzene	305	1.25	2.50	5.00	D
78-93-3	2-Butanone	692	12.5	25.0	50.0	X, D
135-98-8	sec-Butylbenzene	288	1.25	2.50	5.00	D
98-06-6	tert-Butylbenzene	271	1.25	2.50	5.00	D
75-15-0	Carbon disulfide	288	1.25	2.50	5.00	D
56-23-5	Carbon tetrachloride	304	1.25	2.50	5.00	D
108-90-7	Chlorobenzene	251	1.25	2.50	5.00	D
75-00-3	Chloroethane	291	2.50	5.00	10.0	D
67-66-3	Chloroform	260	1.25	2.50	5.00	D
74-87-3	Chloromethane	320	1.25	2.50	5.00	D
95-49-8	2-Chlorotoluene	273	1.25	2.50	5.00	D
106-43-4	4-Chlorotoluene	272	1.25	2.50	5.00	D
124-48-1	Dibromochloromethane	251	1.25	2.50	5.00	D
96-12-8	1,2-Dibromo-3-chloropropane	281	2.50	5.00	10.0	D
106-93-4	1,2-Dibromoethane (EDB)	246	1.25	2.50	5.00	D
74-95-3	Dibromomethane	264	1.25	2.50	5.00	D
95-50-1	1,2-Dichlorobenzene	252	1.25	2.50	5.00	D
541-73-1	1,3-Dichlorobenzene	252	1.25	2.50	5.00	D
106-46-7	1,4-Dichlorobenzene	246	1.25	2.50	5.00	D
75-71-8	Dichlorodifluoromethane	340	2.50	5.00	10.0	D
75-34-3	1,1-Dichloroethane	280	1.25	2.50	5.00	D
107-06-2	1,2-Dichloroethane	273	1.25	2.50	5.00	D
75-35-4	1,1-Dichloroethene	260	1.25	2.50	5.00	D
156-59-2	cis-1,2-Dichloroethene	266	1.25	2.50	5.00	D
156-60-5	trans-1,2-Dichloroethene	262	1.25	2.50	5.00	D
78-87-5	1,2-Dichloropropane	281	1.25	2.50	5.00	D
142-28-9	1,3-Dichloropropane	251	1.25	2.50	5.00	D
594-20-7	2,2-Dichloropropane	281	1.25	2.50	5.00	D
563-58-6	1,1-Dichloropropene	284	1.25	2.50	5.00	D
10061-01-5	cis-1,3-Dichloropropene	271	1.25	2.50	5.00	D
10061-02-6	trans-1,3-Dichloropropene	253	1.25	2.50	5.00	D
100-41-4	Ethylbenzene	263	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene	308	1.25	2.50	10.0	D

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13004-MSD1 File ID: 705109DS.D

Sampled: Prepared: Analyzed: 07/13/12 16:26

Solids: Preparation: 5030B Dilution:

Batch: 2G13004 Sequence: 2G19805 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	683	6.25	12.5	25.0	X, D
98-82-8	Isopropylbenzene	297	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	274	1.25	2.50	5.00	D
75-09-2	Methylene chloride	253	2.50	5.00	10.0	D
91-20-3	Naphthalene	257	1.25	2.50	10.0	D
108-10-1	4-Methyl-2-pentanone	715	6.25	12.5	25.0	X, D
1634-04-4	Methyl t-Butyl Ether	250	1.25	2.50	5.00	D
103-65-1	n-Propylbenzene	307	1.25	2.50	5.00	D
100-42-5	Styrene	252	1.25	2.50	5.00	D
79-34-5	1,1,2,2-Tetrachloroethane	275	1.25	2.50	5.00	D
630-20-6	1,1,1,2-Tetrachloroethane	252	1.25	2.50	5.00	D
127-18-4	Tetrachloroethene	240	1.25	2.50	5.00	D
108-88-3	Toluene	247	1.25	2.50	5.00	D
87-61-6	1,2,3-Trichlorobenzene	235	1.25	2.50	10.0	D
120-82-1	1,2,4-Trichlorobenzene	236	1.25	2.50	10.0	D
79-00-5	1,1,2-Trichloroethane	256	1.25	2.50	5.00	D
71-55-6	1,1,1-Trichloroethane	292	1.25	2.50	5.00	D
79-01-6	Trichloroethene	275	1.25	2.50	5.00	D
75-69-4	Trichlorofluoromethane	283	2.50	5.00	10.0	D
96-18-4	1,2,3-Trichloropropane	273	2.50	5.00	10.0	D
108-67-8	1,3,5-Trimethylbenzene	292	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	301	1.25	2.50	5.00	D
75-01-4	Vinyl chloride	302	1.25	2.50	5.00	D
1330-20-7	Xylenes (total)	855	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.79	99.3	75 - 120	
Dibromofluoromethane	30.00	29.96	99.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.53	95.1	70 - 120	
Toluene-d8	30.00	28.42	94.7	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19928-BLK1 File ID: 0719BLK1.D

Sampled: Prepared: Analyzed: 07/19/12 13:15

Solids: Preparation: 5030B Dilution:

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	X, U
75-25-2	Bromoform		0.250	0.500	1.00	X, U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	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	X, U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	X, 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_056

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

Matrix: Laboratory ID: 2G19928-BLK1 File ID: 0719BLK1.D

Sampled: Prepared: Analyzed: 07/19/12 13:15

Solids: Preparation: 5030B Dilution:

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 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	X, U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	X, 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	30.00	100	75 - 120	
Dibromofluoromethane	30.00	33.37	111	85 - 115	
1,2-Dichloroethane-d4	30.00	32.20	107	70 - 120	
Toluene-d8	30.00	29.25	97.5	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19928-BS1 File ID: 0719LCS1.D

Sampled: Prepared: Analyzed: 07/19/12 11:49

Solids: Preparation: 5030B Dilution:

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.2	2.50	5.00	10.0	
71-43-2	Benzene	51.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	60.8	0.250	0.500	1.00	X
75-27-4	Bromodichloromethane	56.7	0.250	0.500	1.00	X
75-25-2	Bromoform	59.6	0.250	0.500	1.00	X
74-83-9	Bromomethane	46.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	46.9	0.250	0.500	1.00	
78-93-3	2-Butanone	91.0	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	58.2	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	53.5	0.250	0.500	1.00	
75-00-3	Chloroethane	50.0	0.500	1.00	2.00	
67-66-3	Chloroform	52.8	0.250	0.500	1.00	
74-87-3	Chloromethane	48.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	59.7	0.250	0.500	1.00	X
96-12-8	1,2-Dibromo-3-chloropropane	49.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.1	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	50.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.8	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	44.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.2	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	51.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	57.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	53.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	45.8	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19928-BS1 File ID: 0719LCS1.D

Sampled: Prepared: Analyzed: 07/19/12 11:49

Solids: Preparation: 5030B Dilution:

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	102	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	50.9	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.8	0.500	1.00	2.00	
91-20-3	Naphthalene	51.4	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	54.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	44.9	0.250	0.500	1.00	
100-42-5	Styrene	55.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	42.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	60.4	0.250	0.500	1.00	X
127-18-4	Tetrachloroethene	51.4	0.250	0.500	1.00	
108-88-3	Toluene	50.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.1	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	51.2	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	55.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.6	0.250	0.500	1.00	X
79-01-6	Trichloroethene	54.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.0	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	57.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	157	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.25	108	75 - 120	
Dibromofluoromethane	30.00	31.56	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.55	102	70 - 120	
Toluene-d8	30.00	29.79	99.3	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19928-MS1 File ID: 0706719M.D

Sampled: Prepared: Analyzed: 07/19/12 20:53

Solids: Preparation: 5030B Dilution:

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	91.2	2.50	5.00	10.0	
71-43-2	Benzene	55.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	61.2	0.250	0.500	1.00	X
75-27-4	Bromodichloromethane	59.0	0.250	0.500	1.00	X
75-25-2	Bromoform	58.6	0.250	0.500	1.00	X
74-83-9	Bromomethane	45.1	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.6	0.250	0.500	1.00	
78-93-3	2-Butanone	90.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	50.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	71.6	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	54.0	0.250	0.500	1.00	
75-00-3	Chloroethane	56.4	0.500	1.00	2.00	
67-66-3	Chloroform	56.1	0.250	0.500	1.00	
74-87-3	Chloromethane	52.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	58.2	0.250	0.500	1.00	X
96-12-8	1,2-Dibromo-3-chloropropane	47.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	53.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	56.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	72.1	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	55.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	59.5	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	51.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	57.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	57.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	55.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	54.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	57.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	57.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	52.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	43.1	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2G19928-MS1	File ID:	0706719M.D
Sampled:		Prepared:		Analyzed:	07/19/12 20:53
Solids:		Preparation:	5030B	Dilution:	

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.2	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	55.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	52.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.2	0.500	1.00	2.00	
91-20-3	Naphthalene	47.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	54.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.3	0.250	0.500	1.00	
100-42-5	Styrene	55.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	41.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	62.4	0.250	0.500	1.00	X
127-18-4	Tetrachloroethene	56.1	0.250	0.500	1.00	
108-88-3	Toluene	52.3	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.4	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	48.6	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	53.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	66.0	0.250	0.500	1.00	X
79-01-6	Trichloroethene	58.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	67.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	55.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	53.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	59.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	164	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.78	106	75 - 120	
Dibromofluoromethane	30.00	31.97	107	85 - 115	
1,2-Dichloroethane-d4	30.00	29.89	99.6	70 - 120	
Toluene-d8	30.00	29.10	97.0	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19928-MSD1 File ID: 0706719S.D

Sampled: Prepared: Analyzed: 07/19/12 21:22

Solids: Preparation: 5030B Dilution:

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	86.2	2.50	5.00	10.0	
71-43-2	Benzene	53.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	60.8	0.250	0.500	1.00	X
75-27-4	Bromodichloromethane	57.5	0.250	0.500	1.00	X
75-25-2	Bromoform	55.2	0.250	0.500	1.00	X
74-83-9	Bromomethane	48.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.1	0.250	0.500	1.00	
78-93-3	2-Butanone	90.1	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	47.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	67.8	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	51.4	0.250	0.500	1.00	
75-00-3	Chloroethane	52.3	0.500	1.00	2.00	
67-66-3	Chloroform	54.2	0.250	0.500	1.00	
74-87-3	Chloromethane	52.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.1	0.250	0.500	1.00	X
96-12-8	1,2-Dibromo-3-chloropropane	47.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	69.4	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	52.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	58.8	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	49.5	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.6	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	50.9	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.3	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G19928-MSD1	File ID:	0706719S.D
Sampled:		Prepared:		Analyzed:	07/19/12 21:22
Solids:		Preparation:	5030B	Dilution:	

Batch: 2G19928 Sequence: 2G20204 Calibration: 2191002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	89.5	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	50.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.5	0.500	1.00	2.00	
91-20-3	Naphthalene	49.4	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	95.6	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.4	0.250	0.500	1.00	
100-42-5	Styrene	52.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	42.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	58.3	0.250	0.500	1.00	X
127-18-4	Tetrachloroethene	52.0	0.250	0.500	1.00	
108-88-3	Toluene	49.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.1	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	48.2	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	51.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	62.9	0.250	0.500	1.00	X
79-01-6	Trichloroethene	58.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	62.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	54.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	58.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	154	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.49	102	75 - 120	
Dibromofluoromethane	30.00	31.85	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.31	101	70 - 120	
Toluene-d8	30.00	27.93	93.1	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G23013-BLK1 File ID: 0723BLK1.D

Sampled: Prepared: Analyzed: 07/23/12 10:08

Solids: Preparation: 5030B Dilution:

Batch: 2G23013 Sequence: 2G20603 Calibration: 2191002 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G23013-BLK1 File ID: 0723BLK1.D

Sampled: Prepared: Analyzed: 07/23/12 10:08

Solids: Preparation: 5030B Dilution:

Batch: 2G23013 Sequence: 2G20603 Calibration: 2191002 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	30.98	103	75 - 120	
Dibromofluoromethane	30.00	34.38	115	85 - 115	
1,2-Dichloroethane-d4	30.00	32.97	110	70 - 120	
Toluene-d8	30.00	30.31	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G23013-BS1 | File ID: 0723LCS1.D

Sampled: | Prepared: | Analyzed: 07/23/12 08:42

Solids: | Preparation: 5030B | Dilution:

Batch: 2G23013 | Sequence: 2G20603 | Calibration: 2191002 | Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	113	2.50	5.00	10.0	
71-43-2	Benzene	50.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.6	0.250	0.500	1.00	
75-25-2	Bromoform	56.1	0.250	0.500	1.00	
74-83-9	Bromomethane	45.7	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	45.0	0.250	0.500	1.00	
78-93-3	2-Butanone	111	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	45.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	62.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.5	0.250	0.500	1.00	
75-00-3	Chloroethane	48.8	0.500	1.00	2.00	
67-66-3	Chloroform	51.1	0.250	0.500	1.00	
74-87-3	Chloromethane	45.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	44.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	43.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	54.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.9	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	50.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.5	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.2	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	58.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	49.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.7	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G23013-BS1
File ID: 0723LCS1.D
Sampled:
Prepared:
Analyzed: 07/23/12 08:42
Solids:
Preparation: 5030B
Dilution:
Batch: 2G23013
Sequence: 2G20603
Calibration: 2191002
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	112	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.9	0.500	1.00	2.00	
91-20-3	Naphthalene	51.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	117	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	55.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	43.5	0.250	0.500	1.00	
100-42-5	Styrene	51.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	42.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	56.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.7	0.250	0.500	1.00	
108-88-3	Toluene	47.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	48.9	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	50.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	58.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	57.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	56.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	48.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	47.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	147	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.57	102	75 - 120	
Dibromofluoromethane	30.00	31.77	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.72	102	70 - 120	
Toluene-d8	30.00	29.55	98.5	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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
GW0668	07/10/12 12:54	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 11:11	2.89	14.00	
GW0669	07/10/12 12:54	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 12:19	2.93	14.00	
GW0670	07/10/12 10:54	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 12:48	3.04	14.00	
GW0714	07/09/12 16:41	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 09:37	3.66	14.00	
GW0715	07/09/12 14:21	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 10:43	3.81	14.00	
GW0716	07/09/12 11:55	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 13:17	4.02	14.00	
GW0720	07/09/12 16:53	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 13:53	3.83	14.00	
GW0721	07/09/12 14:41	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 14:22	3.95	14.00	
GW0722	07/09/12 12:23	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 14:50	4.06	14.00	
GW0729	07/10/12 11:17	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 15:19	3.13	14.00	
GW8212-TB	07/09/12 08:00	07/11/12 08:25	07/13/12 00:00	N/A	14.00	07/13/12 09:08	4.01	14.00	
GW0630	07/11/12 10:08	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 14:12	8.13	14.00	
GW0635	07/11/12 12:26	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 14:41	8.05	14.00	
GW0644	07/12/12 10:58	07/13/12 08:30	07/23/12 00:00	N/A	14.00	07/23/12 11:34	10.98	14.00	
GW0645	07/12/12 13:37	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 15:38	7.04	14.00	
GW0646	07/12/12 13:31	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 16:07	7.07	14.00	
GW0647	07/12/12 16:08	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 16:36	6.98	14.00	
GW0651	07/11/12 15:32	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 17:04	8.02	14.00	
GW0652	07/10/12 16:12	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 17:33	9.01	14.00	
GW0658	07/12/12 16:05	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 18:02	7.04	14.00	
GW0659	07/12/12 13:04	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 18:30	7.18	14.00	
GW0660	07/12/12 10:32	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 18:59	7.31	14.00	
GW0701	07/11/12 15:33	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 19:27	8.12	14.00	
GW0702	07/11/12 15:33	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 19:56	8.14	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

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
GW0727	07/11/12 09:46	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 20:25	8.40	14.00	
GW8213-TB	07/11/12 08:00	07/13/12 08:30	07/19/12 00:00	N/A	14.00	07/19/12 13:44	8.20	14.00	

Data for SW8270D Forms

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01	File ID:	0705101.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 15:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		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

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01	File ID:	0705101.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 15:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	39.35	83.4	50 - 110	
2-Fluorophenol	94.34	26.74	28.3	20 - 110	
Nitrobenzene-d5	47.17	35.04	74.3	40 - 110	
Phenol-d6	94.34	15.38	16.3	0 - 110	
Terphenyl-d14	47.17	46.25	98.0	50 - 135	
2,4,6-Tribromophenol	94.34	73.86	78.3	40 - 125	

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	0705103.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 16:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		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

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	0705103.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 16:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	38.47	81.6	50 - 110	
2-Fluorophenol	94.34	28.18	29.9	20 - 110	
Nitrobenzene-d5	47.17	33.78	71.6	40 - 110	
Phenol-d6	94.34	15.83	16.8	0 - 110	
Terphenyl-d14	47.17	46.29	98.1	50 - 135	
2,4,6-Tribromophenol	94.34	78.42	83.1	40 - 125	

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	0705105.D
Sampled:	07/10/12 10:54	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 16:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		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

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	0705105.D
Sampled:	07/10/12 10:54	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 16:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	32.01	68.5	50 - 110	
2-Fluorophenol	93.46	23.64	25.3	20 - 110	
Nitrobenzene-d5	46.73	29.09	62.3	40 - 110	
Phenol-d6	93.46	13.28	14.2	0 - 110	
Terphenyl-d14	46.73	39.50	84.5	50 - 135	
2,4,6-Tribromophenol	93.46	67.17	71.9	40 - 125	

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	0705107.D
Sampled:	07/09/12 16:41	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 17:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		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

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	0705107.D
Sampled:	07/09/12 16:41	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 17:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	2.20	1.20	2.40	4.81	J
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	36.68	76.3	50 - 110	
2-Fluorophenol	96.15	23.39	24.3	20 - 110	
Nitrobenzene-d5	48.08	30.91	64.3	40 - 110	
Phenol-d6	96.15	15.97	16.6	0 - 110	
Terphenyl-d14	48.08	38.91	80.9	50 - 135	
2,4,6-Tribromophenol	96.15	70.10	72.9	40 - 125	

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09	File ID:	0705109.D
Sampled:	07/09/12 14:21	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	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	N, U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		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

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09	File ID:	0705109.D
Sampled:	07/09/12 14:21	Prepared:	07/13/12 14:00	Analyzed:	07/25/12 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20906 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	N, 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	N, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.97	81.9	50 - 110	
2-Fluorophenol	100.0	28.00	28.0	20 - 110	
Nitrobenzene-d5	50.00	40.43	80.9	40 - 110	
Phenol-d6	100.0	19.26	19.3	0 - 110	
Terphenyl-d14	50.00	41.28	82.6	50 - 135	
2,4,6-Tribromophenol	100.0	77.66	77.7	40 - 125	

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	0705111.D
Sampled:	07/09/12 11:55	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 15:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	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

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	0705111.D
Sampled:	07/09/12 11:55	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 15:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	38.24	78.0	50 - 110	
2-Fluorophenol	98.04	29.85	30.4	20 - 110	
Nitrobenzene-d5	49.02	34.52	70.4	40 - 110	
Phenol-d6	98.04	17.49	17.8	0 - 110	
Terphenyl-d14	49.02	43.98	89.7	50 - 135	
2,4,6-Tribromophenol	98.04	76.62	78.1	40 - 125	

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	0705113.D
Sampled:	07/09/12 16:53	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 15:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	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

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	0705113.D
Sampled:	07/09/12 16:53	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 15:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	38.97	79.5	50 - 110	
2-Fluorophenol	98.04	29.67	30.3	20 - 110	
Nitrobenzene-d5	49.02	36.48	74.4	40 - 110	
Phenol-d6	98.04	16.99	17.3	0 - 110	
Terphenyl-d14	49.02	43.76	89.3	50 - 135	
2,4,6-Tribromophenol	98.04	78.88	80.5	40 - 125	

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	0705115.D
Sampled:	07/09/12 14:41	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 15:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	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	1.40	1.20	2.40	4.81	J
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	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

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	0705115.D
Sampled:	07/09/12 14:41	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 15:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	39.94	83.1	50 - 110	
2-Fluorophenol	96.15	29.38	30.6	20 - 110	
Nitrobenzene-d5	48.08	35.89	74.7	40 - 110	
Phenol-d6	96.15	16.85	17.5	0 - 110	
Terphenyl-d14	48.08	43.14	89.7	50 - 135	
2,4,6-Tribromophenol	96.15	77.29	80.4	40 - 125	

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	0705117.D
Sampled:	07/09/12 12:23	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 16:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	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

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	0705117.D
Sampled:	07/09/12 12:23	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 16:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	38.22	79.5	50 - 110	
2-Fluorophenol	96.15	25.91	26.9	20 - 110	
Nitrobenzene-d5	48.08	34.93	72.7	40 - 110	
Phenol-d6	96.15	15.08	15.7	0 - 110	
Terphenyl-d14	48.08	41.33	86.0	50 - 135	
2,4,6-Tribromophenol	96.15	69.42	72.2	40 - 125	

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	0705119.D
Sampled:	07/10/12 11:17	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	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

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	0705119.D
Sampled:	07/10/12 11:17	Prepared:	07/13/12 14:00	Analyzed:	07/26/12 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13009 Sequence: 2G20806 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	46.81	93.6	50 - 110	
2-Fluorophenol	100.0	36.57	36.6	20 - 110	
Nitrobenzene-d5	50.00	40.50	81.0	40 - 110	
Phenol-d6	100.0	20.07	20.1	0 - 110	
Terphenyl-d14	50.00	49.63	99.3	50 - 135	
2,4,6-Tribromophenol	100.0	95.74	95.7	40 - 125	

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	0706701.D
Sampled:	07/11/12 10:08	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 20:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	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	Q, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	0706701.D
Sampled:	07/11/12 10:08	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 20:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	36.06	75.0	50 - 110	
2-Fluorophenol	96.15	12.42	12.9	20 - 110	*
Nitrobenzene-d5	48.08	34.76	72.3	40 - 110	
Phenol-d6	96.15	11.62	12.1	0 - 110	
Terphenyl-d14	48.08	44.21	92.0	50 - 135	
2,4,6-Tribromophenol	96.15	31.26	32.5	40 - 125	*

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	0706703.D
Sampled:	07/11/12 12:26	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 20:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	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	Q, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	0706703.D
Sampled:	07/11/12 12:26	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 20:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	36.09	76.5	50 - 110	
2-Fluorophenol	94.34	22.92	24.3	20 - 110	
Nitrobenzene-d5	47.17	34.05	72.2	40 - 110	
Phenol-d6	94.34	12.92	13.7	0 - 110	
Terphenyl-d14	47.17	41.75	88.5	50 - 135	
2,4,6-Tribromophenol	94.34	69.79	74.0	40 - 125	

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05	File ID:	0706705.D
Sampled:	07/12/12 10:58	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 21:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	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	Q, 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

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05	File ID:	0706705.D
Sampled:	07/12/12 10:58	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 21:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	35.43	75.8	50 - 110	
2-Fluorophenol	93.46	20.30	21.7	20 - 110	
Nitrobenzene-d5	46.73	32.81	70.2	40 - 110	
Phenol-d6	93.46	12.46	13.3	0 - 110	
Terphenyl-d14	46.73	41.58	89.0	50 - 135	
2,4,6-Tribromophenol	93.46	58.91	63.0	40 - 125	

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	0706707.D
Sampled:	07/12/12 13:37	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 21:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	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	1.35	1.18	2.36	4.72	J
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	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	Q, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	0706707.D
Sampled:	07/12/12 13:37	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 21:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	36.47	77.3	50 - 110	
2-Fluorophenol	94.34	13.40	14.2	20 - 110	*
Nitrobenzene-d5	47.17	31.76	67.3	40 - 110	
Phenol-d6	94.34	ND		0 - 110	U
Terphenyl-d14	47.17	39.92	84.6	50 - 135	
2,4,6-Tribromophenol	94.34	41.15	43.6	40 - 125	

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	0706709.D
Sampled:	07/12/12 13:31	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 22:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	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	Q, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	0706709.D
Sampled:	07/12/12 13:31	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 22:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G20806 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	37.90	78.8	50 - 110	
2-Fluorophenol	96.15	25.95	27.0	20 - 110	
Nitrobenzene-d5	48.08	34.59	71.9	40 - 110	
Phenol-d6	96.15	16.58	17.2	0 - 110	
Terphenyl-d14	48.08	35.84	74.5	50 - 135	
2,4,6-Tribromophenol	96.15	66.37	69.0	40 - 125	

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	0706711.D
Sampled:	07/12/12 16:08	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 19:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	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

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	0706711.D
Sampled:	07/12/12 16:08	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 19:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	38.32	82.0	50 - 110	
2-Fluorophenol	93.46	13.41	14.3	20 - 110	*
Nitrobenzene-d5	46.73	38.11	81.5	40 - 110	
Phenol-d6	93.46	12.75	13.6	0 - 110	
Terphenyl-d14	46.73	36.94	79.0	50 - 135	
2,4,6-Tribromophenol	93.46	30.15	32.3	40 - 125	*

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	0706713.D
Sampled:	07/11/12 15:32	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 23:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	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	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	Q, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	0706713.D
Sampled:	07/11/12 15:32	Prepared:	07/18/12 11:50	Analyzed:	07/26/12 23:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	Y, 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	44.13	90.0	50 - 110	
2-Fluorophenol	98.04	20.02	20.4	20 - 110	
Nitrobenzene-d5	49.02	36.73	74.9	40 - 110	
Phenol-d6	98.04	13.88	14.2	0 - 110	
Terphenyl-d14	49.02	40.17	81.9	50 - 135	
2,4,6-Tribromophenol	98.04	56.42	57.5	40 - 125	

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	0706715.D
Sampled:	07/10/12 16:12	Prepared:	07/17/12 15:16	Analyzed:	07/27/12 00:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	Q, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	0706715.D
Sampled:	07/10/12 16:12	Prepared:	07/17/12 15:16	Analyzed:	07/27/12 00:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	Y, 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	36.74	73.5	50 - 110	
2-Fluorophenol	100.0	29.45	29.4	20 - 110	
Nitrobenzene-d5	50.00	33.30	66.6	40 - 110	
Phenol-d6	100.0	16.21	16.2	0 - 110	
Terphenyl-d14	50.00	45.81	91.6	50 - 135	
2,4,6-Tribromophenol	100.0	81.79	81.8	40 - 125	

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	0706717.D
Sampled:	07/12/12 16:05	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 20:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	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

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	0706717.D
Sampled:	07/12/12 16:05	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 20:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	42.71	90.5	50 - 110	
2-Fluorophenol	94.34	4.075	4.32	20 - 110	*
Nitrobenzene-d5	47.17	39.14	83.0	40 - 110	
Phenol-d6	94.34	5.984	6.34	0 - 110	
Terphenyl-d14	47.17	41.81	88.6	50 - 135	
2,4,6-Tribromophenol	94.34	13.34	14.1	40 - 125	*

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17RE1	File ID:	0706717R.D
Sampled:	07/12/12 16:05	Prepared:	07/24/12 07:46	Analyzed:	07/27/12 15:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G24008 Sequence: 2G21207 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	H2, U
208-96-8	Acenaphthylene		1.25	2.50	5.00	H2, U
98-86-2	Acetophenone		1.25	2.50	5.00	H2, U
120-12-7	Anthracene		1.25	2.50	5.00	H2, U
1912-24-9	Atrazine		1.25	2.50	5.00	H2, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	H2, U
92-87-5	Benzidine		12.5	50.0	100	H2, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	H2, U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	H2, U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	H2, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	H2, U
65-85-0	Benzoic acid		12.5	50.0	100	H2, U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	H2, U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	H2, Q, U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	H2, U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	H2, Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	H2, U
86-74-8	Carbazole		1.25	2.50	5.00	H2, U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	H2, U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	H2, U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	H2, U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	H2, U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	H2, X, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	H2, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	H2, U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	H2, U
218-01-9	Chrysene		1.25	2.50	5.00	H2, U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	H2, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	H2, U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	H2, U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	H2, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	H2, U
84-66-2	Diethylphthalate		1.25	2.50	5.00	H2, U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	H2, U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	H2, U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	H2, U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	H2, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	H2, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	H2, U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	H2, U

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17RE1	File ID:	0706717R.D
Sampled:	07/12/12 16:05	Prepared:	07/24/12 07:46	Analyzed:	07/27/12 15:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G24008 Sequence: 2G21207 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	H2, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	H2, U
206-44-0	Fluoranthene		1.25	2.50	5.00	H2, U
86-73-7	Fluorene		1.25	2.50	5.00	H2, U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	H2, U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	H2, U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	H2, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	H2, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	H2, U
78-59-1	Isophorone		1.25	2.50	5.00	H2, U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	H2, U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	H2, U
95-48-7	2-Methylphenol		1.25	2.50	5.00	H2, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	H2, U
91-20-3	Naphthalene		1.25	2.50	5.00	H2, U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	H2, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	H2, U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	H2, Q, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	H2, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	H2, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	H2, U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	H2, U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	H2, U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	H2, U
85-01-8	Phenanthrene		1.25	2.50	5.00	H2, U
108-95-2	Phenol		1.25	2.50	5.00	H2, U
129-00-0	Pyrene		1.25	2.50	5.00	H2, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	H2, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	H2, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.95	85.9	50 - 110	H2
2-Fluorophenol	100.0	21.17	21.2	20 - 110	H2
Nitrobenzene-d5	50.00	38.61	77.2	40 - 110	H2
Phenol-d6	100.0	21.53	21.5	0 - 110	H2
Terphenyl-d14	50.00	51.99	104	50 - 135	H2
2,4,6-Tribromophenol	100.0	35.84	35.8	40 - 125	*H2

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	0706719.D
Sampled:	07/12/12 13:04	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 20:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	N, 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	N, U
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	N, U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	N, U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	N, U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	N, 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	N, 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	N, 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	N, U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	N, 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	N, 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	N, U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	N, 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	N, U
84-66-2	Diethylphthalate		1.16	2.31	4.63	N, 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	N, U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	N, U
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	N, U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	N, U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	N, U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	N, U

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	0706719.D
Sampled:	07/12/12 13:04	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 20:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	N, U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	N, U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	N, U
67-72-1	Hexachloroethane		1.16	2.31	4.63	N, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	N, 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	N, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	N, U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	N, U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	N, U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	N, U
98-95-3	Nitrobenzene		1.16	2.31	4.63	N, U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	N, U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	N, 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	N, U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	N, 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	N, U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	N, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	36.78	79.4	50 - 110	
2-Fluorophenol	92.59	8.763	9.46	20 - 110	*
Nitrobenzene-d5	46.30	37.03	80.0	40 - 110	
Phenol-d6	92.59	7.861	8.49	0 - 110	
Terphenyl-d14	46.30	39.68	85.7	50 - 135	
2,4,6-Tribromophenol	92.59	29.98	32.4	40 - 125	*

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19RE1	File ID:	0706719R.D
Sampled:	07/12/12 13:04	Prepared:	07/24/12 07:46	Analyzed:	07/27/12 16:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G24008 Sequence: 2G21207 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	H2, U
208-96-8	Acenaphthylene		1.18	2.36	4.72	H2, U
98-86-2	Acetophenone		1.18	2.36	4.72	H2, U
120-12-7	Anthracene		1.18	2.36	4.72	H2, U
1912-24-9	Atrazine		1.18	2.36	4.72	H2, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	H2, U
92-87-5	Benzidine		11.8	47.2	94.3	H2, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	H2, U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	H2, U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	H2, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	H2, U
65-85-0	Benzoic acid		11.8	47.2	94.3	H2, N, U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	H2, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	H2, Q, U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	H2, U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	H2, Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	H2, U
86-74-8	Carbazole		1.18	2.36	4.72	H2, U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	H2, U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	H2, U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	H2, U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	H2, U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	H2, X, U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	H2, U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	H2, U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	H2, U
218-01-9	Chrysene		1.18	2.36	4.72	H2, U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	H2, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	H2, U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	H2, U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	H2, U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	H2, N, U
84-66-2	Diethylphthalate		1.18	2.36	4.72	H2, U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	H2, U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	H2, U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	H2, N, U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	H2, N, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	H2, U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	H2, U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	H2, U

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19RE1	File ID:	0706719R.D
Sampled:	07/12/12 13:04	Prepared:	07/24/12 07:46	Analyzed:	07/27/12 16:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G24008 Sequence: 2G21207 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	H2, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	H2, U
206-44-0	Fluoranthene		1.18	2.36	4.72	H2, U
86-73-7	Fluorene		1.18	2.36	4.72	H2, U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	H2, U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	H2, U
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	H2, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	H2, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	H2, U
78-59-1	Isophorone		1.18	2.36	4.72	H2, U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	H2, U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	H2, U
95-48-7	2-Methylphenol		1.18	2.36	4.72	H2, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	H2, U
91-20-3	Naphthalene		1.18	2.36	4.72	H2, U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	H2, U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	H2, U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	H2, Q, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	H2, U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	H2, N, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	H2, N, U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	H2, U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	H2, U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	H2, N, U
85-01-8	Phenanthrene		1.18	2.36	4.72	H2, U
108-95-2	Phenol		1.18	2.36	4.72	H2, U
129-00-0	Pyrene		1.18	2.36	4.72	H2, U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	H2, N, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	H2, N, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	38.37	81.3	50 - 110	H2
2-Fluorophenol	94.34	28.61	30.3	20 - 110	H2
Nitrobenzene-d5	47.17	34.63	73.4	40 - 110	H2
Phenol-d6	94.34	17.30	18.3	0 - 110	H2
Terphenyl-d14	47.17	48.26	102	50 - 135	H2
2,4,6-Tribromophenol	94.34	76.72	81.3	40 - 125	H2

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21	File ID:	0706721.D
Sampled:	07/12/12 10:32	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 21:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	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

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21	File ID:	0706721.D
Sampled:	07/12/12 10:32	Prepared:	07/19/12 11:51	Analyzed:	07/20/12 21:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G19916 Sequence: 2G20509 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	31.14	62.3	50 - 110	
2-Fluorophenol	100.0	22.11	22.1	20 - 110	
Nitrobenzene-d5	50.00	30.40	60.8	40 - 110	
Phenol-d6	100.0	12.18	12.2	0 - 110	
Terphenyl-d14	50.00	34.51	69.0	50 - 135	
2,4,6-Tribromophenol	100.0	73.03	73.0	40 - 125	

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23	File ID:	0706723.D
Sampled:	07/11/12 15:33	Prepared:	07/18/12 11:50	Analyzed:	07/27/12 00:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	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	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	Q, 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

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23	File ID:	0706723.D
Sampled:	07/11/12 15:33	Prepared:	07/18/12 11:50	Analyzed:	07/27/12 00:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	Y, 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	34.94	75.5	50 - 110	
2-Fluorophenol	92.59	21.21	22.9	20 - 110	
Nitrobenzene-d5	46.30	32.03	69.2	40 - 110	
Phenol-d6	92.59	14.41	15.6	0 - 110	
Terphenyl-d14	46.30	37.84	81.7	50 - 135	
2,4,6-Tribromophenol	92.59	53.55	57.8	40 - 125	

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25	File ID:	0706725.D
Sampled:	07/11/12 15:33	Prepared:	07/18/12 11:50	Analyzed:	07/27/12 01:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		7.79	23.4	46.7	Q, 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

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25	File ID:	0706725.D
Sampled:	07/11/12 15:33	Prepared:	07/18/12 11:50	Analyzed:	07/27/12 01:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	Y, 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	38.44	82.3	50 - 110	
2-Fluorophenol	93.46	17.18	18.4	20 - 110	*
Nitrobenzene-d5	46.73	34.97	74.8	40 - 110	
Phenol-d6	93.46	12.16	13.0	0 - 110	
Terphenyl-d14	46.73	37.34	79.9	50 - 135	
2,4,6-Tribromophenol	93.46	47.01	50.3	40 - 125	

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27	File ID:	0706727.D
Sampled:	07/11/12 09:46	Prepared:	07/18/12 11:50	Analyzed:	07/27/12 01:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	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	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	Q, 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

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27	File ID:	0706727.D
Sampled:	07/11/12 09:46	Prepared:	07/18/12 11:50	Analyzed:	07/27/12 01:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17006 Sequence: 2G21201 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	Y, 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	37.14	80.2	50 - 110	
2-Fluorophenol	92.59	16.37	17.7	20 - 110	*
Nitrobenzene-d5	46.30	32.07	69.3	40 - 110	
Phenol-d6	92.59	12.74	13.8	0 - 110	
Terphenyl-d14	46.30	35.88	77.5	50 - 135	
2,4,6-Tribromophenol	92.59	54.70	59.1	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20106	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20106-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 07/18/12 14:15		
2-Fluorobiphenyl	50.00	95.5	80 - 120	8.285	8.285	0.0000	+/-0.500	
2-Fluorophenol	100.0	95.9	80 - 120	3.627	3.627	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	101	80 - 120	5.945	5.945	0.0000	+/-0.500	
Phenol-d6	100.0	96.6	80 - 120	4.782	4.782	0.0000	+/-0.500	
Terphenyl-d14	50.00	97.7	80 - 120	12.85	12.85	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	99.5	80 - 120	10.087	10.087	0.0000	+/-0.500	
Blank (2G17006-BLK1) ug/L				Lab File ID: G17006B1.D		Analyzed: 07/18/12 19:56		
2-Fluorobiphenyl	50.00	74.5	50 - 110	8.278	8.285	-0.0070	+/-0.500	
2-Fluorophenol	100.0	36.8	20 - 110	3.63	3.627	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	74.3	40 - 110	5.94	5.945	-0.0050	+/-0.500	
Phenol-d6	100.0	21.9	0 - 110	4.776	4.782	-0.0060	+/-0.500	
Terphenyl-d14	50.00	95.4	50 - 135	12.851	12.85	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	89.6	40 - 125	10.08	10.087	-0.0070	+/-0.500	
LCS (2G17006-BS1) ug/L				Lab File ID: G17006L1.D		Analyzed: 07/18/12 20:25		
2-Fluorobiphenyl	50.00	89.7	50 - 110	8.279	8.285	-0.0060	+/-0.500	
2-Fluorophenol	100.0	43.2	20 - 110	3.628	3.627	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	86.8	40 - 110	5.938	5.945	-0.0070	+/-0.500	
Phenol-d6	100.0	24.7	0 - 110	4.774	4.782	-0.0080	+/-0.500	
Terphenyl-d14	50.00	94.0	50 - 135	12.843	12.85	-0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	95.2	40 - 125	10.081	10.087	-0.0060	+/-0.500	
LCS Dup (2G17006-BSD1) ug/L				Lab File ID: G17006L2.D		Analyzed: 07/18/12 20:53		
2-Fluorobiphenyl	50.00	85.8	50 - 110	8.283	8.285	-0.0020	+/-0.500	
2-Fluorophenol	100.0	41.4	20 - 110	3.63	3.627	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	80.4	40 - 110	5.936	5.945	-0.0090	+/-0.500	
Phenol-d6	100.0	23.8	0 - 110	4.774	4.782	-0.0080	+/-0.500	
Terphenyl-d14	50.00	89.7	50 - 135	12.848	12.85	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	89.8	40 - 125	10.078	10.087	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20509	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20509-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 07/20/12 14:28		
2-Fluorobiphenyl	50.00	99.8	80 - 120	8.275	8.275	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.6	80 - 120	3.628	3.628	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	95.5	80 - 120	5.936	5.936	0.0000	+/-0.500	
Phenol-d6	100.0	99.2	80 - 120	4.774	4.774	0.0000	+/-0.500	
Terphenyl-d14	50.00	101	80 - 120	12.847	12.847	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	99.5	80 - 120	10.085	10.085	0.0000	+/-0.500	
Blank (2G19916-BLK1) ug/L				Lab File ID: G19916B1.D		Analyzed: 07/20/12 15:26		
2-Fluorobiphenyl	50.00	87.3	50 - 110	8.274	8.275	-0.0010	+/-0.500	
2-Fluorophenol	100.0	35.3	20 - 110	3.628	3.628	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	82.5	40 - 110	5.935	5.936	-0.0010	+/-0.500	
Phenol-d6	100.0	20.8	0 - 110	4.77	4.774	-0.0040	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.851	12.847	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	90.1	40 - 125	10.075	10.085	-0.0100	+/-0.500	
LCS (2G19916-BS1) ug/L				Lab File ID: G19916L1.D		Analyzed: 07/20/12 15:54		
2-Fluorobiphenyl	50.00	83.7	50 - 110	8.276	8.275	0.0010	+/-0.500	
2-Fluorophenol	100.0	31.4	20 - 110	3.626	3.628	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	77.9	40 - 110	5.944	5.936	0.0080	+/-0.500	
Phenol-d6	100.0	18.8	0 - 110	4.769	4.774	-0.0050	+/-0.500	
Terphenyl-d14	50.00	96.0	50 - 135	12.847	12.847	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	85.2	40 - 125	10.082	10.085	-0.0030	+/-0.500	
GW0647 (1207067-11) ug/L				Lab File ID: 0706711.D		Analyzed: 07/20/12 19:37		
2-Fluorobiphenyl	46.73	82.0	50 - 110	8.279	8.275	0.0040	+/-0.500	
2-Fluorophenol	93.46	14.3	20 - 110	3.628	3.628	0.0000	+/-0.500	*
Nitrobenzene-d5	46.73	81.5	40 - 110	5.939	5.936	0.0030	+/-0.500	
Phenol-d6	93.46	13.6	0 - 110	4.774	4.774	0.0000	+/-0.500	
Terphenyl-d14	46.73	79.0	50 - 135	12.846	12.847	-0.0010	+/-0.500	
2,4,6-Tribromophenol	93.46	32.3	40 - 125	10.079	10.085	-0.0060	+/-0.500	*
GW0658 (1207067-17) ug/L				Lab File ID: 0706717.D		Analyzed: 07/20/12 20:05		
2-Fluorobiphenyl	47.17	90.5	50 - 110	8.278	8.275	0.0030	+/-0.500	
2-Fluorophenol	94.34	4.32	20 - 110	3.629	3.628	0.0010	+/-0.500	*
Nitrobenzene-d5	47.17	83.0	40 - 110	5.938	5.936	0.0020	+/-0.500	
Phenol-d6	94.34	6.34	0 - 110	4.774	4.774	0.0000	+/-0.500	
Terphenyl-d14	47.17	88.6	50 - 135	12.844	12.847	-0.0030	+/-0.500	
2,4,6-Tribromophenol	94.34	14.1	40 - 125	10.079	10.085	-0.0060	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20509	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0659 (1207067-19) ug/L				Lab File ID: 0706719.D		Analyzed: 07/20/12 20:32		
2-Fluorobiphenyl	46.30	79.4	50 - 110	8.278	8.275	0.0030	+/-0.500	
2-Fluorophenol	92.59	9.46	20 - 110	3.629	3.628	0.0010	+/-0.500	*
Nitrobenzene-d5	46.30	80.0	40 - 110	5.94	5.936	0.0040	+/-0.500	
Phenol-d6	92.59	8.49	0 - 110	4.774	4.774	0.0000	+/-0.500	
Terphenyl-d14	46.30	85.7	50 - 135	12.846	12.847	-0.0010	+/-0.500	
2,4,6-Tribromophenol	92.59	32.4	40 - 125	10.078	10.085	-0.0070	+/-0.500	*
Matrix Spike (2G19916-MS1) ug/L				Lab File ID: 0706719M.D		Analyzed: 07/20/12 21:00		
2-Fluorobiphenyl	46.30	68.5	50 - 110	8.279	8.275	0.0040	+/-0.500	
2-Fluorophenol	92.59	15.4	20 - 110	3.627	3.628	-0.0010	+/-0.500	*
Nitrobenzene-d5	46.30	65.4	40 - 110	5.937	5.936	0.0010	+/-0.500	
Phenol-d6	92.59	12.5	0 - 110	4.772	4.774	-0.0020	+/-0.500	
Terphenyl-d14	46.30	72.8	50 - 135	12.844	12.847	-0.0030	+/-0.500	
2,4,6-Tribromophenol	92.59	41.1	40 - 125	10.08	10.085	-0.0050	+/-0.500	
Matrix Spike Dup (2G19916-MSD1) ug/L				Lab File ID: 0706719S.D		Analyzed: 07/20/12 21:28		
2-Fluorobiphenyl	46.30	89.3	50 - 110	8.272	8.275	-0.0030	+/-0.500	
2-Fluorophenol	92.59	28.3	20 - 110	3.63	3.628	0.0020	+/-0.500	
Nitrobenzene-d5	46.30	88.9	40 - 110	5.94	5.936	0.0040	+/-0.500	
Phenol-d6	92.59	20.2	0 - 110	4.775	4.774	0.0010	+/-0.500	
Terphenyl-d14	46.30	96.1	50 - 135	12.848	12.847	0.0010	+/-0.500	
2,4,6-Tribromophenol	92.59	70.8	40 - 125	10.081	10.085	-0.0040	+/-0.500	
GW0660 (1207067-21) ug/L				Lab File ID: 0706721.D		Analyzed: 07/20/12 21:55		
2-Fluorobiphenyl	50.00	62.3	50 - 110	8.271	8.275	-0.0040	+/-0.500	
2-Fluorophenol	100.0	22.1	20 - 110	3.628	3.628	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	60.8	40 - 110	5.935	5.936	-0.0010	+/-0.500	
Phenol-d6	100.0	12.2	0 - 110	4.772	4.774	-0.0020	+/-0.500	
Terphenyl-d14	50.00	69.0	50 - 135	12.842	12.847	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	73.0	40 - 125	10.08	10.085	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20806	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20806-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 07/26/12 10:49		
2-Fluorobiphenyl	50.00	103	80 - 120	8.28	8.28	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.6	80 - 120	3.626	3.626	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	91.2	80 - 120	5.935	5.935	0.0000	+/-0.500	
Phenol-d6	100.0	96.0	80 - 120	4.78	4.78	0.0000	+/-0.500	
Terphenyl-d14	50.00	104	80 - 120	12.844	12.844	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	102	80 - 120	10.078	10.078	0.0000	+/-0.500	
Matrix Spike (2G13009-MS1) ug/L				Lab File ID: 0705109M.D		Analyzed: 07/26/12 14:05		
2-Fluorobiphenyl	47.17	88.6	50 - 110	8.284	8.28	0.0040	+/-0.500	
2-Fluorophenol	94.34	31.8	20 - 110	3.65	3.626	0.0240	+/-0.500	
Nitrobenzene-d5	47.17	88.4	40 - 110	5.946	5.935	0.0110	+/-0.500	
Phenol-d6	94.34	21.7	0 - 110	4.796	4.78	0.0160	+/-0.500	
Terphenyl-d14	47.17	98.7	50 - 135	12.844	12.844	0.0000	+/-0.500	
2,4,6-Tribromophenol	94.34	87.2	40 - 125	10.082	10.078	0.0040	+/-0.500	
Matrix Spike Dup (2G13009-MSD1) ug/L				Lab File ID: 0705109S.D		Analyzed: 07/26/12 14:34		
2-Fluorobiphenyl	50.00	88.0	50 - 110	8.286	8.28	0.0060	+/-0.500	
2-Fluorophenol	100.0	33.1	20 - 110	3.649	3.626	0.0230	+/-0.500	
Nitrobenzene-d5	50.00	83.8	40 - 110	5.94	5.935	0.0050	+/-0.500	
Phenol-d6	100.0	22.4	0 - 110	4.794	4.78	0.0140	+/-0.500	
Terphenyl-d14	50.00	99.2	50 - 135	12.846	12.844	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	87.6	40 - 125	10.085	10.078	0.0070	+/-0.500	
GW0716 (1207051-11) ug/L				Lab File ID: 0705111.D		Analyzed: 07/26/12 15:02		
2-Fluorobiphenyl	49.02	78.0	50 - 110	8.285	8.28	0.0050	+/-0.500	
2-Fluorophenol	98.04	30.4	20 - 110	3.63	3.626	0.0040	+/-0.500	
Nitrobenzene-d5	49.02	70.4	40 - 110	5.937	5.935	0.0020	+/-0.500	
Phenol-d6	98.04	17.8	0 - 110	4.774	4.78	-0.0060	+/-0.500	
Terphenyl-d14	49.02	89.7	50 - 135	12.846	12.844	0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	78.1	40 - 125	10.076	10.078	-0.0020	+/-0.500	
GW0720 (1207051-13) ug/L				Lab File ID: 0705113.D		Analyzed: 07/26/12 15:30		
2-Fluorobiphenyl	49.02	79.5	50 - 110	8.279	8.28	-0.0010	+/-0.500	
2-Fluorophenol	98.04	30.3	20 - 110	3.635	3.626	0.0090	+/-0.500	
Nitrobenzene-d5	49.02	74.4	40 - 110	5.941	5.935	0.0060	+/-0.500	
Phenol-d6	98.04	17.3	0 - 110	4.777	4.78	-0.0030	+/-0.500	
Terphenyl-d14	49.02	89.3	50 - 135	12.848	12.844	0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	80.5	40 - 125	10.082	10.078	0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20806	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0721 (1207051-15) ug/L				Lab File ID: 0705115.D		Analyzed: 07/26/12 15:59		
2-Fluorobiphenyl	48.08	83.1	50 - 110	8.282	8.28	0.0020	+/-0.500	
2-Fluorophenol	96.15	30.6	20 - 110	3.637	3.626	0.0110	+/-0.500	
Nitrobenzene-d5	48.08	74.7	40 - 110	5.944	5.935	0.0090	+/-0.500	
Phenol-d6	96.15	17.5	0 - 110	4.77	4.78	-0.0100	+/-0.500	
Terphenyl-d14	48.08	89.7	50 - 135	12.849	12.844	0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	80.4	40 - 125	10.081	10.078	0.0030	+/-0.500	
GW0722 (1207051-17) ug/L				Lab File ID: 0705117.D		Analyzed: 07/26/12 16:27		
2-Fluorobiphenyl	48.08	79.5	50 - 110	8.281	8.28	0.0010	+/-0.500	
2-Fluorophenol	96.15	26.9	20 - 110	3.636	3.626	0.0100	+/-0.500	
Nitrobenzene-d5	48.08	72.7	40 - 110	5.943	5.935	0.0080	+/-0.500	
Phenol-d6	96.15	15.7	0 - 110	4.779	4.78	-0.0010	+/-0.500	
Terphenyl-d14	48.08	86.0	50 - 135	12.844	12.844	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	72.2	40 - 125	10.078	10.078	0.0000	+/-0.500	
GW0729 (1207051-19) ug/L				Lab File ID: 0705119.D		Analyzed: 07/26/12 16:56		
2-Fluorobiphenyl	50.00	93.6	50 - 110	8.282	8.28	0.0020	+/-0.500	
2-Fluorophenol	100.0	36.6	20 - 110	3.636	3.626	0.0100	+/-0.500	
Nitrobenzene-d5	50.00	81.0	40 - 110	5.944	5.935	0.0090	+/-0.500	
Phenol-d6	100.0	20.1	0 - 110	4.78	4.78	0.0000	+/-0.500	
Terphenyl-d14	50.00	99.3	50 - 135	12.847	12.844	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	95.7	40 - 125	10.081	10.078	0.0030	+/-0.500	
GW0630 (1207067-01) ug/L				Lab File ID: 0706701.D		Analyzed: 07/26/12 20:14		
2-Fluorobiphenyl	48.08	75.0	50 - 110	8.282	8.28	0.0020	+/-0.500	
2-Fluorophenol	96.15	12.9	20 - 110	3.636	3.626	0.0100	+/-0.500	*
Nitrobenzene-d5	48.08	72.3	40 - 110	5.935	5.935	0.0000	+/-0.500	
Phenol-d6	96.15	12.1	0 - 110	4.771	4.78	-0.0090	+/-0.500	
Terphenyl-d14	48.08	92.0	50 - 135	12.85	12.844	0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	32.5	40 - 125	10.081	10.078	0.0030	+/-0.500	*
GW0635 (1207067-03) ug/L				Lab File ID: 0706703.D		Analyzed: 07/26/12 20:41		
2-Fluorobiphenyl	47.17	76.5	50 - 110	8.277	8.28	-0.0030	+/-0.500	
2-Fluorophenol	94.34	24.3	20 - 110	3.635	3.626	0.0090	+/-0.500	
Nitrobenzene-d5	47.17	72.2	40 - 110	5.942	5.935	0.0070	+/-0.500	
Phenol-d6	94.34	13.7	0 - 110	4.769	4.78	-0.0110	+/-0.500	
Terphenyl-d14	47.17	88.5	50 - 135	12.846	12.844	0.0020	+/-0.500	
2,4,6-Tribromophenol	94.34	74.0	40 - 125	10.077	10.078	-0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20806	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0644 (1207067-05) ug/L				Lab File ID: 0706705.D		Analyzed: 07/26/12 21:09		
2-Fluorobiphenyl	46.73	75.8	50 - 110	8.274	8.28	-0.0060	+/-0.500	
2-Fluorophenol	93.46	21.7	20 - 110	3.635	3.626	0.0090	+/-0.500	
Nitrobenzene-d5	46.73	70.2	40 - 110	5.936	5.935	0.0010	+/-0.500	
Phenol-d6	93.46	13.3	0 - 110	4.77	4.78	-0.0100	+/-0.500	
Terphenyl-d14	46.73	89.0	50 - 135	12.849	12.844	0.0050	+/-0.500	
2,4,6-Tribromophenol	93.46	63.0	40 - 125	10.083	10.078	0.0050	+/-0.500	
GW0645 (1207067-07) ug/L				Lab File ID: 0706707.D		Analyzed: 07/26/12 21:37		
2-Fluorobiphenyl	47.17	77.3	50 - 110	8.28	8.28	0.0000	+/-0.500	
2-Fluorophenol	94.34	14.2	20 - 110	3.637	3.626	0.0110	+/-0.500	*
Nitrobenzene-d5	47.17	67.3	40 - 110	5.936	5.935	0.0010	+/-0.500	
Phenol-d6	94.34		0 - 110		4.78	-4.7800	+/-0.500	*
Terphenyl-d14	47.17	84.6	50 - 135	12.845	12.844	0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	43.6	40 - 125	10.082	10.078	0.0040	+/-0.500	
GW0646 (1207067-09) ug/L				Lab File ID: 0706709.D		Analyzed: 07/26/12 22:04		
2-Fluorobiphenyl	48.08	78.8	50 - 110	8.273	8.28	-0.0070	+/-0.500	
2-Fluorophenol	96.15	27.0	20 - 110	3.635	3.626	0.0090	+/-0.500	
Nitrobenzene-d5	48.08	71.9	40 - 110	5.937	5.935	0.0020	+/-0.500	
Phenol-d6	96.15	17.2	0 - 110	4.772	4.78	-0.0080	+/-0.500	
Terphenyl-d14	48.08	74.5	50 - 135	12.84	12.844	-0.0040	+/-0.500	
2,4,6-Tribromophenol	96.15	69.0	40 - 125	10.079	10.078	0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20906	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20906-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 07/25/12 13:56		
2-Fluorobiphenyl	50.00	101	80 - 120	8.281	8.281	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.0	80 - 120	3.635	3.635	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	93.3	80 - 120	5.936	5.936	0.0000	+/-0.500	
Phenol-d6	100.0	97.2	80 - 120	4.779	4.779	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	80 - 120	12.849	12.849	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	104	80 - 120	10.084	10.084	0.0000	+/-0.500	
Blank (2G13009-BLK1) ug/L				Lab File ID: G13009B1.D		Analyzed: 07/25/12 14:53		
2-Fluorobiphenyl	50.00	85.9	50 - 110	8.28	8.281	-0.0010	+/-0.500	
2-Fluorophenol	100.0	33.9	20 - 110	3.629	3.635	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	72.1	40 - 110	5.938	5.936	0.0020	+/-0.500	
Phenol-d6	100.0	19.5	0 - 110	4.774	4.779	-0.0050	+/-0.500	
Terphenyl-d14	50.00	96.2	50 - 135	12.85	12.849	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	78.4	40 - 125	10.078	10.084	-0.0060	+/-0.500	
LCS (2G13009-BS1) ug/L				Lab File ID: G13009L1.D		Analyzed: 07/25/12 15:21		
2-Fluorobiphenyl	50.00	89.8	50 - 110	8.281	8.281	0.0000	+/-0.500	
2-Fluorophenol	100.0	36.9	20 - 110	3.637	3.635	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	77.7	40 - 110	5.937	5.936	0.0010	+/-0.500	
Phenol-d6	100.0	21.0	0 - 110	4.772	4.779	-0.0070	+/-0.500	
Terphenyl-d14	50.00	93.1	50 - 135	12.847	12.849	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	85.4	40 - 125	10.081	10.084	-0.0030	+/-0.500	
GW0668 (1207051-01) ug/L				Lab File ID: 0705101.D		Analyzed: 07/25/12 15:50		
2-Fluorobiphenyl	47.17	83.4	50 - 110	8.275	8.281	-0.0060	+/-0.500	
2-Fluorophenol	94.34	28.3	20 - 110	3.631	3.635	-0.0040	+/-0.500	
Nitrobenzene-d5	47.17	74.3	40 - 110	5.942	5.936	0.0060	+/-0.500	
Phenol-d6	94.34	16.3	0 - 110	4.772	4.779	-0.0070	+/-0.500	
Terphenyl-d14	47.17	98.0	50 - 135	12.843	12.849	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	78.3	40 - 125	10.081	10.084	-0.0030	+/-0.500	
GW0669 (1207051-03) ug/L				Lab File ID: 0705103.D		Analyzed: 07/25/12 16:18		
2-Fluorobiphenyl	47.17	81.6	50 - 110	8.275	8.281	-0.0060	+/-0.500	
2-Fluorophenol	94.34	29.9	20 - 110	3.632	3.635	-0.0030	+/-0.500	
Nitrobenzene-d5	47.17	71.6	40 - 110	5.939	5.936	0.0030	+/-0.500	
Phenol-d6	94.34	16.8	0 - 110	4.769	4.779	-0.0100	+/-0.500	
Terphenyl-d14	47.17	98.1	50 - 135	12.848	12.849	-0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	83.1	40 - 125	10.075	10.084	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20906	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0670 (1207051-05) ug/L				Lab File ID: 0705105.D		Analyzed: 07/25/12 16:47		
2-Fluorobiphenyl	46.73	68.5	50 - 110	8.28	8.281	-0.0010	+/-0.500	
2-Fluorophenol	93.46	25.3	20 - 110	3.631	3.635	-0.0040	+/-0.500	
Nitrobenzene-d5	46.73	62.3	40 - 110	5.938	5.936	0.0020	+/-0.500	
Phenol-d6	93.46	14.2	0 - 110	4.774	4.779	-0.0050	+/-0.500	
Terphenyl-d14	46.73	84.5	50 - 135	12.848	12.849	-0.0010	+/-0.500	
2,4,6-Tribromophenol	93.46	71.9	40 - 125	10.081	10.084	-0.0030	+/-0.500	
GW0714 (1207051-07) ug/L				Lab File ID: 0705107.D		Analyzed: 07/25/12 17:53		
2-Fluorobiphenyl	48.08	76.3	50 - 110	8.281	8.281	0.0000	+/-0.500	
2-Fluorophenol	96.15	24.3	20 - 110	3.639	3.635	0.0040	+/-0.500	
Nitrobenzene-d5	48.08	64.3	40 - 110	5.941	5.936	0.0050	+/-0.500	
Phenol-d6	96.15	16.6	0 - 110	4.778	4.779	-0.0010	+/-0.500	
Terphenyl-d14	48.08	80.9	50 - 135	12.852	12.849	0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	72.9	40 - 125	10.086	10.084	0.0020	+/-0.500	
GW0715 (1207051-09) ug/L				Lab File ID: 0705109.D		Analyzed: 07/25/12 18:21		
2-Fluorobiphenyl	50.00	81.9	50 - 110	8.285	8.281	0.0040	+/-0.500	
2-Fluorophenol	100.0	28.0	20 - 110	3.647	3.635	0.0120	+/-0.500	
Nitrobenzene-d5	50.00	80.9	40 - 110	5.944	5.936	0.0080	+/-0.500	
Phenol-d6	100.0	19.3	0 - 110	4.791	4.779	0.0120	+/-0.500	
Terphenyl-d14	50.00	82.6	50 - 135	12.847	12.849	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	77.7	40 - 125	10.079	10.084	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21201	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G21201-CCV1) ug/mL				Lab File ID: SEQCCV1E.D		Analyzed: 07/26/12 22:55		
2-Fluorobiphenyl	50.00	100	80 - 120	8.28	8.28	0.0000	+/-0.500	
2-Fluorophenol	100.0	100	80 - 120	3.626	3.626	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	89.3	80 - 120	5.933	5.933	0.0000	+/-0.500	
Phenol-d6	100.0	96.1	80 - 120	4.771	4.771	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	80 - 120	12.841	12.841	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	101	80 - 120	10.081	10.081	0.0000	+/-0.500	
GW0651 (1207067-13) ug/L				Lab File ID: 0706713.D		Analyzed: 07/26/12 23:51		
2-Fluorobiphenyl	49.02	90.0	50 - 110	8.28	8.28	0.0000	+/-0.500	
2-Fluorophenol	98.04	20.4	20 - 110	3.627	3.626	0.0010	+/-0.500	
Nitrobenzene-d5	49.02	74.9	40 - 110	5.934	5.933	0.0010	+/-0.500	
Phenol-d6	98.04	14.2	0 - 110	4.771	4.771	0.0000	+/-0.500	
Terphenyl-d14	49.02	81.9	50 - 135	12.849	12.841	0.0080	+/-0.500	
2,4,6-Tribromophenol	98.04	57.5	40 - 125	10.078	10.081	-0.0030	+/-0.500	
GW0652 (1207067-15) ug/L				Lab File ID: 0706715.D		Analyzed: 07/27/12 00:19		
2-Fluorobiphenyl	50.00	73.5	50 - 110	8.278	8.28	-0.0020	+/-0.500	
2-Fluorophenol	100.0	29.4	20 - 110	3.626	3.626	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	66.6	40 - 110	5.931	5.933	-0.0020	+/-0.500	
Phenol-d6	100.0	16.2	0 - 110	4.768	4.771	-0.0030	+/-0.500	
Terphenyl-d14	50.00	91.6	50 - 135	12.847	12.841	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	81.8	40 - 125	10.078	10.081	-0.0030	+/-0.500	
GW0701 (1207067-23) ug/L				Lab File ID: 0706723.D		Analyzed: 07/27/12 00:47		
2-Fluorobiphenyl	46.30	75.5	50 - 110	8.276	8.28	-0.0040	+/-0.500	
2-Fluorophenol	92.59	22.9	20 - 110	3.626	3.626	0.0000	+/-0.500	
Nitrobenzene-d5	46.30	69.2	40 - 110	5.94	5.933	0.0070	+/-0.500	
Phenol-d6	92.59	15.6	0 - 110	4.77	4.771	-0.0010	+/-0.500	
Terphenyl-d14	46.30	81.7	50 - 135	12.843	12.841	0.0020	+/-0.500	
2,4,6-Tribromophenol	92.59	57.8	40 - 125	10.076	10.081	-0.0050	+/-0.500	
GW0702 (1207067-25) ug/L				Lab File ID: 0706725.D		Analyzed: 07/27/12 01:15		
2-Fluorobiphenyl	46.73	82.3	50 - 110	8.28	8.28	0.0000	+/-0.500	
2-Fluorophenol	93.46	18.4	20 - 110	3.628	3.626	0.0020	+/-0.500	*
Nitrobenzene-d5	46.73	74.8	40 - 110	5.936	5.933	0.0030	+/-0.500	
Phenol-d6	93.46	13.0	0 - 110	4.771	4.771	0.0000	+/-0.500	
Terphenyl-d14	46.73	79.9	50 - 135	12.847	12.841	0.0060	+/-0.500	
2,4,6-Tribromophenol	93.46	50.3	40 - 125	10.078	10.081	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21201	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0727 (1207067-27) ug/L				Lab File ID: 0706727.D		Analyzed: 07/27/12 01:43		
2-Fluorobiphenyl	46.30	80.2	50 - 110	8.281	8.28	0.0010	+/-0.500	
2-Fluorophenol	92.59	17.7	20 - 110	3.637	3.626	0.0110	+/-0.500	*
Nitrobenzene-d5	46.30	69.3	40 - 110	5.938	5.933	0.0050	+/-0.500	
Phenol-d6	92.59	13.8	0 - 110	4.783	4.771	0.0120	+/-0.500	
Terphenyl-d14	46.30	77.5	50 - 135	12.842	12.841	0.0010	+/-0.500	
2,4,6-Tribromophenol	92.59	59.1	40 - 125	10.075	10.081	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21207	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G21207-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 07/27/12 13:42		
2-Fluorobiphenyl	50.00	98.8	80 - 120	8.279	8.279	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.8	80 - 120	3.623	3.623	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	91.8	80 - 120	5.941	5.941	0.0000	+/-0.500	
Phenol-d6	100.0	95.8	80 - 120	4.774	4.774	0.0000	+/-0.500	
Terphenyl-d14	50.00	99.7	80 - 120	12.845	12.845	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	103	80 - 120	10.079	10.079	0.0000	+/-0.500	
Blank (2G24008-BLK1) ug/L				Lab File ID: G24008B1.D		Analyzed: 07/27/12 14:38		
2-Fluorobiphenyl	50.00	91.9	50 - 110	8.278	8.279	-0.0010	+/-0.500	
2-Fluorophenol	100.0	41.5	20 - 110	3.628	3.623	0.0050	+/-0.500	
Nitrobenzene-d5	50.00	79.5	40 - 110	5.94	5.941	-0.0010	+/-0.500	
Phenol-d6	100.0	23.5	0 - 110	4.77	4.774	-0.0040	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.847	12.845	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	98.9	40 - 125	10.08	10.079	0.0010	+/-0.500	
LCS (2G24008-BS1) ug/L				Lab File ID: G24008L1.D		Analyzed: 07/27/12 15:06		
2-Fluorobiphenyl	50.00	99.0	50 - 110	8.283	8.279	0.0040	+/-0.500	
2-Fluorophenol	100.0	47.7	20 - 110	3.631	3.623	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	91.2	40 - 110	5.934	5.941	-0.0070	+/-0.500	
Phenol-d6	100.0	26.5	0 - 110	4.773	4.774	-0.0010	+/-0.500	
Terphenyl-d14	50.00	109	50 - 135	12.849	12.845	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	105	40 - 125	10.078	10.079	-0.0010	+/-0.500	
GW0658 (1207067-17RE1) ug/L				Lab File ID: 0706717R.D		Analyzed: 07/27/12 15:34		
2-Fluorobiphenyl	50.00	85.9	50 - 110	8.278	8.279	-0.0010	+/-0.500	
2-Fluorophenol	100.0	21.2	20 - 110	3.631	3.623	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	77.2	40 - 110	5.936	5.941	-0.0050	+/-0.500	
Phenol-d6	100.0	21.5	0 - 110	4.773	4.774	-0.0010	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.847	12.845	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	35.8	40 - 125	10.081	10.079	0.0020	+/-0.500	*
GW0659 (1207067-19RE1) ug/L				Lab File ID: 0706719R.D		Analyzed: 07/27/12 16:03		
2-Fluorobiphenyl	47.17	81.3	50 - 110	8.28	8.279	0.0010	+/-0.500	
2-Fluorophenol	94.34	30.3	20 - 110	3.627	3.623	0.0040	+/-0.500	
Nitrobenzene-d5	47.17	73.4	40 - 110	5.936	5.941	-0.0050	+/-0.500	
Phenol-d6	94.34	18.3	0 - 110	4.771	4.774	-0.0030	+/-0.500	
Terphenyl-d14	47.17	102	50 - 135	12.849	12.845	0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	81.3	40 - 125	10.081	10.079	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21207	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike (2G24008-MS3) ug/L				Lab File ID: 0706719M.D		Analyzed: 07/27/12 16:31		
2-Fluorobiphenyl	50.00	79.2	50 - 110	8.278	8.279	-0.0010	+/-0.500	
2-Fluorophenol	100.0	32.9	20 - 110	3.627	3.623	0.0040	+/-0.500	
Nitrobenzene-d5	50.00	71.2	40 - 110	5.935	5.941	-0.0060	+/-0.500	
Phenol-d6	100.0	29.7	0 - 110	4.771	4.774	-0.0030	+/-0.500	
Terphenyl-d14	50.00	91.5	50 - 135	12.843	12.845	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	51.9	40 - 125	10.076	10.079	-0.0030	+/-0.500	
Matrix Spike Dup (2G24008-MSD3) ug/L				Lab File ID: 0706719S.D		Analyzed: 07/27/12 16:59		
2-Fluorobiphenyl	50.00	89.0	50 - 110	8.28	8.279	0.0010	+/-0.500	
2-Fluorophenol	100.0	50.6	20 - 110	3.627	3.623	0.0040	+/-0.500	
Nitrobenzene-d5	50.00	77.7	40 - 110	5.933	5.941	-0.0080	+/-0.500	
Phenol-d6	100.0	37.1	0 - 110	4.77	4.774	-0.0040	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	12.843	12.845	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	81.5	40 - 125	10.077	10.079	-0.0020	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13009	Laboratory ID:	2G13009-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	39.28	80.2	45 - 110
Acenaphthylene	49.00	41.16	84.0	50 - 105
Acetophenone	50.00	40.65	81.3	50 - 110
Anthracene	49.00	41.32	84.3	55 - 110
Atrazine	50.00	42.82	85.6	70 - 115
Benzaldehyde	50.00	39.50	79.0	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	49.00	41.76	85.2	55 - 110
Benzo(a)pyrene	49.00	42.00	85.7	55 - 110
Benzo(b)fluoranthene	49.00	44.44	90.7	45 - 120
Benzo(g,h,i)perylene	49.00	43.23	88.2	40 - 125
Benzoic acid	100.0	15.04	15.0	0 - 125
Benzo(k)fluoranthene	49.00	41.36	84.4	45 - 125
1,1-Biphenyl	50.00	48.55	97.1	50 - 110
4-Bromophenyl-phenylether	49.00	40.34	82.3	50 - 115
Butylbenzylphthalate	49.00	48.99	100	45 - 115
Caprolactam	50.00	7.862	15.7	10 - 110
Carbazole	50.00	48.29	96.6	50 - 115
4-Chloro-3-methylphenol	100.0	68.80	68.8	45 - 110
4-Chloroaniline	50.00	36.80	73.6	15 - 110
Bis(2-chloroethoxy)methane	49.00	38.27	78.1	45 - 105
Bis(2-chloroethyl)ether	49.00	37.50	76.5	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	47.12	96.2	25 - 130
2-Chloronaphthalene	49.00	39.88	81.4	50 - 105
2-Chlorophenol	100.0	68.83	68.8	35 - 105
4-Chlorophenyl phenyl ether	49.00	39.00	79.6	50 - 110
Chrysene	49.00	41.00	83.7	55 - 110
Dibenz(a,h)anthracene	49.00	43.08	87.9	40 - 125
Dibenzofuran	49.00	38.65	78.9	55 - 105
Di-n-butylphthalate	49.00	42.73	87.2	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13009	Laboratory ID:	2G13009-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	43.11	86.2	20 - 110
2,4-Dichlorophenol	100.0	74.18	74.2	40 - 110
Diethylphthalate	49.00	40.63	82.9	40 - 120
2,4-Dimethylphenol	100.0	70.74	70.7	30 - 110
Dimethyl phthalate	49.00	40.36	82.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	81.75	81.7	40 - 130
2,4-Dinitrophenol	100.0	74.01	74.0	15 - 140
2,4-Dinitrotoluene	49.00	39.94	81.5	50 - 120
2,6-Dinitrotoluene	49.00	39.21	80.0	50 - 115
Di-n-octylphthalate	49.00	47.92	97.8	35 - 135
1,2-Diphenylhydrazine	50.00	46.97	93.9	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	48.87	99.7	40 - 125
Fluoranthene	49.00	40.11	81.9	55 - 115
Fluorene	49.00	39.67	81.0	50 - 110
Hexachlorobenzene	49.00	37.36	76.2	50 - 110
Hexachlorobutadiene	49.00	32.30	65.9	25 - 105
Hexachlorocyclopentadiene	49.00	27.28	55.7	10 - 110
Hexachloroethane	49.00	31.57	64.4	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	43.49	88.7	45 - 125
Isophorone	49.00	32.85	67.0	50 - 110
1-Methylnaphthalene	50.00	39.45	78.9	30 - 115
2-Methylnaphthalene	49.00	36.76	75.0	45 - 105
2-Methylphenol	100.0	55.03	55.0	40 - 110
3-Methylphenol/4-Methylphenol	100.0	50.20	50.2	30 - 110
Naphthalene	49.00	36.59	74.7	40 - 100
4-Nitroaniline	50.00	44.66	89.3	35 - 120
3-Nitroaniline	50.00	41.10	82.2	20 - 125
2-Nitroaniline	50.00	50.08	100	50 - 115
Nitrobenzene	49.00	35.71	72.9	30 - 110
4-Nitrophenol	100.0	26.70	26.7	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13009	Laboratory ID:	2G13009-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	79.96	80.0	40 - 115
N-Nitrosodiphenylamine	49.00	34.71	70.8	50 - 110
N-Nitroso-di-n-propylamine	49.00	41.31	84.3	35 - 130
Pentachlorophenol	100.0	85.39	85.4	40 - 115
Phenanthrene	49.00	41.98	85.7	50 - 115
Phenol	100.0	22.23	22.2	0 - 115
Pyrene	49.00	44.26	90.3	50 - 130
2,4,6-Trichlorophenol	100.0	81.78	81.8	50 - 115
2,4,5-Trichlorophenol	100.0	86.25	86.3	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17006	Laboratory ID:	2G17006-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	36.75	75.0	45 - 110
Acenaphthylene	49.00	42.43	86.6	50 - 105
Acetophenone	50.00	44.70	89.4	50 - 110
Anthracene	49.00	44.05	89.9	55 - 110
Atrazine	50.00	47.97	95.9	70 - 115
Benzaldehyde	50.00	42.44	84.9	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	49.00	42.92	87.6	55 - 110
Benzo(a)pyrene	49.00	43.72	89.2	55 - 110
Benzo(b)fluoranthene	49.00	43.32	88.4	45 - 120
Benzo(g,h,i)perylene	49.00	43.06	87.9	40 - 125
Benzoic acid	100.0	21.70	21.7	0 - 125
Benzo(k)fluoranthene	49.00	46.61	95.1	45 - 125
1,1-Biphenyl	50.00	50.69	101	50 - 110
4-Bromophenyl-phenylether	49.00	42.30	86.3	50 - 115
Butylbenzylphthalate	49.00	50.04	102	45 - 115
Caprolactam	50.00	8.195	16.4	10 - 110
Carbazole	50.00	52.46	105	50 - 115
4-Chloro-3-methylphenol	100.0	86.79	86.8	45 - 110
4-Chloroaniline	50.00	41.25	82.5	15 - 110
Bis(2-chloroethoxy)methane	49.00	40.98	83.6	45 - 105
Bis(2-chloroethyl)ether	49.00	37.35	76.2	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	48.03	98.0	25 - 130
2-Chloronaphthalene	49.00	36.67	74.8	50 - 105
2-Chlorophenol	100.0	77.58	77.6	35 - 105
4-Chlorophenyl phenyl ether	49.00	39.69	81.0	50 - 110
Chrysene	49.00	43.88	89.5	55 - 110
Dibenz(a,h)anthracene	49.00	42.98	87.7	40 - 125
Dibenzofuran	49.00	38.06	77.7	55 - 105
Di-n-butylphthalate	49.00	46.50	94.9	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17006	Laboratory ID:	2G17006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	46.65	93.3	20 - 110
2,4-Dichlorophenol	100.0	90.55	90.6	40 - 110
Diethylphthalate	49.00	44.39	90.6	40 - 120
2,4-Dimethylphenol	100.0	83.47	83.5	30 - 110
Dimethyl phthalate	49.00	42.11	85.9	25 - 125
4,6-Dinitro-2-methylphenol	100.0	97.02	97.0	40 - 130
2,4-Dinitrophenol	100.0	86.51	86.5	15 - 140
2,4-Dinitrotoluene	49.00	42.44	86.6	50 - 120
2,6-Dinitrotoluene	49.00	39.40	80.4	50 - 115
Di-n-octylphthalate	49.00	48.11	98.2	35 - 135
1,2-Diphenylhydrazine	50.00	50.82	102	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	47.61	97.2	40 - 125
Fluoranthene	49.00	43.57	88.9	55 - 115
Fluorene	49.00	41.18	84.0	50 - 110
Hexachlorobenzene	49.00	40.58	82.8	50 - 110
Hexachlorobutadiene	49.00	30.21	61.7	25 - 105
Hexachlorocyclopentadiene	49.00	25.25	51.5	10 - 110
Hexachloroethane	49.00	28.48	58.1	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	43.00	87.7	45 - 125
Isophorone	49.00	36.61	74.7	50 - 110
1-Methylnaphthalene	50.00	39.32	78.6	30 - 115
2-Methylnaphthalene	49.00	35.70	72.9	45 - 105
2-Methylphenol	100.0	63.90	63.9	40 - 110
3-Methylphenol/4-Methylphenol	100.0	59.87	59.9	30 - 110
Naphthalene	49.00	38.60	78.8	40 - 100
4-Nitroaniline	50.00	48.82	97.6	35 - 120
3-Nitroaniline	50.00	41.68	83.4	20 - 125
2-Nitroaniline	50.00	53.89	108	50 - 115
Nitrobenzene	49.00	37.06	75.6	30 - 110
4-Nitrophenol	100.0	32.30	32.3	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17006	Laboratory ID:	2G17006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	92.25	92.3	40 - 115
N-Nitrosodiphenylamine	49.00	36.82	75.1	50 - 110
N-Nitroso-di-n-propylamine	49.00	44.50	90.8	35 - 130
Pentachlorophenol	100.0	94.65	94.6	40 - 115
Phenanthrene	49.00	45.91	93.7	50 - 115
Phenol	100.0	25.22	25.2	0 - 115
Pyrene	49.00	44.84	91.5	50 - 130
2,4,6-Trichlorophenol	100.0	88.69	88.7	50 - 115
2,4,5-Trichlorophenol	100.0	99.91	99.9	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	37.61	76.8	2.33	30	45 - 110
Acenaphthylene	49.00	40.02	81.7	5.84	30	50 - 105
Acetophenone	50.00	42.61	85.2	4.78	30	50 - 110
Anthracene	49.00	40.89	83.5	7.43	30	55 - 110
Atrazine	50.00	42.19	84.4	12.8	30	70 - 115
Benzaldehyde	50.00	41.23	82.5	2.89	30	10 - 180
Benzidine	50.00	100 U	0		30	0 - 200
Benzo(a)anthracene	49.00	41.27	84.2	3.94	30	55 - 110
Benzo(a)pyrene	49.00	41.08	83.8	6.23	30	55 - 110
Benzo(b)fluoranthene	49.00	42.78	87.3	1.24	30	45 - 120
Benzo(g,h,i)perylene	49.00	41.39	84.5	3.95	30	40 - 125
Benzoic acid	100.0	100 U	0		30	0 - 125
Benzo(k)fluoranthene	49.00	40.07	81.8	15.1	30	45 - 125
1,1-Biphenyl	50.00	46.76	93.5	8.07	30	50 - 110
4-Bromophenyl-phenylether	49.00	39.46	80.5	6.97	30	50 - 115
Butylbenzylphthalate	49.00	48.48	98.9	3.16	30	45 - 115
Caprolactam	50.00	7.021	14.0	15.4	30	10 - 110
Carbazole	50.00	47.94	95.9	9.00	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17006	Laboratory ID:	2G17006-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	78.06	78.1	10.6	30	45 - 110
4-Chloroaniline	50.00	30.99	62.0	28.4	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	36.90	75.3	10.5	30	45 - 105
Bis(2-chloroethyl)ether	49.00	36.57	74.6	2.11	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	48.05	98.1	0.0262	30	25 - 130
2-Chloronaphthalene	49.00	34.14	69.7	7.12	30	50 - 105
2-Chlorophenol	100.0	75.89	75.9	2.20	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	40.38	82.4	1.71	30	50 - 110
Chrysene	49.00	40.82	83.3	7.22	30	55 - 110
Dibenz(a,h)anthracene	49.00	40.47	82.6	6.02	30	40 - 125
Dibenzofuran	49.00	37.71	77.0	0.929	30	55 - 105
Di-n-butylphthalate	49.00	44.21	90.2	5.05	30	55 - 115
3,3'-Dichlorobenzidine	50.00	42.94	85.9	8.27	30	20 - 110
2,4-Dichlorophenol	100.0	80.08	80.1	12.3	30	40 - 110
Diethylphthalate	49.00	43.14	88.0	2.86	30	40 - 120
2,4-Dimethylphenol	100.0	82.06	82.1	1.70	30	30 - 110
Dimethyl phthalate	49.00	40.67	83.0	3.49	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	83.82	83.8	14.6	30	40 - 130
2,4-Dinitrophenol	100.0	46.76	46.8	59.6 *	30	15 - 140
2,4-Dinitrotoluene	49.00	40.03	81.7	5.84	30	50 - 120
2,6-Dinitrotoluene	49.00	39.15	79.9	0.632	30	50 - 115
Di-n-octylphthalate	49.00	46.57	95.1	3.23	30	35 - 135
1,2-Diphenylhydrazine	50.00	44.66	89.3	12.9	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	46.76	95.4	1.80	30	40 - 125
Fluoranthene	49.00	41.31	84.3	5.34	30	55 - 115
Fluorene	49.00	40.67	83.0	1.24	30	50 - 110
Hexachlorobenzene	49.00	38.01	77.6	6.52	30	50 - 110
Hexachlorobutadiene	49.00	26.94	55.0	11.5	30	25 - 105
Hexachlorocyclopentadiene	49.00	24.41	49.8	3.35	30	10 - 110
Hexachloroethane	49.00	27.51	56.1	3.47	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17006	Laboratory ID:	2G17006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	49.00	41.06	83.8	4.61	30	45 - 125
Isophorone	49.00	33.78	68.9	8.06	30	50 - 110
1-Methylnaphthalene	50.00	36.68	73.4	6.95	30	30 - 115
2-Methylnaphthalene	49.00	31.67	64.6	12.0	30	45 - 105
2-Methylphenol	100.0	59.84	59.8	6.56	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	55.22	55.2	8.09	30	30 - 110
Naphthalene	49.00	33.46	68.3	14.3	30	40 - 100
4-Nitroaniline	50.00	44.26	88.5	9.79	30	35 - 120
3-Nitroaniline	50.00	38.82	77.6	7.11	30	20 - 125
2-Nitroaniline	50.00	56.07	112	3.96	30	50 - 115
Nitrobenzene	49.00	36.19	73.9	2.36	30	30 - 110
4-Nitrophenol	100.0	28.83	28.8	11.4	30	0 - 125
2-Nitrophenol	100.0	85.47	85.5	7.63	30	40 - 115
N-Nitrosodiphenylamine	49.00	34.82	71.1	5.57	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	41.83	85.4	6.19	30	35 - 130
Pentachlorophenol	100.0	83.16	83.2	12.9	30	40 - 115
Phenanthrene	49.00	41.63	85.0	9.78	30	50 - 115
Phenol	100.0	23.88	23.9	5.47	30	0 - 115
Pyrene	49.00	43.00	87.8	4.19	30	50 - 130
2,4,6-Trichlorophenol	100.0	88.66	88.7	0.0328	30	50 - 115
2,4,5-Trichlorophenol	100.0	92.75	92.7	7.43	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19916	Laboratory ID:	2G19916-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	33.36	68.1	45 - 110
Acenaphthylene	49.00	36.30	74.1	50 - 105
Acetophenone	50.00	40.04	80.1	50 - 110
Anthracene	49.00	40.29	82.2	55 - 110
Atrazine	50.00	45.14	90.3	70 - 115
Benzaldehyde	50.00	36.17	72.3	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	49.00	41.26	84.2	55 - 110
Benzo(a)pyrene	49.00	40.51	82.7	55 - 110
Benzo(b)fluoranthene	49.00	39.91	81.4	45 - 120
Benzo(g,h,i)perylene	49.00	41.73	85.2	40 - 125
Benzoic acid	100.0	18.61	18.6	0 - 125
Benzo(k)fluoranthene	49.00	44.12	90.0	45 - 125
1,1-Biphenyl	50.00	44.35	88.7	50 - 110
4-Bromophenyl-phenylether	49.00	37.44	76.4	50 - 115
Butylbenzylphthalate	49.00	47.99	97.9	45 - 115
Caprolactam	50.00	6.860	13.7	10 - 110
Carbazole	50.00	48.99	98.0	50 - 115
4-Chloro-3-methylphenol	100.0	67.68	67.7	45 - 110
4-Chloroaniline	50.00	38.25	76.5	15 - 110
Bis(2-chloroethoxy)methane	49.00	36.60	74.7	45 - 105
Bis(2-chloroethyl)ether	49.00	32.67	66.7	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	41.91	85.5	25 - 130
2-Chloronaphthalene	49.00	31.15	63.6	50 - 105
2-Chlorophenol	100.0	57.79	57.8	35 - 105
4-Chlorophenyl phenyl ether	49.00	33.47	68.3	50 - 110
Chrysene	49.00	41.33	84.3	55 - 110
Dibenz(a,h)anthracene	49.00	41.09	83.9	40 - 125
Dibenzofuran	49.00	32.91	67.2	55 - 105
Di-n-butylphthalate	49.00	45.08	92.0	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19916	Laboratory ID:	2G19916-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	40.74	81.5	20 - 110
2,4-Dichlorophenol	100.0	74.14	74.1	40 - 110
Diethylphthalate	49.00	40.56	82.8	40 - 120
2,4-Dimethylphenol	100.0	68.10	68.1	30 - 110
Dimethyl phthalate	49.00	40.23	82.1	25 - 125
4,6-Dinitro-2-methylphenol	100.0	86.78	86.8	40 - 130
2,4-Dinitrophenol	100.0	70.16	70.2	15 - 140
2,4-Dinitrotoluene	49.00	39.51	80.6	50 - 120
2,6-Dinitrotoluene	49.00	38.56	78.7	50 - 115
Di-n-octylphthalate	49.00	44.87	91.6	35 - 135
1,2-Diphenylhydrazine	50.00	44.95	89.9	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	47.22	96.4	40 - 125
Fluoranthene	49.00	41.36	84.4	55 - 115
Fluorene	49.00	37.16	75.8	50 - 110
Hexachlorobenzene	49.00	38.54	78.7	50 - 110
Hexachlorobutadiene	49.00	23.26	47.5	25 - 105
Hexachlorocyclopentadiene	49.00	16.82	34.3	10 - 110
Hexachloroethane	49.00	21.95	44.8	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	41.62	84.9	45 - 125
Isophorone	49.00	31.93	65.2	50 - 110
1-Methylnaphthalene	50.00	33.47	66.9	30 - 115
2-Methylnaphthalene	49.00	29.17	59.5	45 - 105
2-Methylphenol	100.0	49.45	49.5	40 - 110
3-Methylphenol/4-Methylphenol	100.0	43.83	43.8	30 - 110
Naphthalene	49.00	31.10	63.5	40 - 100
4-Nitroaniline	50.00	46.34	92.7	35 - 120
3-Nitroaniline	50.00	43.29	86.6	20 - 125
2-Nitroaniline	50.00	49.96	99.9	50 - 115
Nitrobenzene	49.00	32.47	66.3	30 - 110
4-Nitrophenol	100.0	23.02	23.0	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19916	Laboratory ID:	2G19916-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	75.82	75.8	40 - 115
N-Nitrosodiphenylamine	49.00	34.66	70.7	50 - 110
N-Nitroso-di-n-propylamine	49.00	38.99	79.6	35 - 130
Pentachlorophenol	100.0	84.79	84.8	40 - 115
Phenanthrene	49.00	42.59	86.9	50 - 115
Phenol	100.0	19.59	19.6	0 - 115
Pyrene	49.00	44.84	91.5	50 - 130
2,4,6-Trichlorophenol	100.0	78.95	79.0	50 - 115
2,4,5-Trichlorophenol	100.0	83.46	83.5	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24008	Laboratory ID:	2G24008-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	44.47	90.8	45 - 110
Acenaphthylene	49.00	47.75	97.5	50 - 105
Acetophenone	50.00	49.82	99.6	50 - 110
Anthracene	49.00	47.99	97.9	55 - 110
Atrazine	50.00	54.45	109	70 - 115
Benzaldehyde	50.00	45.39	90.8	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	49.00	49.92	102	55 - 110
Benzo(a)pyrene	49.00	50.17	102	55 - 110
Benzo(b)fluoranthene	49.00	49.73	101	45 - 120
Benzo(g,h,i)perylene	49.00	51.46	105	40 - 125
Benzoic acid	100.0	21.91	21.9	0 - 125
Benzo(k)fluoranthene	49.00	54.24	111	45 - 125
1,1-Biphenyl	**50.00**	**56.82**	**114**	**50 - 110**
4-Bromophenyl-phenylether	49.00	48.07	98.1	50 - 115
Butylbenzylphthalate	**49.00**	**59.97**	**122**	**45 - 115**
Caprolactam	50.00	8.721	17.4	10 - 110
Carbazole	50.00	57.16	114	50 - 115
4-Chloro-3-methylphenol	100.0	94.38	94.4	45 - 110
4-Chloroaniline	50.00	40.40	80.8	15 - 110
Bis(2-chloroethoxy)methane	49.00	44.80	91.4	45 - 105
Bis(2-chloroethyl)ether	49.00	43.23	88.2	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	53.24	109	25 - 130
2-Chloronaphthalene	49.00	44.18	90.2	50 - 105
2-Chlorophenol	100.0	88.98	89.0	35 - 105
4-Chlorophenyl phenyl ether	49.00	48.49	99.0	50 - 110
Chrysene	49.00	49.80	102	55 - 110
Dibenz(a,h)anthracene	49.00	49.38	101	40 - 125
Dibenzofuran	49.00	44.61	91.0	55 - 105
Di-n-butylphthalate	49.00	52.76	108	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24008	Laboratory ID:	2G24008-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	50.93	102	20 - 110
2,4-Dichlorophenol	100.0	99.38	99.4	40 - 110
Diethylphthalate	49.00	48.53	99.0	40 - 120
2,4-Dimethylphenol	100.0	92.25	92.2	30 - 110
Dimethyl phthalate	49.00	48.20	98.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	100.2	100	40 - 130
2,4-Dinitrophenol	100.0	86.87	86.9	15 - 140
2,4-Dinitrotoluene	49.00	48.91	99.8	50 - 120
2,6-Dinitrotoluene	49.00	47.70	97.4	50 - 115
Di-n-octylphthalate	49.00	53.27	109	35 - 135
1,2-Diphenylhydrazine	50.00	56.86	114	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	56.63	116	40 - 125
Fluoranthene	49.00	49.07	100	55 - 115
Fluorene	49.00	48.54	99.1	50 - 110
Hexachlorobenzene	49.00	45.17	92.2	50 - 110
Hexachlorobutadiene	49.00	37.95	77.4	25 - 105
Hexachlorocyclopentadiene	49.00	27.55	56.2	10 - 110
Hexachloroethane	49.00	34.88	71.2	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	50.98	104	45 - 125
Isophorone	49.00	38.42	78.4	50 - 110
1-Methylnaphthalene	50.00	47.17	94.3	30 - 115
2-Methylnaphthalene	49.00	41.24	84.2	45 - 105
2-Methylphenol	100.0	72.92	72.9	40 - 110
3-Methylphenol/4-Methylphenol	100.0	65.38	65.4	30 - 110
Naphthalene	49.00	45.58	93.0	40 - 100
4-Nitroaniline	50.00	55.70	111	35 - 120
3-Nitroaniline	50.00	46.50	93.0	20 - 125
2-Nitroaniline	**50.00**	**59.33**	**119**	**50 - 115**
Nitrobenzene	49.00	41.22	84.1	30 - 110
4-Nitrophenol	100.0	32.44	32.4	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24008	Laboratory ID:	2G24008-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	99.50	99.5	40 - 115
N-Nitrosodiphenylamine	49.00	42.31	86.3	50 - 110
N-Nitroso-di-n-propylamine	49.00	46.49	94.9	35 - 130
Pentachlorophenol	100.0	106.5	107	40 - 115
Phenanthrene	49.00	49.92	102	50 - 115
Phenol	100.0	28.46	28.5	0 - 115
Pyrene	49.00	55.86	114	50 - 130
2,4,6-Trichlorophenol	100.0	99.72	99.7	50 - 115
2,4,5-Trichlorophenol	100.0	103.0	103	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13009

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	46.23	ND	37.37	80.8		45 - 110
Acenaphthylene	46.23	ND	40.59	87.8		50 - 105
Acetophenone	47.17	ND	44.88	95.1		50 - 110
Anthracene	46.23	ND	41.23	89.2		55 - 110
Atrazine	47.17	ND	38.58	81.8		70 - 115
Benzaldehyde	47.17	ND	37.61	79.7		10 - 180
Benzidine	47.17	ND	94.3 U	0		0 - 200
Benzo(a)anthracene	46.23	ND	41.27	89.3		55 - 110
Benzo(a)pyrene	46.23	ND	41.10	88.9		55 - 110
Benzo(b)fluoranthene	46.23	ND	41.37	89.5		45 - 120
Benzo(g,h,i)perylene	46.23	ND	43.12	93.3		40 - 125
Benzoic acid	94.34	ND	25.82	27.4		0 - 125
Benzo(k)fluoranthene	46.23	ND	42.05	91.0		45 - 125
1,1-Biphenyl	47.17	ND	38.35	81.3		50 - 110
4-Bromophenyl-phenylether	46.23	ND	41.16	89.0		50 - 115
Butylbenzylphthalate	46.23	ND	48.87	106		45 - 115
Caprolactam	47.17	ND	8.869	18.8		10 - 110
Carbazole	47.17	ND	47.88	102		50 - 115
4-Chloro-3-methylphenol	94.34	ND	72.79	77.2		45 - 110
4-Chloroaniline	47.17	ND	36.02	76.4		15 - 110
Bis(2-chloroethoxy)methane	46.23	ND	48.83	106	*	45 - 105
Bis(2-chloroethyl)ether	46.23	ND	36.15	78.2		35 - 110
2,2'-Oxybis-1-chloropropane	46.23	ND	42.59	92.1		25 - 130
2-Chloronaphthalene	46.23	ND	35.86	77.6		50 - 105
2-Chlorophenol	94.34	ND	65.34	69.3		35 - 105
4-Chlorophenyl phenyl ether	46.23	ND	39.71	85.9		50 - 110
Chrysene	46.23	ND	41.56	89.9		55 - 110
Dibenz(a,h)anthracene	46.23	ND	41.90	90.6		40 - 125
Dibenzofuran	46.23	ND	37.39	80.9		55 - 105
Di-n-butylphthalate	46.23	ND	44.55	96.4		55 - 115
3,3'-Dichlorobenzidine	47.17	ND	24.90	52.8		20 - 110
2,4-Dichlorophenol	94.34	ND	80.58	85.4		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13009

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	46.23	ND	41.49	89.8		40 - 120
2,4-Dimethylphenol	94.34	ND	76.77	81.4		30 - 110
Dimethyl phthalate	46.23	ND	38.11	82.4		25 - 125
4,6-Dinitro-2-methylphenol	94.34	ND	71.56	75.9		40 - 130
2,4-Dinitrophenol	94.34	ND	59.99	63.6		15 - 140
2,4-Dinitrotoluene	46.23	ND	38.97	84.3		50 - 120
2,6-Dinitrotoluene	46.23	ND	39.72	85.9		50 - 115
Di-n-octylphthalate	46.23	ND	45.33	98.1		35 - 135
1,2-Diphenylhydrazine	47.17	ND	46.80	99.2		55 - 115
Bis(2-ethylhexyl)phthalate	46.23	ND	47.90	104		40 - 125
Fluoranthene	46.23	ND	40.30	87.2		55 - 115
Fluorene	46.23	ND	39.66	85.8		50 - 110
Hexachlorobenzene	46.23	ND	37.75	81.7		50 - 110
Hexachlorobutadiene	46.23	ND	38.04	82.3		25 - 105
Hexachlorocyclopentadiene	46.23	ND	24.00	51.9		10 - 110
Hexachloroethane	46.23	ND	32.61	70.5		30 - 95
Indeno(1,2,3-cd)pyrene	46.23	ND	42.42	91.8		45 - 125
Isophorone	46.23	ND	40.40	87.4		50 - 110
1-Methylnaphthalene	47.17	ND	58.42	124	*	30 - 115
2-Methylnaphthalene	46.23	ND	46.75	101		45 - 105
2-Methylphenol	94.34	ND	49.74	52.7		40 - 110
3-Methylphenol/4-Methylphenol	94.34	ND	48.97	51.9		30 - 110
Naphthalene	46.23	ND	44.39	96.0		40 - 100
4-Nitroaniline	47.17	ND	42.05	89.2		35 - 120
3-Nitroaniline	47.17	ND	35.86	76.0		20 - 125
2-Nitroaniline	47.17	ND	54.44	115		50 - 115
Nitrobenzene	46.23	ND	41.03	88.8		30 - 110
4-Nitrophenol	94.34	ND	26.02	27.6		0 - 125
2-Nitrophenol	94.34	ND	86.97	92.2		40 - 115
N-Nitrosodiphenylamine	46.23	ND	35.25	76.3		50 - 110
N-Nitroso-di-n-propylamine	46.23	ND	45.11	97.6		35 - 130
Pentachlorophenol	94.34	ND	75.40	79.9		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13009

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	46.23	ND	41.68	90.2		50 - 115
Phenol	94.34	ND	18.53	19.6		0 - 115
Pyrene	46.23	ND	44.43	96.1		50 - 130
2,4,6-Trichlorophenol	94.34	ND	71.10	75.4		50 - 115
2,4,5-Trichlorophenol	94.34	ND	80.39	85.2		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13009

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	39.47	80.6	5.47		30	45 - 110
Acenaphthylene	49.00	41.13	83.9	1.31		30	50 - 105
Acetophenone	50.00	48.67	97.3	8.10		30	50 - 110
Anthracene	49.00	43.06	87.9	4.32		30	55 - 110
Atrazine	50.00	43.91	87.8	12.9		30	70 - 115
Benzaldehyde	50.00	39.89	79.8	5.89		30	10 - 180
Benzidine	50.00	100 U	0			30	0 - 200
Benzo(a)anthracene	49.00	43.10	88.0	4.33		30	55 - 110
Benzo(a)pyrene	49.00	44.16	90.1	7.17		30	55 - 110
Benzo(b)fluoranthene	49.00	46.46	94.8	11.6		30	45 - 120
Benzo(g,h,i)perylene	49.00	46.53	95.0	7.61		30	40 - 125
Benzoic acid	100.0	26.94	26.9	4.23		30	0 - 125
Benzo(k)fluoranthene	49.00	42.98	87.7	2.19		30	45 - 125
1,1-Biphenyl	50.00	43.41	86.8	12.4		30	50 - 110
4-Bromophenyl-phenylether	49.00	44.55	90.9	7.90		30	50 - 115
Butylbenzylphthalate	49.00	52.33	107	6.85		30	45 - 115
Caprolactam	50.00	9.729	19.5	9.25		30	10 - 110
Carbazole	50.00	51.34	103	6.97		30	50 - 115
4-Chloro-3-methylphenol	100.0	77.04	77.0	5.68		30	45 - 110
4-Chloroaniline	50.00	36.65	73.3	1.74		30	15 - 110
Bis(2-chloroethoxy)methane	49.00	47.63	97.2	2.48		30	45 - 105
Bis(2-chloroethyl)ether	49.00	35.70	72.9	1.26		30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	44.33	90.5	4.00		30	25 - 130
2-Chloronaphthalene	49.00	38.89	79.4	8.12		30	50 - 105
2-Chlorophenol	100.0	67.56	67.6	3.34		30	35 - 105
4-Chlorophenyl phenyl ether	49.00	40.86	83.4	2.87		30	50 - 110
Chrysene	49.00	43.76	89.3	5.16		30	55 - 110
Dibenz(a,h)anthracene	49.00	45.48	92.8	8.19		30	40 - 125
Dibenzofuran	49.00	38.84	79.3	3.78		30	55 - 105
Di-n-butylphthalate	49.00	48.56	99.1	8.62		30	55 - 115
3,3'-Dichlorobenzidine	50.00	28.87	57.7	14.8		30	20 - 110
2,4-Dichlorophenol	100.0	81.70	81.7	1.38		30	40 - 110
Diethylphthalate	49.00	44.29	90.4	6.53		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13009

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	100.0	80.49	80.5	4.73		30	30 - 110
Dimethyl phthalate	49.00	41.10	83.9	7.54		30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	76.35	76.3	6.47		30	40 - 130
2,4-Dinitrophenol	100.0	66.86	66.9	10.8		30	15 - 140
2,4-Dinitrotoluene	49.00	40.31	82.3	3.37		30	50 - 120
2,6-Dinitrotoluene	49.00	41.54	84.8	4.47		30	50 - 115
Di-n-octylphthalate	49.00	49.94	102	9.67		30	35 - 135
1,2-Diphenylhydrazine	50.00	50.91	102	8.42		30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	50.71	103	5.70		30	40 - 125
Fluoranthene	49.00	43.58	88.9	7.82		30	55 - 115
Fluorene	49.00	41.82	85.3	5.30		30	50 - 110
Hexachlorobenzene	49.00	42.03	85.8	10.7		30	50 - 110
Hexachlorobutadiene	49.00	36.70	74.9	3.59		30	25 - 105
Hexachlorocyclopentadiene	49.00	24.63	50.3	2.59		30	10 - 110
Hexachloroethane	49.00	31.24	63.8	4.29		30	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	46.33	94.6	8.82		30	45 - 125
Isophorone	49.00	39.99	81.6	1.01		30	50 - 110
1-Methylnaphthalene	50.00	59.03	118	1.03	*	30	30 - 115
2-Methylnaphthalene	49.00	46.61	95.1	0.307		30	45 - 105
2-Methylphenol	100.0	53.18	53.2	6.68		30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	53.78	53.8	9.37		30	30 - 110
Naphthalene	49.00	43.19	88.1	2.75		30	40 - 100
4-Nitroaniline	50.00	45.66	91.3	8.23		30	35 - 120
3-Nitroaniline	50.00	38.87	77.7	8.04		30	20 - 125
2-Nitroaniline	50.00	58.42	117	7.05	*	30	50 - 115
Nitrobenzene	49.00	38.15	77.9	7.27		30	30 - 110
4-Nitrophenol	100.0	28.79	28.8	10.1		30	0 - 125
2-Nitrophenol	100.0	87.62	87.6	0.740		30	40 - 115
N-Nitrosodiphenylamine	49.00	37.87	77.3	7.16		30	50 - 110
N-Nitroso-di-n-propylamine	49.00	47.67	97.3	5.52		30	35 - 130
Pentachlorophenol	100.0	82.74	82.7	9.28		30	40 - 115
Phenanthrene	49.00	45.10	92.0	7.88		30	50 - 115
Phenol	100.0	20.76	20.8	11.4		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13009

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	49.00	46.05	94.0	3.58		30	50 - 130
2,4,6-Trichlorophenol	100.0	71.37	71.4	0.373		30	50 - 115
2,4,5-Trichlorophenol	100.0	81.01	81.0	0.768		30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19916

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	45.37	ND	25.97	57.2		45 - 110
Acenaphthylene	45.37	ND	28.51	62.8		50 - 105
Acetophenone	46.30	ND	31.56	68.2		50 - 110
Anthracene	45.37	ND	31.19	68.7		55 - 110
Atrazine	46.30	ND	33.16	71.6		70 - 115
Benzaldehyde	46.30	ND	30.48	65.8		10 - 180
Benzidine	46.30	ND	92.6 U	0		0 - 200
Benzo(a)anthracene	45.37	ND	30.70	67.7		55 - 110
Benzo(a)pyrene	45.37	ND	29.70	65.5		55 - 110
Benzo(b)fluoranthene	45.37	ND	32.07	70.7		45 - 120
Benzo(g,h,i)perylene	45.37	ND	31.50	69.4		40 - 125
Benzoic acid	92.59	ND	13.26	14.3		0 - 125
Benzo(k)fluoranthene	45.37	ND	30.78	67.8		45 - 125
1,1-Biphenyl	46.30	ND	33.90	73.2		50 - 110
4-Bromophenyl-phenylether	45.37	ND	30.53	67.3		50 - 115
Butylbenzylphthalate	45.37	ND	37.27	82.1		45 - 115
Caprolactam	46.30	ND	5.320	11.5		10 - 110
Carbazole	46.30	ND	37.29	80.6		50 - 115
4-Chloro-3-methylphenol	92.59	ND	48.80	52.7		45 - 110
4-Chloroaniline	46.30	ND	30.67	66.2		15 - 110
Bis(2-chloroethoxy)methane	45.37	ND	29.51	65.0		45 - 105
Bis(2-chloroethyl)ether	45.37	ND	26.81	59.1		35 - 110
2,2'-Oxybis-1-chloropropane	45.37	ND	34.92	77.0		25 - 130
2-Chloronaphthalene	45.37	ND	24.86	54.8		50 - 105
2-Chlorophenol	92.59	ND	33.38	36.1		35 - 105
4-Chlorophenyl phenyl ether	45.37	ND	26.33	58.0		50 - 110
Chrysene	45.37	ND	31.87	70.2		55 - 110
Dibenz(a,h)anthracene	45.37	ND	30.46	67.1		40 - 125
Dibenzofuran	45.37	ND	26.00	57.3		55 - 105
Di-n-butylphthalate	45.37	ND	35.24	77.7		55 - 115
3,3'-Dichlorobenzidine	46.30	ND	32.47	70.1		20 - 110
2,4-Dichlorophenol	92.59	ND	38.55	41.6		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19916

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	45.37	ND	31.13	68.6		40 - 120
2,4-Dimethylphenol	92.59	ND	55.66	60.1		30 - 110
Dimethyl phthalate	45.37	ND	29.49	65.0		25 - 125
4,6-Dinitro-2-methylphenol	92.59	ND	25.62	27.7	*	40 - 130
2,4-Dinitrophenol	92.59	ND	19.29	20.8		15 - 140
2,4-Dinitrotoluene	45.37	ND	28.54	62.9		50 - 120
2,6-Dinitrotoluene	45.37	ND	29.59	65.2		50 - 115
Di-n-octylphthalate	45.37	ND	34.06	75.1		35 - 135
1,2-Diphenylhydrazine	46.30	ND	35.94	77.6		55 - 115
Bis(2-ethylhexyl)phthalate	45.37	ND	35.66	78.6		40 - 125
Fluoranthene	45.37	ND	30.83	68.0		55 - 115
Fluorene	45.37	ND	29.58	65.2		50 - 110
Hexachlorobenzene	45.37	ND	28.88	63.7		50 - 110
Hexachlorobutadiene	45.37	ND	18.40	40.6		25 - 105
Hexachlorocyclopentadiene	45.37	ND	11.52	25.4		10 - 110
Hexachloroethane	45.37	ND	18.08	39.8		30 - 95
Indeno(1,2,3-cd)pyrene	45.37	ND	31.64	69.7		45 - 125
Isophorone	45.37	ND	26.05	57.4		50 - 110
1-Methylnaphthalene	46.30	ND	26.26	56.7		30 - 115
2-Methylnaphthalene	45.37	ND	23.48	51.7		45 - 105
2-Methylphenol	92.59	ND	37.09	40.1		40 - 110
3-Methylphenol/4-Methylphenol	92.59	ND	32.20	34.8		30 - 110
Naphthalene	45.37	ND	25.18	55.5		40 - 100
4-Nitroaniline	46.30	ND	33.57	72.5		35 - 120
3-Nitroaniline	46.30	ND	31.92	69.0		20 - 125
2-Nitroaniline	46.30	ND	38.63	83.4		50 - 115
Nitrobenzene	45.37	ND	26.70	58.8		30 - 110
4-Nitrophenol	92.59	ND	6.755	7.30		0 - 125
2-Nitrophenol	92.59	ND	38.09	41.1		40 - 115
N-Nitrosodiphenylamine	45.37	ND	26.32	58.0		50 - 110
N-Nitroso-di-n-propylamine	45.37	ND	31.78	70.0		35 - 130
Pentachlorophenol	92.59	ND	27.35	29.5	*	40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19916

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	45.37	ND	32.01	70.5		50 - 115
Phenol	92.59	ND	12.48	13.5		0 - 115
Pyrene	45.37	ND	33.44	73.7		50 - 130
2,4,6-Trichlorophenol	92.59	ND	29.75	32.1	*	50 - 115
2,4,5-Trichlorophenol	92.59	ND	37.70	40.7	*	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19916

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	45.37	34.27	75.5	27.6		30	45 - 110
Acenaphthylene	45.37	37.97	83.7	28.4		30	50 - 105
Acetophenone	46.30	43.94	94.9	32.8	*	30	50 - 110
Anthracene	45.37	40.43	89.1	25.8		30	55 - 110
Atrazine	46.30	43.77	94.5	27.6		30	70 - 115
Benzaldehyde	46.30	41.88	90.5	31.5	*	30	10 - 180
Benzidine	46.30	92.6 U	0			30	0 - 200
Benzo(a)anthracene	45.37	41.60	91.7	30.1	*	30	55 - 110
Benzo(a)pyrene	45.37	42.72	94.2	36.0	*	30	55 - 110
Benzo(b)fluoranthene	45.37	43.85	96.6	31.0	*	30	45 - 120
Benzo(g,h,i)perylene	45.37	44.72	98.6	34.7	*	30	40 - 125
Benzoic acid	92.59	16.22	17.5	20.1		30	0 - 125
Benzo(k)fluoranthene	45.37	45.48	100	38.5	*	30	45 - 125
1,1-Biphenyl	46.30	45.19	97.6	28.5		30	50 - 110
4-Bromophenyl-phenylether	45.37	36.82	81.2	18.7		30	50 - 115
Butylbenzylphthalate	45.37	50.24	111	29.7		30	45 - 115
Caprolactam	46.30	7.098	15.3	28.6		30	10 - 110
Carbazole	46.30	48.76	105	26.7		30	50 - 115
4-Chloro-3-methylphenol	92.59	70.09	75.7	35.8	*	30	45 - 110
4-Chloroaniline	46.30	40.83	88.2	28.4		30	15 - 110
Bis(2-chloroethoxy)methane	45.37	41.58	91.7	34.0	*	30	45 - 105
Bis(2-chloroethyl)ether	45.37	38.49	84.8	35.8	*	30	35 - 110
2,2'-Oxybis-1-chloropropane	45.37	46.99	104	29.5		30	25 - 130
2-Chloronaphthalene	45.37	31.85	70.2	24.6		30	50 - 105
2-Chlorophenol	92.59	56.83	61.4	52.0	*	30	35 - 105
4-Chlorophenyl phenyl ether	45.37	35.00	77.1	28.3		30	50 - 110
Chrysene	45.37	42.04	92.7	27.5		30	55 - 110
Dibenz(a,h)anthracene	45.37	43.74	96.4	35.8	*	30	40 - 125
Dibenzofuran	45.37	34.51	76.1	28.1		30	55 - 105
Di-n-butylphthalate	45.37	48.20	106	31.1	*	30	55 - 115
3,3'-Dichlorobenzidine	46.30	42.27	91.3	26.2		30	20 - 110
2,4-Dichlorophenol	92.59	63.76	68.9	49.3	*	30	40 - 110
Diethylphthalate	45.37	42.85	94.4	31.7	*	30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19916

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	92.59	73.23	79.1	27.3		30	30 - 110
Dimethyl phthalate	45.37	42.43	93.5	36.0	*	30	25 - 125
4,6-Dinitro-2-methylphenol	92.59	51.04	55.1	66.3	*	30	40 - 130
2,4-Dinitrophenol	92.59	41.02	44.3	72.1	*	30	15 - 140
2,4-Dinitrotoluene	45.37	41.25	90.9	36.4	*	30	50 - 120
2,6-Dinitrotoluene	45.37	41.76	92.0	34.1	*	30	50 - 115
Di-n-octylphthalate	45.37	48.32	107	34.6	*	30	35 - 135
1,2-Diphenylhydrazine	46.30	44.93	97.1	22.2		30	55 - 115
Bis(2-ethylhexyl)phthalate	45.37	48.11	106	29.7		30	40 - 125
Fluoranthene	45.37	41.33	91.1	29.1		30	55 - 115
Fluorene	45.37	40.37	89.0	30.8	*	30	50 - 110
Hexachlorobenzene	45.37	37.29	82.2	25.4		30	50 - 110
Hexachlorobutadiene	45.37	25.23	55.6	31.3	*	30	25 - 105
Hexachlorocyclopentadiene	45.37	16.91	37.3	37.9	*	30	10 - 110
Hexachloroethane	45.37	25.02	55.1	32.2	*	30	30 - 95
Indeno(1,2,3-cd)pyrene	45.37	44.45	98.0	33.7	*	30	45 - 125
Isophorone	45.37	34.75	76.6	28.6		30	50 - 110
1-Methylnaphthalene	46.30	34.82	75.2	28.0		30	30 - 115
2-Methylnaphthalene	45.37	30.02	66.2	24.4		30	45 - 105
2-Methylphenol	92.59	54.57	58.9	38.2	*	30	40 - 110
3-Methylphenol/4-Methylphenol	92.59	47.33	51.1	38.1	*	30	30 - 110
Naphthalene	45.37	33.25	73.3	27.6		30	40 - 100
4-Nitroaniline	46.30	48.20	104	35.8	*	30	35 - 120
3-Nitroaniline	46.30	45.65	98.6	35.4	*	30	20 - 125
2-Nitroaniline	46.30	54.41	118	33.9	* *	30	50 - 115
Nitrobenzene	45.37	36.74	81.0	31.7	*	30	30 - 110
4-Nitrophenol	92.59	13.40	14.5	66.0	*	30	0 - 125
2-Nitrophenol	92.59	65.44	70.7	52.8	*	30	40 - 115
N-Nitrosodiphenylamine	45.37	34.74	76.6	27.6		30	50 - 110
N-Nitroso-di-n-propylamine	45.37	42.90	94.6	29.8		30	35 - 130
Pentachlorophenol	92.59	53.36	57.6	64.5	*	30	40 - 115
Phenanthrene	45.37	40.97	90.3	24.6		30	50 - 115
Phenol	92.59	20.17	21.8	47.1	*	30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19916

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	45.37	44.08	97.2	27.4		30	50 - 130
2,4,6-Trichlorophenol	92.59	59.27	64.0	66.3	*	30	50 - 115
2,4,5-Trichlorophenol	92.59	66.68	72.0	55.5	*	30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24008

% Solids:

Source Sample Name: **1207067-19RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	49.00	ND	36.19	73.8		45 - 110
Acenaphthylene	49.00	ND	38.24	78.0		50 - 105
Acetophenone	50.00	ND	39.49	79.0		50 - 110
Anthracene	49.00	ND	41.43	84.5		55 - 110
Atrazine	50.00	ND	44.41	88.8		70 - 115
Benzaldehyde	50.00	ND	38.69	77.4		10 - 180
Benzidine	50.00	ND	100 U	0		0 - 200
Benzo(a)anthracene	49.00	ND	41.87	85.4		55 - 110
Benzo(a)pyrene	49.00	ND	42.13	86.0		55 - 110
Benzo(b)fluoranthene	49.00	ND	40.49	82.6		45 - 120
Benzo(g,h,i)perylene	49.00	ND	43.96	89.7		40 - 125
Benzoic acid	100.0	ND	14.52	14.5		0 - 125
Benzo(k)fluoranthene	49.00	ND	46.37	94.6		45 - 125
1,1-Biphenyl	50.00	ND	42.29	84.6		50 - 110
4-Bromophenyl-phenylether	49.00	ND	40.10	81.8		50 - 115
Butylbenzylphthalate	49.00	ND	47.16	96.3		45 - 115
Caprolactam	50.00	ND	11.45	22.9		10 - 110
Carbazole	50.00	ND	49.04	98.1		50 - 115
4-Chloro-3-methylphenol	100.0	ND	73.83	73.8		45 - 110
4-Chloroaniline	50.00	ND	33.90	67.8		15 - 110
Bis(2-chloroethoxy)methane	49.00	ND	36.43	74.3		45 - 105
Bis(2-chloroethyl)ether	49.00	ND	34.75	70.9		35 - 110
2,2'-Oxybis-1-chloropropane	49.00	ND	43.23	88.2		25 - 130
2-Chloronaphthalene	49.00	ND	33.65	68.7		50 - 105
2-Chlorophenol	100.0	ND	58.34	58.3		35 - 105
4-Chlorophenyl phenyl ether	49.00	ND	37.51	76.6		50 - 110
Chrysene	49.00	ND	41.85	85.4		55 - 110
Dibenz(a,h)anthracene	49.00	ND	43.23	88.2		40 - 125
Dibenzofuran	49.00	ND	35.50	72.5		55 - 105
Di-n-butylphthalate	49.00	ND	46.54	95.0		55 - 115
3,3'-Dichlorobenzidine	50.00	ND	43.25	86.5		20 - 110
2,4-Dichlorophenol	100.0	ND	56.06	56.1		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24008

% Solids:

Source Sample Name: **1207067-19RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	49.00	ND	39.52	80.6		40 - 120
2,4-Dimethylphenol	100.0	ND	75.27	75.3		30 - 110
Dimethyl phthalate	49.00	ND	38.78	79.1		25 - 125
4,6-Dinitro-2-methylphenol	100.0	ND	33.23	33.2	*	40 - 130
2,4-Dinitrophenol	100.0	ND	22.63	22.6		15 - 140
2,4-Dinitrotoluene	49.00	ND	38.11	77.8		50 - 120
2,6-Dinitrotoluene	49.00	ND	35.51	72.5		50 - 115
Di-n-octylphthalate	49.00	ND	45.25	92.4		35 - 135
1,2-Diphenylhydrazine	50.00	ND	45.54	91.1		55 - 115
Bis(2-ethylhexyl)phthalate	49.00	ND	47.51	97.0		40 - 125
Fluoranthene	49.00	ND	41.32	84.3		55 - 115
Fluorene	49.00	ND	38.41	78.4		50 - 110
Hexachlorobenzene	49.00	ND	38.21	78.0		50 - 110
Hexachlorobutadiene	49.00	ND	31.90	65.1		25 - 105
Hexachlorocyclopentadiene	49.00	ND	21.27	43.4		10 - 110
Hexachloroethane	49.00	ND	30.45	62.1		30 - 95
Indeno(1,2,3-cd)pyrene	49.00	ND	44.10	90.0		45 - 125
Isophorone	49.00	ND	29.49	60.2		50 - 110
1-Methylnaphthalene	50.00	ND	36.48	73.0		30 - 115
2-Methylnaphthalene	49.00	ND	32.32	66.0		45 - 105
2-Methylphenol	100.0	ND	69.46	69.5		40 - 110
3-Methylphenol/4-Methylphenol	100.0	ND	64.80	64.8		30 - 110
Naphthalene	49.00	ND	35.29	72.0		40 - 100
4-Nitroaniline	50.00	ND	44.42	88.8		35 - 120
3-Nitroaniline	50.00	ND	38.95	77.9		20 - 125
2-Nitroaniline	50.00	ND	47.61	95.2		50 - 115
Nitrobenzene	49.00	ND	34.15	69.7		30 - 110
4-Nitrophenol	100.0	ND	15.91	15.9		0 - 125
2-Nitrophenol	100.0	ND	54.81	54.8		40 - 115
N-Nitrosodiphenylamine	49.00	ND	34.13	69.7		50 - 110
N-Nitroso-di-n-propylamine	49.00	ND	38.41	78.4		35 - 130
Pentachlorophenol	100.0	ND	36.73	36.7	*	40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24008

% Solids:

Source Sample Name: **1207067-19RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	49.00	ND	42.05	85.8		50 - 115
Phenol	100.0	ND	31.01	31.0		0 - 115
Pyrene	49.00	ND	45.13	92.1		50 - 130
2,4,6-Trichlorophenol	100.0	ND	39.84	39.8	*	50 - 115
2,4,5-Trichlorophenol	100.0	ND	52.96	53.0		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24008

% Solids:

Source Sample Name: **1207067-19RE1**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	39.25	80.1	8.13		30	45 - 110
Acenaphthylene	49.00	41.69	85.1	8.62		30	50 - 105
Acetophenone	50.00	43.95	87.9	10.7		30	50 - 110
Anthracene	49.00	43.35	88.5	4.54		30	55 - 110
Atrazine	50.00	47.80	95.6	7.37		30	70 - 115
Benzaldehyde	50.00	40.38	80.8	4.29		30	10 - 180
Benzidine	50.00	100 U	0			30	0 - 200
Benzo(a)anthracene	49.00	45.55	93.0	8.42		30	55 - 110
Benzo(a)pyrene	49.00	46.51	94.9	9.88		30	55 - 110
Benzo(b)fluoranthene	49.00	46.33	94.6	13.4		30	45 - 120
Benzo(g,h,i)perylene	49.00	49.08	100	11.0		30	40 - 125
Benzoic acid	100.0	20.95	21.0	36.3	*	30	0 - 125
Benzo(k)fluoranthene	49.00	48.47	98.9	4.42		30	45 - 125
1,1-Biphenyl	50.00	47.67	95.3	12.0		30	50 - 110
4-Bromophenyl-phenylether	49.00	43.85	89.5	8.93		30	50 - 115
Butylbenzylphthalate	49.00	53.73	110	13.0		30	45 - 115
Caprolactam	50.00	15.49	31.0	30.0		30	10 - 110
Carbazole	50.00	50.54	101	3.02		30	50 - 115
4-Chloro-3-methylphenol	100.0	85.39	85.4	14.5		30	45 - 110
4-Chloroaniline	50.00	39.64	79.3	15.6		30	15 - 110
Bis(2-chloroethoxy)methane	49.00	40.68	83.0	11.0		30	45 - 105
Bis(2-chloroethyl)ether	49.00	36.96	75.4	6.17		30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	45.86	93.6	5.91		30	25 - 130
2-Chloronaphthalene	49.00	35.85	73.2	6.34		30	50 - 105
2-Chlorophenol	100.0	74.51	74.5	24.4		30	35 - 105
4-Chlorophenyl phenyl ether	49.00	42.09	85.9	11.5		30	50 - 110
Chrysene	49.00	47.14	96.2	11.9		30	55 - 110
Dibenz(a,h)anthracene	49.00	48.09	98.2	10.7		30	40 - 125
Dibenzofuran	49.00	38.77	79.1	8.81		30	55 - 105
Di-n-butylphthalate	49.00	50.02	102	7.22		30	55 - 115
3,3'-Dichlorobenzidine	50.00	45.38	90.8	4.81		30	20 - 110
2,4-Dichlorophenol	100.0	75.91	75.9	30.1	*	30	40 - 110
Diethylphthalate	49.00	43.54	88.9	9.70		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24008

% Solids:

Source Sample Name: **1207067-19RE1**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	100.0	84.57	84.6	11.6		30	30 - 110
Dimethyl phthalate	49.00	43.53	88.8	11.5		30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	70.57	70.6	71.9	*	30	40 - 130
2,4-Dinitrophenol	100.0	56.93	56.9	86.2	*	30	15 - 140
2,4-Dinitrotoluene	49.00	41.96	85.6	9.64		30	50 - 120
2,6-Dinitrotoluene	49.00	40.02	81.7	11.9		30	50 - 115
Di-n-octylphthalate	49.00	50.84	104	11.6		30	35 - 135
1,2-Diphenylhydrazine	50.00	50.36	101	10.1		30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	53.30	109	11.5		30	40 - 125
Fluoranthene	49.00	46.57	95.0	11.9		30	55 - 115
Fluorene	49.00	43.13	88.0	11.6		30	50 - 110
Hexachlorobenzene	49.00	41.34	84.4	7.88		30	50 - 110
Hexachlorobutadiene	49.00	29.88	61.0	6.54		30	25 - 105
Hexachlorocyclopentadiene	49.00	22.32	45.6	4.85		30	10 - 110
Hexachloroethane	49.00	29.95	61.1	1.65		30	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	48.48	98.9	9.48		30	45 - 125
Isophorone	49.00	33.16	67.7	11.7		30	50 - 110
1-Methylnaphthalene	50.00	41.37	82.7	12.6		30	30 - 115
2-Methylnaphthalene	49.00	35.22	71.9	8.57		30	45 - 105
2-Methylphenol	100.0	77.49	77.5	10.9		30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	75.45	75.4	15.2		30	30 - 110
Naphthalene	49.00	36.92	75.3	4.51		30	40 - 100
4-Nitroaniline	50.00	50.27	101	12.4		30	35 - 120
3-Nitroaniline	50.00	45.36	90.7	15.2		30	20 - 125
2-Nitroaniline	50.00	55.73	111	15.7		30	50 - 115
Nitrobenzene	49.00	35.55	72.6	4.02		30	30 - 110
4-Nitrophenol	100.0	39.63	39.6	85.4	*	30	0 - 125
2-Nitrophenol	100.0	77.07	77.1	33.8	*	30	40 - 115
N-Nitrosodiphenylamine	49.00	38.10	77.7	11.0		30	50 - 110
N-Nitroso-di-n-propylamine	49.00	44.22	90.2	14.1		30	35 - 130
Pentachlorophenol	100.0	73.15	73.1	66.3	*	30	40 - 115
Phenanthrene	49.00	46.17	94.2	9.34		30	50 - 115
Phenol	100.0	38.13	38.1	20.6		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24008

% Solids:

Source Sample Name: **1207067-19RE1**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	49.00	50.49	103	11.2		30	50 - 130
2,4,6-Trichlorophenol	100.0	72.23	72.2	57.8	*	30	50 - 115
2,4,5-Trichlorophenol	100.0	84.56	84.6	46.0	*	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G13009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/13/12 14:00	1,060.00	1.00
GW0669	1207051-03	07/13/12 14:00	1,060.00	1.00
GW0670	1207051-05	07/13/12 14:00	1,070.00	1.00
GW0714	1207051-07	07/13/12 14:00	1,040.00	1.00
GW0715	1207051-09	07/13/12 14:00	1,000.00	1.00
GW0716	1207051-11	07/13/12 14:00	1,020.00	1.00
GW0720	1207051-13	07/13/12 14:00	1,020.00	1.00
GW0721	1207051-15	07/13/12 14:00	1,040.00	1.00
GW0722	1207051-17	07/13/12 14:00	1,040.00	1.00
GW0729	1207051-19	07/13/12 14:00	1,000.00	1.00
Blank	2G13009-BLK1	07/13/12 14:00	1,000.00	1.00
LCS	2G13009-BS1	07/13/12 14:00	1,000.00	1.00
GW0715	2G13009-MS1	07/13/12 14:00	1,060.00	1.00
GW0715	2G13009-MSD1	07/13/12 14:00	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/18/12 11:50	1,040.00	1.00
GW0635	1207067-03	07/18/12 11:50	1,060.00	1.00
GW0644	1207067-05	07/18/12 11:50	1,070.00	1.00
GW0645	1207067-07	07/18/12 11:50	1,060.00	1.00
GW0646	1207067-09	07/18/12 11:50	1,040.00	1.00
GW0651	1207067-13	07/18/12 11:50	1,020.00	1.00
GW0652	1207067-15	07/17/12 15:16	1,000.00	1.00
GW0701	1207067-23	07/18/12 11:50	1,080.00	1.00
GW0702	1207067-25	07/18/12 11:50	1,070.00	1.00
GW0727	1207067-27	07/18/12 11:50	1,080.00	1.00
Blank	2G17006-BLK1	07/17/12 15:16	1,000.00	1.00
LCS	2G17006-BS1	07/17/12 15:16	1,000.00	1.00
LCS Dup	2G17006-BSD1	07/17/12 15:16	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G19916 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0647	1207067-11	07/19/12 11:51	1,070.00	1.00
GW0658	1207067-17	07/19/12 11:51	1,060.00	1.00
GW0659	1207067-19	07/19/12 11:51	1,080.00	1.00
GW0660	1207067-21	07/19/12 11:51	1,000.00	1.00
Blank	2G19916-BLK1	07/19/12 11:51	1,000.00	1.00
LCS	2G19916-BS1	07/19/12 11:51	1,000.00	1.00
GW0659	2G19916-MS1	07/19/12 11:51	1,080.00	1.00
GW0659	2G19916-MSD1	07/19/12 11:51	1,080.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G24008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0658	1207067-17RE1	07/24/12 07:46	500.00	0.50
GW0659	1207067-19RE1	07/24/12 07:46	1,060.00	1.00
Blank	2G24008-BLK1	07/24/12 07:46	1,000.00	1.00
LCS	2G24008-BS1	07/24/12 07:46	1,000.00	1.00
GW0659	2G24008-MS3	07/24/12 07:46	500.00	0.50
GW0659	2G24008-MSD3	07/24/12 07:46	500.00	0.50

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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_056
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_056
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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	07/18/12
Instrument ID:	MS-BNA1	Injection Time:	13:51
Sequence:	2G20106	Lab Sample ID:	2G20106-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	44	PASS
68	Less than 2% of 69	1.6	PASS
69	Less than 200% of 198	61.2	PASS
70	Less than 2% of 69	0.439	PASS
127	40 - 60% of 198	54.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.96	PASS
275	10 - 30% of 198	16.8	PASS
365	1 - 200% of 198	1.65	PASS
441	0.001 - 100% of 443	66.1	PASS
442	40 - 200% of 198	50.7	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	07/20/12
Instrument ID:	MS-BNA1	Injection Time:	14:05
Sequence:	2G20509	Lab Sample ID:	2G20509-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	32.7	PASS
68	Less than 2% of 69	1.35	PASS
69	Less than 200% of 198	47.7	PASS
70	Less than 2% of 69	0.356	PASS
127	40 - 60% of 198	45.3	PASS
197	Less than 1% of 198	0.945	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	5.94	PASS
275	10 - 30% of 198	20.9	PASS
365	1 - 200% of 198	2.33	PASS
441	0.001 - 100% of 443	72.4	PASS
442	40 - 200% of 198	83.4	PASS
443	17 - 23% of 442	19.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	07/26/12
Instrument ID:	MS-BNA1	Injection Time:	10:25
Sequence:	2G20806	Lab Sample ID:	2G20806-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	43.5	PASS
68	Less than 2% of 69	1.97	PASS
69	Less than 200% of 198	61.1	PASS
70	Less than 2% of 69	0.151	PASS
127	40 - 60% of 198	55.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.13	PASS
275	10 - 30% of 198	18.2	PASS
365	1 - 200% of 198	2.08	PASS
441	0.001 - 100% of 443	78.7	PASS
442	40 - 200% of 198	53.5	PASS
443	17 - 23% of 442	19.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	07/25/12
Instrument ID:	MS-BNA1	Injection Time:	13:33
Sequence:	2G20906	Lab Sample ID:	2G20906-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	68.6	PASS
70	Less than 2% of 69	0.495	PASS
127	40 - 60% of 198	57.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.75	PASS
275	10 - 30% of 198	16.1	PASS
365	1 - 200% of 198	1.61	PASS
441	0.001 - 100% of 443	71.7	PASS
442	40 - 200% of 198	41.7	PASS
443	17 - 23% of 442	19.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUNE.D	Injection Date:	07/26/12
Instrument ID:	MS-BNA1	Injection Time:	22:32
Sequence:	2G21201	Lab Sample ID:	2G21201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.8	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.9	PASS
70	Less than 2% of 69	0.384	PASS
127	40 - 60% of 198	52.2	PASS
197	Less than 1% of 198	0.882	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.85	PASS
275	10 - 30% of 198	18.8	PASS
365	1 - 200% of 198	1.76	PASS
441	0.001 - 100% of 443	72.9	PASS
442	40 - 200% of 198	55.7	PASS
443	17 - 23% of 442	18.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	07/27/12
Instrument ID:	MS-BNA1	Injection Time:	13:19
Sequence:	2G21207	Lab Sample ID:	2G21207-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.7	PASS
68	Less than 2% of 69	1.45	PASS
69	Less than 200% of 198	53.9	PASS
70	Less than 2% of 69	0.485	PASS
127	40 - 60% of 198	51.9	PASS
197	Less than 1% of 198	0.746	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.19	PASS
275	10 - 30% of 198	20	PASS
365	1 - 200% of 198	2.03	PASS
441	0.001 - 100% of 443	83.4	PASS
442	40 - 200% of 198	67.3	PASS
443	17 - 23% of 442	18.1	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20106	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G20106-TUN1	SEQ-TUN1.D	07/18/12 13:51
Calibration Check	2G20106-CCV1	SEQ-CCV1.D	07/18/12 14:15
Calibration Check	2G20106-CCV2	SEQ-CCV2.D	07/18/12 14:43
Blank	2G17006-BLK1	G17006B1.D	07/18/12 19:56
LCS	2G17006-BS1	G17006L1.D	07/18/12 20:25
LCS Dup	2G17006-BSD1	G17006L2.D	07/18/12 20:53

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20509	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G20509-TUN1	SEQ-TUN1.D	07/20/12 14:05
Calibration Check	2G20509-CCV1	SEQ-CCV1.D	07/20/12 14:28
Calibration Check	2G20509-CCV2	SEQ-CCV2.D	07/20/12 14:56
Blank	2G19916-BLK1	G19916B1.D	07/20/12 15:26
LCS	2G19916-BS1	G19916L1.D	07/20/12 15:54
GW0647	1207067-11	0706711.D	07/20/12 19:37
GW0658	1207067-17	0706717.D	07/20/12 20:05
GW0659	1207067-19	0706719.D	07/20/12 20:32
GW0659	2G19916-MS1	0706719M.D	07/20/12 21:00
GW0659	2G19916-MSD1	0706719S.D	07/20/12 21:28
GW0660	1207067-21	0706721.D	07/20/12 21:55

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20806	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G20806-TUN1	SEQ-TUN1.D	07/26/12 10:25
Calibration Check	2G20806-CCV1	SEQ-CCV1.D	07/26/12 10:49
Calibration Check	2G20806-CCV2	SEQ-CCV2.D	07/26/12 11:16
GW0715	2G13009-MS1	0705109M.D	07/26/12 14:05
GW0715	2G13009-MSD1	0705109S.D	07/26/12 14:34
GW0716	1207051-11	0705111.D	07/26/12 15:02
GW0720	1207051-13	0705113.D	07/26/12 15:30
GW0721	1207051-15	0705115.D	07/26/12 15:59
GW0722	1207051-17	0705117.D	07/26/12 16:27
GW0729	1207051-19	0705119.D	07/26/12 16:56
GW0630	1207067-01	0706701.D	07/26/12 20:14
GW0635	1207067-03	0706703.D	07/26/12 20:41
GW0644	1207067-05	0706705.D	07/26/12 21:09
GW0645	1207067-07	0706707.D	07/26/12 21:37
GW0646	1207067-09	0706709.D	07/26/12 22:04

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20906	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G20906-TUN1	SEQ-TUN1.D	07/25/12 13:33
Calibration Check	2G20906-CCV1	SEQ-CCV1.D	07/25/12 13:56
Calibration Check	2G20906-CCV2	SEQ-CCV2.D	07/25/12 14:25
Blank	2G13009-BLK1	G13009B1.D	07/25/12 14:53
LCS	2G13009-BS1	G13009L1.D	07/25/12 15:21
GW0668	1207051-01	0705101.D	07/25/12 15:50
GW0669	1207051-03	0705103.D	07/25/12 16:18
GW0670	1207051-05	0705105.D	07/25/12 16:47
GW0714	1207051-07	0705107.D	07/25/12 17:53
GW0715	1207051-09	0705109.D	07/25/12 18:21

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21201	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G21201-TUN1	SEQ-TUNE.D	07/26/12 22:32
Calibration Check	2G21201-CCV1	SEQCCV1E.D	07/26/12 22:55
Calibration Check	2G21201-CCV2	SEQCCV2E.D	07/26/12 23:23
GW0651	1207067-13	0706713.D	07/26/12 23:51
GW0652	1207067-15	0706715.D	07/27/12 00:19
GW0701	1207067-23	0706723.D	07/27/12 00:47
GW0702	1207067-25	0706725.D	07/27/12 01:15
GW0727	1207067-27	0706727.D	07/27/12 01:43

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21207	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2G21207-TUN1	SEQ-TUN1.D	07/27/12 13:19
Calibration Check	2G21207-CCV1	SEQ-CCV1.D	07/27/12 13:42
Calibration Check	2G21207-CCV2	SEQ-CCV2.D	07/27/12 14:10
Blank	2G24008-BLK1	G24008B1.D	07/27/12 14:38
LCS	2G24008-BS1	G24008L1.D	07/27/12 15:06
GW0658	1207067-17RE1	0706717R.D	07/27/12 15:34
GW0659	1207067-19RE1	0706719R.D	07/27/12 16:03
GW0659	2G24008-MS3	0706719M.D	07/27/12 16:31
GW0659	2G24008-MSD3	0706719S.D	07/27/12 16:59

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20106	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G20106-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 07/18/12 14:15			
1,4-Dichlorobenzene-d4	635882	5.154	567077	5.575	112	50 - 200	-0.4210	+/-0.50	
Naphthalene-d8	2519383	6.855	2257819	7.266	112	50 - 200	-0.4110	+/-0.50	
Acenaphthene-d10	1147277	9.102	1041422	9.511	110	50 - 200	-0.4090	+/-0.50	
Phenanthrene-d10	1851011	10.889	1729504	11.304	107	50 - 200	-0.4150	+/-0.50	
Chrysene-d12	1567427	14.187	1493143	14.683	105	50 - 200	-0.4960	+/-0.50	
Perylene-d12	1328057	16.328	1350302	16.936	98	50 - 200	-0.6080	+/-0.50	
Calibration Check (2G20106-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 07/18/12 14:43			
1,4-Dichlorobenzene-d4	627075	5.157	635882	5.154	99	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2644619	6.858	2519383	6.855	105	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1111170	9.105	1147277	9.102	97	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1842794	10.885	1851011	10.889	100	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1570862	14.174	1567427	14.187	100	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1280033	16.322	1328057	16.328	96	50 - 200	-0.0060	+/-0.50	
Blank (2G17006-BLK1)			Lab File ID: G17006B1.D			Analyzed: 07/18/12 19:56			
1,4-Dichlorobenzene-d4	682390	5.158	635882	5.154	107	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2701865	6.85	2519383	6.855	107	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1183508	9.1	1147277	9.102	103	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1875271	10.882	1851011	10.889	101	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1618256	14.176	1567427	14.187	103	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1365922	16.319	1328057	16.328	103	50 - 200	-0.0090	+/-0.50	
LCS (2G17006-BS1)			Lab File ID: G17006L1.D			Analyzed: 07/18/12 20:25			
1,4-Dichlorobenzene-d4	556084	5.156	635882	5.154	87	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2172836	6.857	2519383	6.855	86	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	973309	9.097	1147277	9.102	85	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1477606	10.887	1851011	10.889	80	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1300862	14.182	1567427	14.187	83	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1079845	16.319	1328057	16.328	81	50 - 200	-0.0090	+/-0.50	
LCS Dup (2G17006-BSD1)			Lab File ID: G17006L2.D			Analyzed: 07/18/12 20:53			
1,4-Dichlorobenzene-d4	597562	5.154	635882	5.154	94	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2468737	6.852	2519383	6.855	98	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1043071	9.099	1147277	9.102	91	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1687734	10.891	1851011	10.889	91	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1449616	14.176	1567427	14.187	92	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1212408	16.324	1328057	16.328	91	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20509	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G20509-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 07/20/12 14:28			
1,4-Dichlorobenzene-d4	691508	5.154	567077	5.575	122	50 - 200	-0.4210	+/-0.50	
Naphthalene-d8	2767474	6.856	2257819	7.266	123	50 - 200	-0.4100	+/-0.50	
Acenaphthene-d10	1257706	9.1	1041422	9.511	121	50 - 200	-0.4110	+/-0.50	
Phenanthrene-d10	1996110	10.885	1729504	11.304	115	50 - 200	-0.4190	+/-0.50	
Chrysene-d12	1581202	14.183	1493143	14.683	106	50 - 200	-0.5000	+/-0.50	
Perylene-d12	1284680	16.325	1350302	16.936	95	50 - 200	-0.6110	+/-0.50	
Calibration Check (2G20509-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 07/20/12 14:56			
1,4-Dichlorobenzene-d4	669572	5.156	691508	5.154	97	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2671197	6.848	2767474	6.856	97	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1200170	9.099	1257706	9.1	95	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1917452	10.889	1996110	10.885	96	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1539986	14.179	1581202	14.183	97	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1254268	16.316	1284680	16.325	98	50 - 200	-0.0090	+/-0.50	
Blank (2G19916-BLK1)			Lab File ID: G19916B1.D			Analyzed: 07/20/12 15:26			
1,4-Dichlorobenzene-d4	622784	5.153	691508	5.154	90	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2520759	6.854	2767474	6.856	91	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1075444	9.096	1257706	9.1	86	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1711725	10.887	1996110	10.885	86	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1408748	14.181	1581202	14.183	89	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1155394	16.324	1284680	16.325	90	50 - 200	-0.0010	+/-0.50	
LCS (2G19916-BS1)			Lab File ID: G19916L1.D			Analyzed: 07/20/12 15:54			
1,4-Dichlorobenzene-d4	644133	5.151	691508	5.154	93	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2517532	6.853	2767474	6.856	91	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1098657	9.103	1257706	9.1	87	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1695969	10.892	1996110	10.885	85	50 - 200	0.0070	+/-0.50	
Chrysene-d12	1394709	14.177	1581202	14.183	88	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1160821	16.323	1284680	16.325	90	50 - 200	-0.0020	+/-0.50	
GW0647 (1207067-11)			Lab File ID: 0706711.D			Analyzed: 07/20/12 19:37			
1,4-Dichlorobenzene-d4	663615	5.156	691508	5.154	96	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2707761	6.85	2767474	6.856	98	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1189318	9.099	1257706	9.1	95	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1856121	10.88	1996110	10.885	93	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1506577	14.174	1581202	14.183	95	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1239456	16.317	1284680	16.325	96	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20509	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0658 (1207067-17)			Lab File ID: 0706717.D			Analyzed: 07/20/12 20:05			
1,4-Dichlorobenzene-d4	558970	5.155	691508	5.154	81	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2272660	6.848	2767474	6.856	82	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	958006	9.091	1257706	9.1	76	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1535128	10.882	1996110	10.885	77	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1284526	14.171	1581202	14.183	81	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1055157	16.316	1284680	16.325	82	50 - 200	-0.0090	+/-0.50	
GW0659 (1207067-19)			Lab File ID: 0706719.D			Analyzed: 07/20/12 20:32			
1,4-Dichlorobenzene-d4	574293	5.156	691508	5.154	83	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2329992	6.85	2767474	6.856	84	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1045367	9.098	1257706	9.1	83	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1629303	10.881	1996110	10.885	82	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1330445	14.176	1581202	14.183	84	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1090085	16.321	1284680	16.325	85	50 - 200	-0.0040	+/-0.50	
Matrix Spike (2G19916-MS1)			Lab File ID: 0706719M.D			Analyzed: 07/20/12 21:00			
1,4-Dichlorobenzene-d4	614979	5.154	691508	5.154	89	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2391337	6.854	2767474	6.856	86	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1051305	9.098	1257706	9.1	84	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1622712	10.88	1996110	10.885	81	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1366025	14.179	1581202	14.183	86	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1130702	16.321	1284680	16.325	88	50 - 200	-0.0040	+/-0.50	
Matrix Spike Dup (2G19916-MSD1)			Lab File ID: 0706719S.D			Analyzed: 07/20/12 21:28			
1,4-Dichlorobenzene-d4	623685	5.147	691508	5.154	90	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2500537	6.85	2767474	6.856	90	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1082534	9.091	1257706	9.1	86	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1762170	10.88	1996110	10.885	88	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1482336	14.179	1581202	14.183	94	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1172410	16.314	1284680	16.325	91	50 - 200	-0.0110	+/-0.50	
GW0660 (1207067-21)			Lab File ID: 0706721.D			Analyzed: 07/20/12 21:55			
1,4-Dichlorobenzene-d4	655852	5.152	691508	5.154	95	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2576132	6.845	2767474	6.856	93	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1096978	9.092	1257706	9.1	87	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1745372	10.882	1996110	10.885	87	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1428352	14.171	1581202	14.183	90	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1157509	16.311	1284680	16.325	90	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20806	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G20806-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 07/26/12 10:49			
1,4-Dichlorobenzene-d4	569045	5.153	567077	5.575	100	50 - 200	-0.4220	+/-0.50	
Naphthalene-d8	2309880	6.855	2257819	7.266	102	50 - 200	-0.4110	+/-0.50	
Acenaphthene-d10	1009453	9.097	1041422	9.511	97	50 - 200	-0.4140	+/-0.50	
Phenanthrene-d10	1661688	10.882	1729504	11.304	96	50 - 200	-0.4220	+/-0.50	
Chrysene-d12	1298823	14.179	1493143	14.683	87	50 - 200	-0.5040	+/-0.50	
Perylene-d12	1101463	16.321	1350302	16.936	82	50 - 200	-0.6150	+/-0.50	
Calibration Check (2G20806-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 07/26/12 11:16			
1,4-Dichlorobenzene-d4	554373	5.154	569045	5.153	97	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2188924	6.854	2309880	6.855	95	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	944917	9.095	1009453	9.097	94	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1545556	10.883	1661688	10.882	93	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1251323	14.174	1298823	14.179	96	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1019876	16.32	1101463	16.321	93	50 - 200	-0.0010	+/-0.50	
Matrix Spike (2G13009-MS1)			Lab File ID: 0705109M.D			Analyzed: 07/26/12 14:05			
1,4-Dichlorobenzene-d4	497122	5.155	569045	5.153	87	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1754547	6.86	2309880	6.855	76	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	891780	9.1	1009453	9.097	88	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1344285	10.889	1661688	10.882	81	50 - 200	0.0070	+/-0.50	
Chrysene-d12	1089158	14.178	1298823	14.179	84	50 - 200	-0.0010	+/-0.50	
Perylene-d12	930773	16.319	1101463	16.321	85	50 - 200	-0.0020	+/-0.50	
Matrix Spike Dup (2G13009-MSD1)			Lab File ID: 0705109S.D			Analyzed: 07/26/12 14:34			
1,4-Dichlorobenzene-d4	454213	5.156	569045	5.153	80	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1671688	6.863	2309880	6.855	72	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	827526	9.103	1009453	9.097	82	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1228416	10.891	1661688	10.882	74	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1037040	14.18	1298823	14.179	80	50 - 200	0.0010	+/-0.50	
Perylene-d12	853896	16.322	1101463	16.321	78	50 - 200	0.0010	+/-0.50	
GW0716 (1207051-11)			Lab File ID: 0705111.D			Analyzed: 07/26/12 15:02			
1,4-Dichlorobenzene-d4	457113	5.155	569045	5.153	80	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1852037	6.856	2309880	6.855	80	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	834540	9.097	1009453	9.097	83	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1246451	10.889	1661688	10.882	75	50 - 200	0.0070	+/-0.50	
Chrysene-d12	1044526	14.177	1298823	14.179	80	50 - 200	-0.0020	+/-0.50	
Perylene-d12	866311	16.32	1101463	16.321	79	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Sequence: 2G20806

SDG: Kirtland_056
Project: Kirtland AFB 2011
Instrument: MS-BNA1
Calibration: 2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0720 (1207051-13)			Lab File ID: 0705113.D			Analyzed: 07/26/12 15:30			
1,4-Dichlorobenzene-d4	427781	5.158	569045	5.153	75	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1687480	6.85	2309880	6.855	73	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	772330	9.103	1009453	9.097	77	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1155937	10.882	1661688	10.882	70	50 - 200	0.0000	+/-0.50	
Chrysene-d12	961199	14.176	1298823	14.179	74	50 - 200	-0.0030	+/-0.50	
Perylene-d12	814378	16.325	1101463	16.321	74	50 - 200	0.0040	+/-0.50	
GW0721 (1207051-15)			Lab File ID: 0705115.D			Analyzed: 07/26/12 15:59			
1,4-Dichlorobenzene-d4	433896	5.152	569045	5.153	76	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1744743	6.854	2309880	6.855	76	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	766921	9.103	1009453	9.097	76	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1182990	10.883	1661688	10.882	71	50 - 200	0.0010	+/-0.50	
Chrysene-d12	984696	14.178	1298823	14.179	76	50 - 200	-0.0010	+/-0.50	
Perylene-d12	836857	16.321	1101463	16.321	76	50 - 200	0.0000	+/-0.50	
GW0722 (1207051-17)			Lab File ID: 0705117.D			Analyzed: 07/26/12 16:27			
1,4-Dichlorobenzene-d4	462985	5.161	569045	5.153	81	50 - 200	0.0080	+/-0.50	
Naphthalene-d8	1830494	6.853	2309880	6.855	79	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	804686	9.102	1009453	9.097	80	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1264213	10.891	1661688	10.882	76	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1059522	14.175	1298823	14.179	82	50 - 200	-0.0040	+/-0.50	
Perylene-d12	883401	16.319	1101463	16.321	80	50 - 200	-0.0020	+/-0.50	
GW0729 (1207051-19)			Lab File ID: 0705119.D			Analyzed: 07/26/12 16:56			
1,4-Dichlorobenzene-d4	468263	5.161	569045	5.153	82	50 - 200	0.0080	+/-0.50	
Naphthalene-d8	1854321	6.853	2309880	6.855	80	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	785602	9.104	1009453	9.097	78	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	1262852	10.892	1661688	10.882	76	50 - 200	0.0100	+/-0.50	
Chrysene-d12	1034881	14.175	1298823	14.179	80	50 - 200	-0.0040	+/-0.50	
Perylene-d12	877190	16.32	1101463	16.321	80	50 - 200	-0.0010	+/-0.50	
GW0630 (1207067-01)			Lab File ID: 0706701.D			Analyzed: 07/26/12 20:14			
1,4-Dichlorobenzene-d4	540523	5.152	569045	5.153	95	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2193859	6.855	2309880	6.855	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	995078	9.104	1009453	9.097	99	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	1448035	10.883	1661688	10.882	87	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1219562	14.179	1298823	14.179	94	50 - 200	0.0000	+/-0.50	
Perylene-d12	1037722	16.319	1101463	16.321	94	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20806	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0635 (1207067-03)			Lab File ID: 0706703.D			Analyzed: 07/26/12 20:41			
1,4-Dichlorobenzene-d4	595197	5.159	569045	5.153	105	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2324403	6.851	2309880	6.855	101	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1055273	9.099	1009453	9.097	105	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1620661	10.88	1661688	10.882	98	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1330027	14.175	1298823	14.179	102	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1078555	16.318	1101463	16.321	98	50 - 200	-0.0030	+/-0.50	
GW0644 (1207067-05)			Lab File ID: 0706705.D			Analyzed: 07/26/12 21:09			
1,4-Dichlorobenzene-d4	590911	5.153	569045	5.153	104	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2406101	6.857	2309880	6.855	104	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1105998	9.098	1009453	9.097	110	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1695030	10.883	1661688	10.882	102	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1350969	14.177	1298823	14.179	104	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1132795	16.318	1101463	16.321	103	50 - 200	-0.0030	+/-0.50	
GW0645 (1207067-07)			Lab File ID: 0706707.D			Analyzed: 07/26/12 21:37			
1,4-Dichlorobenzene-d4	564453	5.153	569045	5.153	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2257634	6.848	2309880	6.855	98	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1001476	9.096	1009453	9.097	99	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1565736	10.882	1661688	10.882	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1237685	14.177	1298823	14.179	95	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1015417	16.318	1101463	16.321	92	50 - 200	-0.0030	+/-0.50	
GW0646 (1207067-09)			Lab File ID: 0706709.D			Analyzed: 07/26/12 22:04			
1,4-Dichlorobenzene-d4	539410	5.154	569045	5.153	95	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2255441	6.847	2309880	6.855	98	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	950880	9.098	1009453	9.097	94	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1524334	10.887	1661688	10.882	92	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1234237	14.174	1298823	14.179	95	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1018821	16.318	1101463	16.321	92	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20906	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G20906-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 07/25/12 13:56			
1,4-Dichlorobenzene-d4	513808	5.152	567077	5.575	91	50 - 200	-0.4230	+/-0.50	
Naphthalene-d8	2106653	6.856	2257819	7.266	93	50 - 200	-0.4100	+/-0.50	
Acenaphthene-d10	893560	9.103	1041422	9.511	86	50 - 200	-0.4080	+/-0.50	
Phenanthrene-d10	1444128	10.89	1729504	11.304	83	50 - 200	-0.4140	+/-0.50	
Chrysene-d12	1164573	14.182	1493143	14.683	78	50 - 200	-0.5010	+/-0.50	
Perylene-d12	991134	16.322	1350302	16.936	73	50 - 200	-0.6140	+/-0.50	
Calibration Check (2G20906-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 07/25/12 14:25			
1,4-Dichlorobenzene-d4	486618	5.159	513808	5.152	95	50 - 200	0.0070	+/-0.50	
Naphthalene-d8	1995455	6.856	2106653	6.856	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	887291	9.099	893560	9.103	99	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1352024	10.886	1444128	10.89	94	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1121697	14.172	1164573	14.182	96	50 - 200	-0.0100	+/-0.50	
Perylene-d12	923482	16.319	991134	16.322	93	50 - 200	-0.0030	+/-0.50	
Blank (2G13009-BLK1)			Lab File ID: G13009B1.D			Analyzed: 07/25/12 14:53			
1,4-Dichlorobenzene-d4	524590	5.156	513808	5.152	102	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2096208	6.852	2106653	6.856	100	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	911702	9.098	893560	9.103	102	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1468452	10.884	1444128	10.89	102	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1193215	14.175	1164573	14.182	102	50 - 200	-0.0070	+/-0.50	
Perylene-d12	990175	16.321	991134	16.322	100	50 - 200	-0.0010	+/-0.50	
LCS (2G13009-BS1)			Lab File ID: G13009L1.D			Analyzed: 07/25/12 15:21			
1,4-Dichlorobenzene-d4	525399	5.154	513808	5.152	102	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2153522	6.856	2106653	6.856	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	917225	9.1	893560	9.103	103	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1429783	10.891	1444128	10.89	99	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1141491	14.181	1164573	14.182	98	50 - 200	-0.0010	+/-0.50	
Perylene-d12	939125	16.317	991134	16.322	95	50 - 200	-0.0050	+/-0.50	
GW0668 (1207051-01)			Lab File ID: 0705101.D			Analyzed: 07/25/12 15:50			
1,4-Dichlorobenzene-d4	538216	5.153	513808	5.152	105	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2124623	6.851	2106653	6.856	101	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	933844	9.097	893560	9.103	105	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1493791	10.889	1444128	10.89	103	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1224364	14.175	1164573	14.182	105	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1029011	16.324	991134	16.322	104	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20906	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0669 (1207051-03)			Lab File ID: 0705103.D			Analyzed: 07/25/12 16:18			
1,4-Dichlorobenzene-d4	501130	5.149	513808	5.152	98	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2052241	6.854	2106653	6.856	97	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	875077	9.099	893560	9.103	98	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1339611	10.884	1444128	10.89	93	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1090466	14.177	1164573	14.182	94	50 - 200	-0.0050	+/-0.50	
Perylene-d12	937085	16.316	991134	16.322	95	50 - 200	-0.0060	+/-0.50	
GW0670 (1207051-05)			Lab File ID: 0705105.D			Analyzed: 07/25/12 16:47			
1,4-Dichlorobenzene-d4	492390	5.156	513808	5.152	96	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1955959	6.853	2106653	6.856	93	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	855562	9.096	893560	9.103	96	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1334473	10.881	1444128	10.89	92	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1066369	14.177	1164573	14.182	92	50 - 200	-0.0050	+/-0.50	
Perylene-d12	906587	16.315	991134	16.322	91	50 - 200	-0.0070	+/-0.50	
GW0714 (1207051-07)			Lab File ID: 0705107.D			Analyzed: 07/25/12 17:53			
1,4-Dichlorobenzene-d4	421117	5.16	513808	5.152	82	50 - 200	0.0080	+/-0.50	
Naphthalene-d8	1701141	6.861	2106653	6.856	81	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	765688	9.101	893560	9.103	86	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1134510	10.891	1444128	10.89	79	50 - 200	0.0010	+/-0.50	
Chrysene-d12	950459	14.176	1164573	14.182	82	50 - 200	-0.0060	+/-0.50	
Perylene-d12	779255	16.316	991134	16.322	79	50 - 200	-0.0060	+/-0.50	
GW0715 (1207051-09)			Lab File ID: 0705109.D			Analyzed: 07/25/12 18:21			
1,4-Dichlorobenzene-d4	457716	5.153	513808	5.152	89	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1718111	6.858	2106653	6.856	82	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	835910	9.104	893560	9.103	94	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1250101	10.884	1444128	10.89	87	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1011073	14.171	1164573	14.182	87	50 - 200	-0.0110	+/-0.50	
Perylene-d12	867362	16.317	991134	16.322	88	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21201	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G21201-CCV1)			Lab File ID: SEQCCV1E.D			Analyzed: 07/26/12 22:55			
1,4-Dichlorobenzene-d4	603232	5.152	567077	5.575	106	50 - 200	-0.4230	+/-0.50	
Naphthalene-d8	2427298	6.854	2257819	7.266	108	50 - 200	-0.4120	+/-0.50	
Acenaphthene-d10	1088421	9.099	1041422	9.511	105	50 - 200	-0.4120	+/-0.50	
Phenanthrene-d10	1711446	10.887	1729504	11.304	99	50 - 200	-0.4170	+/-0.50	
Chrysene-d12	1361908	14.174	1493143	14.683	91	50 - 200	-0.5090	+/-0.50	
Perylene-d12	1141656	16.315	1350302	16.936	85	50 - 200	-0.6210	+/-0.50	
Calibration Check (2G21201-CCV2)			Lab File ID: SEQCCV2E.D			Analyzed: 07/26/12 23:23			
1,4-Dichlorobenzene-d4	654626	5.151	603232	5.152	109	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2663630	6.851	2427298	6.854	110	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1151394	9.099	1088421	9.099	106	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1809860	10.887	1711446	10.887	106	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1516994	14.171	1361908	14.174	111	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1249171	16.32	1141656	16.315	109	50 - 200	0.0050	+/-0.50	
GW0651 (1207067-13)			Lab File ID: 0706713.D			Analyzed: 07/26/12 23:51			
1,4-Dichlorobenzene-d4	616000	5.152	603232	5.152	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2486204	6.853	2427298	6.854	102	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1050016	9.1	1088421	9.099	96	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1650092	10.881	1711446	10.887	96	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1381483	14.171	1361908	14.174	101	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1140758	16.319	1141656	16.315	100	50 - 200	0.0040	+/-0.50	
GW0652 (1207067-15)			Lab File ID: 0706715.D			Analyzed: 07/27/12 00:19			
1,4-Dichlorobenzene-d4	642149	5.149	603232	5.152	106	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2601576	6.85	2427298	6.854	107	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1123362	9.1	1088421	9.099	103	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1750499	10.882	1711446	10.887	102	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1443450	14.177	1361908	14.174	106	50 - 200	0.0030	+/-0.50	
Perylene-d12	1211867	16.316	1141656	16.315	106	50 - 200	0.0010	+/-0.50	
GW0701 (1207067-23)			Lab File ID: 0706723.D			Analyzed: 07/27/12 00:47			
1,4-Dichlorobenzene-d4	638173	5.15	603232	5.152	106	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2533324	6.85	2427298	6.854	104	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1136342	9.099	1088421	9.099	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1705473	10.887	1711446	10.887	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1418180	14.173	1361908	14.174	104	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1153761	16.32	1141656	16.315	101	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21201	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0702 (1207067-25)			Lab File ID: 0706725.D			Analyzed: 07/27/12 01:15			
1,4-Dichlorobenzene-d4	584425	5.153	603232	5.152	97	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2405381	6.853	2427298	6.854	99	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1031369	9.092	1088421	9.099	95	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1639906	10.881	1711446	10.887	96	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1366204	14.174	1361908	14.174	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	1094866	16.322	1141656	16.315	96	50 - 200	0.0070	+/-0.50	
GW0727 (1207067-27)			Lab File ID: 0706727.D			Analyzed: 07/27/12 01:43			
1,4-Dichlorobenzene-d4	556736	5.154	603232	5.152	92	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2295221	6.855	2427298	6.854	95	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1010037	9.095	1088421	9.099	93	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1531592	10.88	1711446	10.887	89	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1286777	14.176	1361908	14.174	94	50 - 200	0.0020	+/-0.50	
Perylene-d12	1061268	16.315	1141656	16.315	93	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21207	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2G21207-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 07/27/12 13:42			
1,4-Dichlorobenzene-d4	628488	5.146	567077	5.575	111	50 - 200	-0.4290	+/-0.50	
Naphthalene-d8	2503071	6.855	2257819	7.266	111	50 - 200	-0.4110	+/-0.50	
Acenaphthene-d10	1119651	9.097	1041422	9.511	108	50 - 200	-0.4140	+/-0.50	
Phenanthrene-d10	1803115	10.887	1729504	11.304	104	50 - 200	-0.4170	+/-0.50	
Chrysene-d12	1467042	14.177	1493143	14.683	98	50 - 200	-0.5060	+/-0.50	
Perylene-d12	1188699	16.321	1350302	16.936	88	50 - 200	-0.6150	+/-0.50	
Calibration Check (2G21207-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 07/27/12 14:10			
1,4-Dichlorobenzene-d4	608110	5.15	628488	5.146	97	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2448347	6.851	2503071	6.855	98	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1071245	9.098	1119651	9.097	96	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1649238	10.886	1803115	10.887	91	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1378725	14.178	1467042	14.177	94	50 - 200	0.0010	+/-0.50	
Perylene-d12	1121410	16.314	1188699	16.321	94	50 - 200	-0.0070	+/-0.50	
Blank (2G24008-BLK1)			Lab File ID: G24008B1.D			Analyzed: 07/27/12 14:38			
1,4-Dichlorobenzene-d4	579716	5.15	628488	5.146	92	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2354221	6.854	2503071	6.855	94	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1023932	9.1	1119651	9.097	91	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1580112	10.88	1803115	10.887	88	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1322439	14.178	1467042	14.177	90	50 - 200	0.0010	+/-0.50	
Perylene-d12	1090959	16.314	1188699	16.321	92	50 - 200	-0.0070	+/-0.50	
LCS (2G24008-BS1)			Lab File ID: G24008L1.D			Analyzed: 07/27/12 15:06			
1,4-Dichlorobenzene-d4	489172	5.153	628488	5.146	78	50 - 200	0.0070	+/-0.50	
Naphthalene-d8	1979780	6.852	2503071	6.855	79	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	867363	9.094	1119651	9.097	77	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1383293	10.887	1803115	10.887	77	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1100641	14.178	1467042	14.177	75	50 - 200	0.0010	+/-0.50	
Perylene-d12	913647	16.322	1188699	16.321	77	50 - 200	0.0010	+/-0.50	
GW0658 (1207067-17RE1)			Lab File ID: 0706717R.D			Analyzed: 07/27/12 15:34			
1,4-Dichlorobenzene-d4	487650	5.155	628488	5.146	78	50 - 200	0.0090	+/-0.50	
Naphthalene-d8	1885595	6.854	2503071	6.855	75	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	834681	9.1	1119651	9.097	75	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1307348	10.878	1803115	10.887	73	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1065270	14.175	1467042	14.177	73	50 - 200	-0.0020	+/-0.50	
Perylene-d12	894665	16.312	1188699	16.321	75	50 - 200	-0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21207	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0659 (1207067-19RE1)			Lab File ID: 0706719R.D			Analyzed: 07/27/12 16:03			
1,4-Dichlorobenzene-d4	502604	5.153	628488	5.146	80	50 - 200	0.0070	+/-0.50	
Naphthalene-d8	2028686	6.855	2503071	6.855	81	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	874525	9.093	1119651	9.097	78	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1426011	10.882	1803115	10.887	79	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1179485	14.171	1467042	14.177	80	50 - 200	-0.0060	+/-0.50	
Perylene-d12	915572	16.314	1188699	16.321	77	50 - 200	-0.0070	+/-0.50	
Matrix Spike (2G24008-MS3)			Lab File ID: 0706719M.D			Analyzed: 07/27/12 16:31			
1,4-Dichlorobenzene-d4	501013	5.152	628488	5.146	80	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2037929	6.854	2503071	6.855	81	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	898673	9.099	1119651	9.097	80	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1373736	10.886	1803115	10.887	76	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1158887	14.178	1467042	14.177	79	50 - 200	0.0010	+/-0.50	
Perylene-d12	943042	16.322	1188699	16.321	79	50 - 200	0.0010	+/-0.50	
Matrix Spike Dup (2G24008-MSD3)			Lab File ID: 0706719S.D			Analyzed: 07/27/12 16:59			
1,4-Dichlorobenzene-d4	424710	5.151	628488	5.146	68	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1731891	6.853	2503071	6.855	69	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	761410	9.093	1119651	9.097	68	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1205651	10.88	1803115	10.887	67	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	971645	14.175	1467042	14.177	66	50 - 200	-0.0020	+/-0.50	
Perylene-d12	792633	16.314	1188699	16.321	67	50 - 200	-0.0070	+/-0.50	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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_056
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_056	
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_056
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_056
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_056
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_056	
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_056	
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_056	
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_056		
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_056
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_056
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_056
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_056
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_056
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_056
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_056
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_056
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_056
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_056
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:	2G20106	Injection Date:	07/18/12
Lab Sample ID:	2G20106-CCV1	Injection Time:	14:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	49.55	1.136987	1.126779	0.9	-0.9	20	
Acenaphthylene	A	50.00	50.67	1.876142	1.901162	0.9	1.3	20	
Anthracene	A	50.00	49.58	1.054797	1.045867	0.7	-0.8	20	
Benzo(a)anthracene	A	50.00	48.98	1.127046	1.104179	0.8	-2.0	20	
Benzo(a)pyrene	A	50.00	49.02	1.037678	1.01738	0.7	-2.0	20	
Benzo(b)fluoranthene	A	50.00	48.78	1.119538	1.092313	0.7	-2.4	20	
Benzo(g,h,i)perylene	A	50.00	49.62	0.9327314	0.9257217	0.5	-0.8	20	
Benzoic acid	L	50.00	53.69	0.2119614	0.2387369	0.01	7.4	20	
Benzo(k)fluoranthene	A	50.00	50.74	1.183338	1.200787	0.7	1.5	20	
4-Bromophenyl-phenylether	A	50.00	48.17	0.1888061	0.1819088	0.1	-3.7	20	
Butylbenzylphthalate	A	50.00	54.27	0.6706426	0.7279773	0.01	8.5	20	
Carbazole	A	50.00	50.11	1.013887	1.016069	0.01	0.2	20	
4-Chloro-3-methylphenol	A	50.00	48.87	0.2913522	0.2847589	0.2	-2.3	20	
4-Chloroaniline	A	50.00	49.72	0.4367423	0.4343286	0.01	-0.6	20	
Bis(2-chloroethoxy)methane	A	50.00	47.40	0.5182488	0.4912958	0.3	-5.2	20	
Bis(2-chloroethyl)ether	A	50.00	45.51	1.849551	1.683423	0.7	-9.0	20	
2,2'-Oxybis-1-chloropropane	A	50.00	60.07	2.322149	2.789794	0.01	20.1	20	*
2-Chloronaphthalene	A	50.00	47.56	1.14673	1.090886	0.8	-4.9	20	
2-Chlorophenol	A	50.00	49.25	1.49343	1.471087	0.8	-1.5	20	
4-Chlorophenyl phenyl ether	A	50.00	48.87	0.5655923	0.5527662	0.4	-2.3	20	
Chrysene	A	50.00	47.16	1.056978	0.9970679	0.7	-5.7	20	
Dibenz(a,h)anthracene	A	50.00	49.74	0.927476	0.9225869	0.4	-0.5	20	
Dibenzofuran	A	50.00	48.85	1.556891	1.520985	0.8	-2.3	20	
Di-n-butylphthalate	A	50.00	52.45	1.422346	1.491989	0.01	4.9	20	
2,4-Dichlorophenol	A	50.00	48.89	0.241012	0.2356504	0.2	-2.2	20	
Diethylphthalate	A	50.00	51.28	1.3631	1.397979	0.01	2.6	20	
2,4-Dimethylphenol	A	50.00	48.07	0.3519307	0.3383193	0.2	-3.9	20	
Dimethyl phthalate	A	50.00	48.85	1.312894	1.282798	0.01	-2.3	20	
4,6-Dinitro-2-methylphenol	L	50.00	46.65	0.1423453	0.1423741	0.01	-6.7	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20106	Injection Date:	07/18/12
Lab Sample ID:	2G20106-CCV1	Injection Time:	14:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	46.20	0.189189	0.1871918	0.01	-7.6	20
2,4-Dinitrotoluene	A	50.00	47.02	0.4026331	0.3786266	0.2	-6.0	20
2,6-Dinitrotoluene	A	50.00	49.88	0.3082828	0.3075191	0.2	-0.2	20
Di-n-octylphthalate	L	50.00	51.75	1.691535	1.943264	0.01	3.5	20
1,2-Diphenylhydrazine	A	50.00	47.76	1.206569	1.152588	0.01	-4.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.62	0.9262458	0.9933089	0.01	7.2	20
Fluoranthene	A	50.00	48.72	1.116696	1.08814	0.6	-2.6	20
Fluorene	A	50.00	50.38	1.192539	1.201613	0.9	0.8	20
Hexachlorobenzene	A	50.00	48.47	0.2086611	0.2022618	0.1	-3.1	20
Hexachlorobutadiene	A	50.00	45.62	0.1401148	0.1278357	0.01	-8.8	20
Hexachlorocyclopentadiene	A	50.00	47.84	0.3377187	0.3231031	0.05	-4.3	20
Hexachloroethane	A	50.00	46.71	0.6768699	0.6323274	0.3	-6.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.14	1.101365	1.08239	0.5	-1.7	20
Isophorone	A	50.00	49.03	0.8641251	0.8473697	0.4	-1.9	20
1-Methylnaphthalene	A	50.00	48.31	0.4880715	0.4715977	0.01	-3.4	20
2-Methylnaphthalene	A	50.00	50.35	0.5061603	0.5097334	0.4	0.7	20
2-Methylphenol	A	50.00	48.48	1.397021	1.354562	0.7	-3.0	20
3-Methylphenol/4-Methylphenol	A	50.00	50.76	1.442796	1.464787		1.5	20
Naphthalene	L	50.00	50.61	1.050386	1.052008	0.7	1.2	20
4-Nitroaniline	A	50.00	49.32	0.4178622	0.4121746	0.01	-1.4	20
3-Nitroaniline	A	50.00	49.02	0.4255398	0.4172307	0.01	-2.0	20
2-Nitroaniline	A	50.00	52.39	0.3916404	0.4103532	0.01	4.8	20
Nitrobenzene	A	50.00	47.81	0.4425367	0.4231223	0.2	-4.4	20
4-Nitrophenol	A	50.00	54.06	0.2791278	0.301781	0.01	8.1	20
2-Nitrophenol	A	50.00	51.37	0.1927768	0.198059	0.1	2.7	20
N-Nitrosodiphenylamine	A	50.00	50.62	0.6161259	0.6238342	0.01	1.3	20
N-Nitroso-di-n-propylamine	A	50.00	53.34	1.158591	1.236077	0.5	6.7	20
Pentachlorophenol	L	50.00	47.80	0.1325918	0.1327097	0.05	-4.4	20
Phenanthrene	A	50.00	49.54	1.031015	1.021483	0.7	-0.9	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20106	Injection Date:	07/18/12
Lab Sample ID:	2G20106-CCV1	Injection Time:	14:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.04	2.325149	2.187381	0.8	-5.9	20
Pyrene	A	50.00	49.61	1.294953	1.284808	0.6	-0.8	20
2,4,6-Trichlorophenol	A	50.00	48.92	0.3586929	0.3509221	0.2	-2.2	20
2,4,5-Trichlorophenol	A	50.00	49.62	0.364007	0.3612805	0.2	-0.7	20
2-Fluorobiphenyl	A	50.00	47.75	1.275261	1.217946	0.01	-4.5	20
2-Fluorophenol	A	100.0	95.94	1.495125	1.43439	0.01	-4.1	20
Nitrobenzene-d5	A	50.00	50.47	0.4397155	0.4438538	0.01	0.9	20
Phenol-d6	A	100.0	96.60	1.998108	1.930241	0.01	-3.4	20
Terphenyl-d14	A	50.00	48.86	0.7510018	0.7338636	0.01	-2.3	20
2,4,6-Tribromophenol	A	100.0	99.52	0.1098978	0.1093679	0.01	-0.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20106	Injection Date:	07/18/12
Lab Sample ID:	2G20106-CCV2	Injection Time:	14:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	47.55	1.981805	1.884877	0.01	-4.9	20
Atrazine	A	50.00	49.72	0.1871073	0.1860731	0.01	-0.6	20
Benzaldehyde	A	50.00	46.60	1.329702	1.239255	0.01	-6.8	20
Benzidine	A	50.00	51.18	0.8176906	0.8370757	0.01	2.4	20
1,1-Biphenyl	A	50.00	49.78	1.459667	1.453159	0.01	-0.4	20
Caprolactam	A	50.00	45.84	0.1167348	0.107017	0.01	-8.3	20
3,3'-Dichlorobenzidine	A	50.00	52.06	0.384325	0.4001553	0.01	4.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20509	Injection Date:	07/20/12
Lab Sample ID:	2G20509-CCV1	Injection Time:	14:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	49.02	1.136987	1.114742	0.9	-2.0	20	
Acenaphthylene	A	50.00	51.30	1.876142	1.925141	0.9	2.6	20	
Anthracene	A	50.00	49.26	1.054797	1.039097	0.7	-1.5	20	
Benzo(a)anthracene	A	50.00	48.73	1.127046	1.098352	0.8	-2.5	20	
Benzo(a)pyrene	A	50.00	50.03	1.037678	1.038269	0.7	0.06	20	
Benzo(b)fluoranthene	A	50.00	48.60	1.119538	1.088113	0.7	-2.8	20	
Benzo(g,h,i)perylene	A	50.00	51.26	0.9327314	0.9563085	0.5	2.5	20	
Benzoic acid	L	50.00	51.24	0.2119614	0.2244562	0.01	2.5	20	
Benzo(k)fluoranthene	A	50.00	53.05	1.183338	1.255513	0.7	6.1	20	
4-Bromophenyl-phenylether	A	50.00	47.92	0.1888061	0.1809371	0.1	-4.2	20	
Butylbenzylphthalate	A	50.00	55.46	0.6706426	0.7438842	0.01	10.9	20	
Carbazole	A	50.00	49.88	1.013887	1.011564	0.01	-0.2	20	
4-Chloro-3-methylphenol	A	50.00	48.00	0.2913522	0.2797029	0.2	-4.0	20	
4-Chloroaniline	A	50.00	50.14	0.4367423	0.4379662	0.01	0.3	20	
Bis(2-chloroethoxy)methane	A	50.00	47.96	0.5182488	0.4970962	0.3	-4.1	20	
Bis(2-chloroethyl)ether	A	50.00	46.70	1.849551	1.727661	0.7	-6.6	20	
2,2'-Oxybis-1-chloropropane	A	50.00	63.20	2.322149	2.935086	0.01	26.4	20	*
2-Chloronaphthalene	A	50.00	49.16	1.14673	1.12742	0.8	-1.7	20	
2-Chlorophenol	A	50.00	50.56	1.49343	1.510109	0.8	1.1	20	
4-Chlorophenyl phenyl ether	A	50.00	47.78	0.5655923	0.5404634	0.4	-4.4	20	
Chrysene	A	50.00	46.85	1.056978	0.9904895	0.7	-6.3	20	
Dibenz(a,h)anthracene	A	50.00	50.77	0.927476	0.9417704	0.4	1.5	20	
Dibenzofuran	A	50.00	48.56	1.556891	1.512207	0.8	-2.9	20	
Di-n-butylphthalate	A	50.00	51.91	1.422346	1.476753	0.01	3.8	20	
2,4-Dichlorophenol	A	50.00	51.48	0.241012	0.2481388	0.2	3.0	20	
Diethylphthalate	A	50.00	49.06	1.3631	1.337541	0.01	-1.9	20	
2,4-Dimethylphenol	A	50.00	48.58	0.3519307	0.3419288	0.2	-2.8	20	
Dimethyl phthalate	A	50.00	50.04	1.312894	1.313857	0.01	0.07	20	
4,6-Dinitro-2-methylphenol	L	50.00	46.71	0.1423453	0.1426042	0.01	-6.6	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20509	Injection Date:	07/20/12
Lab Sample ID:	2G20509-CCV1	Injection Time:	14:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	44.59	0.189189	0.1797221	0.01	-10.8	20
2,4-Dinitrotoluene	A	50.00	47.23	0.4026331	0.3803534	0.2	-5.5	20
2,6-Dinitrotoluene	A	50.00	48.67	0.3082828	0.3000988	0.2	-2.7	20
Di-n-octylphthalate	L	50.00	53.86	1.691535	2.02742	0.01	7.7	20
1,2-Diphenylhydrazine	A	50.00	50.21	1.206569	1.211554	0.01	0.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.26	0.9262458	1.005259	0.01	8.5	20
Fluoranthene	A	50.00	48.56	1.116696	1.084489	0.6	-2.9	20
Fluorene	A	50.00	53.71	1.192539	1.281144	0.9	7.4	20
Hexachlorobenzene	A	50.00	47.54	0.2086611	0.1983867	0.1	-4.9	20
Hexachlorobutadiene	A	50.00	44.93	0.1401148	0.1258976	0.01	-10.1	20
Hexachlorocyclopentadiene	A	50.00	41.41	0.3377187	0.2797245	0.05	-17.2	20
Hexachloroethane	A	50.00	49.29	0.6768699	0.6672675	0.3	-1.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.72	1.101365	1.117211	0.5	1.4	20
Isophorone	A	50.00	49.81	0.8641251	0.8607795	0.4	-0.4	20
1-Methylnaphthalene	A	50.00	50.71	0.4880715	0.4949912	0.01	1.4	20
2-Methylnaphthalene	A	50.00	50.20	0.5061603	0.5081376	0.4	0.4	20
2-Methylphenol	A	50.00	47.86	1.397021	1.337345	0.7	-4.3	20
3-Methylphenol/4-Methylphenol	A	50.00	49.88	1.442796	1.439295		-0.2	20
Naphthalene	L	50.00	52.28	1.050386	1.085872	0.7	4.6	20
4-Nitroaniline	A	50.00	49.98	0.4178622	0.4177167	0.01	-0.03	20
3-Nitroaniline	A	50.00	49.88	0.4255398	0.4244973	0.01	-0.2	20
2-Nitroaniline	A	50.00	51.32	0.3916404	0.4020259	0.01	2.7	20
Nitrobenzene	A	50.00	48.33	0.4425367	0.4277758	0.2	-3.3	20
4-Nitrophenol	A	50.00	52.00	0.2791278	0.2902694	0.01	4.0	20
2-Nitrophenol	A	50.00	51.57	0.1927768	0.198823	0.1	3.1	20
N-Nitrosodiphenylamine	A	50.00	49.97	0.6161259	0.6157689	0.01	-0.06	20
N-Nitroso-di-n-propylamine	A	50.00	51.92	1.158591	1.202969	0.5	3.8	20
Pentachlorophenol	L	50.00	47.15	0.1325918	0.1307752	0.05	-5.7	20
Phenanthrene	A	50.00	48.94	1.031015	1.009097	0.7	-2.1	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20509	Injection Date:	07/20/12
Lab Sample ID:	2G20509-CCV1	Injection Time:	14:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.82	2.325149	2.223749	0.8	-4.4	20
Pyrene	A	50.00	51.20	1.294953	1.325919	0.6	2.4	20
2,4,6-Trichlorophenol	A	50.00	48.78	0.3586929	0.349926	0.2	-2.4	20
2,4,5-Trichlorophenol	A	50.00	49.82	0.364007	0.3627366	0.2	-0.3	20
2-Fluorobiphenyl	A	50.00	49.90	1.275261	1.272785	0.01	-0.2	20
2-Fluorophenol	A	100.0	98.55	1.495125	1.473391	0.01	-1.5	20
Nitrobenzene-d5	A	50.00	47.75	0.4397155	0.4199165	0.01	-4.5	20
Phenol-d6	A	100.0	99.24	1.998108	1.982888	0.01	-0.8	20
Terphenyl-d14	A	50.00	50.57	0.7510018	0.7595675	0.01	1.1	20
2,4,6-Tribromophenol	A	100.0	99.48	0.1098978	0.1093226	0.01	-0.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20509	Injection Date:	07/20/12
Lab Sample ID:	2G20509-CCV2	Injection Time:	14:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	46.70	1.981805	1.851026	0.01	-6.6	20
Atrazine	A	50.00	48.71	0.1871073	0.1822731	0.01	-2.6	20
Benzaldehyde	A	50.00	45.28	1.329702	1.204252	0.01	-9.4	20
Benzidine	A	50.00	50.23	0.8176906	0.821488	0.01	0.5	20
1,1-Biphenyl	A	50.00	49.71	1.459667	1.451336	0.01	-0.6	20
Caprolactam	A	50.00	47.21	0.1167348	0.1102262	0.01	-5.6	20
3,3'-Dichlorobenzidine	A	50.00	50.59	0.384325	0.3888596	0.01	1.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20806	Injection Date:	07/26/12
Lab Sample ID:	2G20806-CCV1	Injection Time:	10:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	50.84	1.136987	1.156025	0.9	1.7	20	
Acenaphthylene	A	50.00	51.80	1.876142	1.943854	0.9	3.6	20	
Anthracene	A	50.00	49.34	1.054797	1.040793	0.7	-1.3	20	
Benzo(a)anthracene	A	50.00	50.42	1.127046	1.136612	0.8	0.8	20	
Benzo(a)pyrene	A	50.00	49.72	1.037678	1.031871	0.7	-0.6	20	
Benzo(b)fluoranthene	A	50.00	50.46	1.119538	1.129753	0.7	0.9	20	
Benzo(g,h,i)perylene	A	50.00	51.99	0.9327314	0.9699137	0.5	4.0	20	
Benzoic acid	L	50.00	48.41	0.2119614	0.2079734	0.01	-3.2	20	
Benzo(k)fluoranthene	A	50.00	51.14	1.183338	1.210259	0.7	2.3	20	
4-Bromophenyl-phenylether	A	50.00	48.84	0.1888061	0.1844081	0.1	-2.3	20	
Butylbenzylphthalate	A	50.00	56.13	0.6706426	0.7528465	0.01	12.3	20	
Carbazole	A	50.00	51.21	1.013887	1.038487	0.01	2.4	20	
4-Chloro-3-methylphenol	A	50.00	48.54	0.2913522	0.2828185	0.2	-2.9	20	
4-Chloroaniline	A	50.00	49.46	0.4367423	0.4319992	0.01	-1.1	20	
Bis(2-chloroethoxy)methane	A	50.00	46.25	0.5182488	0.479362	0.3	-7.5	20	
Bis(2-chloroethyl)ether	A	50.00	45.90	1.849551	1.697969	0.7	-8.2	20	
2,2'-Oxybis-1-chloropropane	A	50.00	60.22	2.322149	2.796601	0.01	20.4	20	*
2-Chloronaphthalene	A	50.00	48.64	1.14673	1.11559	0.8	-2.7	20	
2-Chlorophenol	A	50.00	50.41	1.49343	1.505671	0.8	0.8	20	
4-Chlorophenyl phenyl ether	A	50.00	49.98	0.5655923	0.5653557	0.4	-0.04	20	
Chrysene	A	50.00	49.08	1.056978	1.037467	0.7	-1.8	20	
Dibenz(a,h)anthracene	A	50.00	51.78	0.927476	0.9605341	0.4	3.6	20	
Dibenzofuran	A	50.00	49.38	1.556891	1.537453	0.8	-1.2	20	
Di-n-butylphthalate	A	50.00	52.18	1.422346	1.484283	0.01	4.4	20	
2,4-Dichlorophenol	A	50.00	48.32	0.241012	0.2328949	0.2	-3.4	20	
Diethylphthalate	A	50.00	52.31	1.3631	1.426205	0.01	4.6	20	
2,4-Dimethylphenol	A	50.00	46.76	0.3519307	0.3291534	0.2	-6.5	20	
Dimethyl phthalate	A	50.00	49.94	1.312894	1.31141	0.01	-0.1	20	
4,6-Dinitro-2-methylphenol	L	50.00	46.45	0.1423453	0.1416839	0.01	-7.1	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20806	Injection Date:	07/26/12
Lab Sample ID:	2G20806-CCV1	Injection Time:	10:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	45.14	0.189189	0.1822674	0.01	-9.7	20
2,4-Dinitrotoluene	A	50.00	49.78	0.4026331	0.4008246	0.2	-0.4	20
2,6-Dinitrotoluene	A	50.00	51.77	0.3082828	0.3192161	0.2	3.5	20
Di-n-octylphthalate	L	50.00	53.98	1.691535	2.032288	0.01	8.0	20
1,2-Diphenylhydrazine	A	50.00	48.90	1.206569	1.180031	0.01	-2.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.06	0.9262458	1.057065	0.01	14.1	20
Fluoranthene	A	50.00	48.03	1.116696	1.072688	0.6	-3.9	20
Fluorene	A	50.00	55.74	1.192539	1.329534	0.9	11.5	20
Hexachlorobenzene	A	50.00	48.30	0.2086611	0.2015839	0.1	-3.4	20
Hexachlorobutadiene	A	50.00	46.04	0.1401148	0.1290297	0.01	-7.9	20
Hexachlorocyclopentadiene	A	50.00	42.71	0.3377187	0.2884762	0.05	-14.6	20
Hexachloroethane	A	50.00	46.81	0.6768699	0.6336399	0.3	-6.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.13	1.101365	1.148336	0.5	4.3	20
Isophorone	A	50.00	46.01	0.8641251	0.7951696	0.4	-8.0	20
1-Methylnaphthalene	A	50.00	49.16	0.4880715	0.479929	0.01	-1.7	20
2-Methylnaphthalene	A	50.00	50.77	0.5061603	0.513964	0.4	1.5	20
2-Methylphenol	A	50.00	49.06	1.397021	1.370727	0.7	-1.9	20
3-Methylphenol/4-Methylphenol	A	50.00	47.65	1.442796	1.374935		-4.7	20
Naphthalene	L	50.00	49.74	1.050386	1.034142	0.7	-0.5	20
4-Nitroaniline	A	50.00	50.86	0.4178622	0.4250801	0.01	1.7	20
3-Nitroaniline	A	50.00	50.52	0.4255398	0.4299746	0.01	1.0	20
2-Nitroaniline	A	50.00	54.36	0.3916404	0.4257593	0.01	8.7	20
Nitrobenzene	A	50.00	48.11	0.4425367	0.4258448	0.2	-3.8	20
4-Nitrophenol	A	50.00	51.08	0.2791278	0.285158	0.01	2.2	20
2-Nitrophenol	A	50.00	49.16	0.1927768	0.1895285	0.1	-1.7	20
N-Nitrosodiphenylamine	A	50.00	49.33	0.6161259	0.607925	0.01	-1.3	20
N-Nitroso-di-n-propylamine	A	50.00	49.38	1.158591	1.144146	0.5	-1.2	20
Pentachlorophenol	L	50.00	47.22	0.1325918	0.1309834	0.05	-5.6	20
Phenanthrene	A	50.00	48.94	1.031015	1.009149	0.7	-2.1	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20806	Injection Date:	07/26/12
Lab Sample ID:	2G20806-CCV1	Injection Time:	10:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.34	2.325149	2.201566	0.8	-5.3	20
Pyrene	A	50.00	54.66	1.294953	1.415707	0.6	9.3	20
2,4,6-Trichlorophenol	A	50.00	50.93	0.3586929	0.3653527	0.2	1.9	20
2,4,5-Trichlorophenol	A	50.00	50.19	0.364007	0.3653765	0.2	0.4	20
2-Fluorobiphenyl	A	50.00	51.32	1.275261	1.308948	0.01	2.6	20
2-Fluorophenol	A	100.0	98.58	1.495125	1.47397	0.01	-1.4	20
Nitrobenzene-d5	A	50.00	45.59	0.4397155	0.4009497	0.01	-8.8	20
Phenol-d6	A	100.0	96.00	1.998108	1.918198	0.01	-4.0	20
Terphenyl-d14	A	50.00	51.89	0.7510018	0.7794127	0.01	3.8	20
2,4,6-Tribromophenol	A	100.0	102.3	0.1098978	0.1123946	0.01	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

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20806	Injection Date:	07/26/12
Lab Sample ID:	2G20806-CCV2	Injection Time:	11:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	45.38	1.981805	1.798802	0.01	-9.2	20
Atrazine	A	50.00	50.30	0.1871073	0.1882129	0.01	0.6	20
Benzaldehyde	A	50.00	45.02	1.329702	1.19725	0.01	-10.0	20
Benzidine	A	50.00	54.95	0.8176906	0.8986655	0.01	9.9	20
1,1-Biphenyl	A	50.00	50.58	1.459667	1.476766	0.01	1.2	20
Caprolactam	A	50.00	47.49	0.1167348	0.1108782	0.01	-5.0	20
3,3'-Dichlorobenzidine	A	50.00	53.13	0.384325	0.4083697	0.01	6.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20906	Injection Date:	07/25/12
Lab Sample ID:	2G20906-CCV1	Injection Time:	13:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.30	1.136987	1.212005	0.9	6.6	20
Acenaphthylene	A	50.00	52.52	1.876142	1.97074	0.9	5.0	20
Anthracene	A	50.00	50.12	1.054797	1.057304	0.7	0.2	20
Benzo(a)anthracene	A	50.00	50.05	1.127046	1.128279	0.8	0.1	20
Benzo(a)pyrene	A	50.00	50.02	1.037678	1.038108	0.7	0.04	20
Benzo(b)fluoranthene	A	50.00	54.48	1.119538	1.219927	0.7	9.0	20
Benzo(g,h,i)perylene	A	50.00	52.50	0.9327314	0.9792815	0.5	5.0	20
Benzoic acid	L	50.00	49.99	0.2119614	0.2171877	0.01	-0.02	20
Benzo(k)fluoranthene	A	50.00	49.00	1.183338	1.159559	0.7	-2.0	20
4-Bromophenyl-phenylether	A	50.00	48.54	0.1888061	0.1832962	0.1	-2.9	20
Butylbenzylphthalate	A	50.00	58.30	0.6706426	0.7819642	0.01	16.6	20
Carbazole	A	50.00	50.93	1.013887	1.032717	0.01	1.9	20
4-Chloro-3-methylphenol	A	50.00	46.25	0.2913522	0.2695085	0.2	-7.5	20
4-Chloroaniline	A	50.00	47.87	0.4367423	0.4181556	0.01	-4.3	20
Bis(2-chloroethoxy)methane	A	50.00	46.31	0.5182488	0.4800012	0.3	-7.4	20
Bis(2-chloroethyl)ether	A	50.00	46.99	1.849551	1.738313	0.7	-6.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	59.30	2.322149	2.754154	0.01	18.6	20
2-Chloronaphthalene	A	50.00	51.28	1.14673	1.176054	0.8	2.6	20
2-Chlorophenol	A	50.00	50.38	1.49343	1.504928	0.8	0.8	20
4-Chlorophenyl phenyl ether	A	50.00	51.46	0.5655923	0.5820941	0.4	2.9	20
Chrysene	A	50.00	48.44	1.056978	1.024121	0.7	-3.1	20
Dibenz(a,h)anthracene	A	50.00	50.58	0.927476	0.9382788	0.4	1.2	20
Dibenzofuran	A	50.00	50.59	1.556891	1.575242	0.8	1.2	20
Di-n-butylphthalate	A	50.00	52.97	1.422346	1.506918	0.01	5.9	20
2,4-Dichlorophenol	A	50.00	47.30	0.241012	0.2279886	0.2	-5.4	20
Diethylphthalate	A	50.00	51.38	1.3631	1.400646	0.01	2.8	20
2,4-Dimethylphenol	A	50.00	47.53	0.3519307	0.3345755	0.2	-4.9	20
Dimethyl phthalate	A	50.00	49.55	1.312894	1.301187	0.01	-0.9	20
4,6-Dinitro-2-methylphenol	L	50.00	47.09	0.1423453	0.143928	0.01	-5.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20906	Injection Date:	07/25/12
Lab Sample ID:	2G20906-CCV1	Injection Time:	13:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	45.06	0.189189	0.1818774	0.01	-9.9	20
2,4-Dinitrotoluene	A	50.00	52.67	0.4026331	0.4241193	0.2	5.3	20
2,6-Dinitrotoluene	A	50.00	51.09	0.3082828	0.3149863	0.2	2.2	20
Di-n-octylphthalate	L	50.00	52.98	1.691535	1.992506	0.01	6.0	20
1,2-Diphenylhydrazine	A	50.00	51.71	1.206569	1.247854	0.01	3.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.64	0.9262458	1.030792	0.01	11.3	20
Fluoranthene	A	50.00	49.71	1.116696	1.110177	0.6	-0.6	20
Fluorene	A	50.00	52.55	1.192539	1.253477	0.9	5.1	20
Hexachlorobenzene	A	50.00	50.12	0.2086611	0.2091687	0.1	0.2	20
Hexachlorobutadiene	A	50.00	45.12	0.1401148	0.1264345	0.01	-9.8	20
Hexachlorocyclopentadiene	A	50.00	43.76	0.3377187	0.2955853	0.05	-12.5	20
Hexachloroethane	A	50.00	48.23	0.6768699	0.6529427	0.3	-3.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	51.57	1.101365	1.135972	0.5	3.1	20
Isophorone	A	50.00	45.39	0.8641251	0.7844458	0.4	-9.2	20
1-Methylnaphthalene	A	50.00	49.06	0.4880715	0.4789015	0.01	-1.9	20
2-Methylnaphthalene	A	50.00	48.62	0.5061603	0.4921441	0.4	-2.8	20
2-Methylphenol	A	50.00	49.97	1.397021	1.396207	0.7	-0.06	20
3-Methylphenol/4-Methylphenol	A	50.00	49.47	1.442796	1.427573		-1.1	20
Naphthalene	L	50.00	49.68	1.050386	1.032951	0.7	-0.6	20
4-Nitroaniline	A	50.00	52.54	0.4178622	0.4391011	0.01	5.1	20
3-Nitroaniline	A	50.00	51.08	0.4255398	0.4347061	0.01	2.2	20
2-Nitroaniline	A	50.00	53.79	0.3916404	0.4213009	0.01	7.6	20
Nitrobenzene	A	50.00	46.23	0.4425367	0.4091506	0.2	-7.5	20
4-Nitrophenol	A	50.00	51.53	0.2791278	0.2876816	0.01	3.1	20
2-Nitrophenol	A	50.00	50.26	0.1927768	0.1937933	0.1	0.5	20
N-Nitrosodiphenylamine	A	50.00	49.86	0.6161259	0.6143727	0.01	-0.3	20
N-Nitroso-di-n-propylamine	A	50.00	51.56	1.158591	1.194786	0.5	3.1	20
Pentachlorophenol	L	50.00	49.65	0.1325918	0.1381994	0.05	-0.7	20
Phenanthrene	A	50.00	50.39	1.031015	1.03904	0.7	0.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20906	Injection Date:	07/25/12
Lab Sample ID:	2G20906-CCV1	Injection Time:	13:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	46.50	2.325149	2.162402	0.8	-7.0	20
Pyrene	A	50.00	52.05	1.294953	1.348066	0.6	4.1	20
2,4,6-Trichlorophenol	A	50.00	50.01	0.3586929	0.3587546	0.2	0.02	20
2,4,5-Trichlorophenol	A	50.00	49.74	0.364007	0.3621362	0.2	-0.5	20
2-Fluorobiphenyl	A	50.00	50.70	1.275261	1.293211	0.01	1.4	20
2-Fluorophenol	A	100.0	97.01	1.495125	1.450476	0.01	-3.0	20
Nitrobenzene-d5	A	50.00	46.67	0.4397155	0.4104292	0.01	-6.7	20
Phenol-d6	A	100.0	97.22	1.998108	1.942626	0.01	-2.8	20
Terphenyl-d14	A	50.00	51.64	0.7510018	0.7757089	0.01	3.3	20
2,4,6-Tribromophenol	A	100.0	103.8	0.1098978	0.114037	0.01	3.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20906	Injection Date:	07/25/12
Lab Sample ID:	2G20906-CCV2	Injection Time:	14:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	45.54	1.981805	1.804839	0.01	-8.9	20
Atrazine	A	50.00	51.39	0.1871073	0.1922984	0.01	2.8	20
Benzaldehyde	A	50.00	47.01	1.329702	1.250098	0.01	-6.0	20
Benzidine	A	50.00	57.17	0.8176906	0.9349206	0.01	14.3	20
1,1-Biphenyl	A	50.00	50.89	1.459667	1.485667	0.01	1.8	20
Caprolactam	A	50.00	49.49	0.1167348	0.1155438	0.01	-1.0	20
3,3'-Dichlorobenzidine	A	50.00	55.01	0.384325	0.4228586	0.01	10.0	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQCCV1E.D	Calibration Date:	05/31/12 00:00
Sequence:	2G21201	Injection Date:	07/26/12
Lab Sample ID:	2G21201-CCV1	Injection Time:	22:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	49.04	1.136987	1.115202	0.9	-1.9	20
Acenaphthylene	A	50.00	49.89	1.876142	1.872192	0.9	-0.2	20
Anthracene	A	50.00	47.58	1.054797	1.003829	0.7	-4.8	20
Benzo(a)anthracene	A	50.00	50.18	1.127046	1.131209	0.8	0.4	20
Benzo(a)pyrene	A	50.00	49.83	1.037678	1.034224	0.7	-0.3	20
Benzo(b)fluoranthene	A	50.00	50.56	1.119538	1.132125	0.7	1.1	20
Benzo(g,h,i)perylene	A	50.00	50.90	0.9327314	0.9494804	0.5	1.8	20
Benzoic acid	L	50.00	47.05	0.2119614	0.2000598	0.01	-5.9	20
Benzo(k)fluoranthene	A	50.00	52.23	1.183338	1.236122	0.7	4.5	20
4-Bromophenyl-phenylether	A	50.00	47.19	0.1888061	0.1781801	0.1	-5.6	20
Butylbenzylphthalate	A	50.00	55.04	0.6706426	0.7382754	0.01	10.1	20
Carbazole	A	50.00	48.68	1.013887	0.9870661	0.01	-2.6	20
4-Chloro-3-methylphenol	A	50.00	45.38	0.2913522	0.2644254	0.2	-9.2	20
4-Chloroaniline	A	50.00	48.62	0.4367423	0.424733	0.01	-2.7	20
Bis(2-chloroethoxy)methane	A	50.00	47.98	0.5182488	0.4972769	0.3	-4.0	20
Bis(2-chloroethyl)ether	A	50.00	47.81	1.849551	1.768682	0.7	-4.4	20
2,2'-Oxybis-1-chloropropane	A	50.00	59.50	2.322149	2.763601	0.01	19.0	20
2-Chloronaphthalene	A	50.00	48.00	1.14673	1.100979	0.8	-4.0	20
2-Chlorophenol	A	50.00	51.80	1.49343	1.547192	0.8	3.6	20
4-Chlorophenyl phenyl ether	A	50.00	50.46	0.5655923	0.5708071	0.4	0.9	20
Chrysene	A	50.00	49.86	1.056978	1.053915	0.7	-0.3	20
Dibenz(a,h)anthracene	A	50.00	50.34	0.927476	0.9337552	0.4	0.7	20
Dibenzofuran	A	50.00	48.94	1.556891	1.523804	0.8	-2.1	20
Di-n-butylphthalate	A	50.00	52.80	1.422346	1.501865	0.01	5.6	20
2,4-Dichlorophenol	A	50.00	47.30	0.241012	0.2280033	0.2	-5.4	20
Diethylphthalate	A	50.00	51.03	1.3631	1.391237	0.01	2.1	20
2,4-Dimethylphenol	A	50.00	46.36	0.3519307	0.3263003	0.2	-7.3	20
Dimethyl phthalate	A	50.00	47.55	1.312894	1.24846	0.01	-4.9	20
4,6-Dinitro-2-methylphenol	L	50.00	46.75	0.1423453	0.1427523	0.01	-6.5	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQCCV1E.D	Calibration Date:	05/31/12 00:00
Sequence:	2G21201	Injection Date:	07/26/12
Lab Sample ID:	2G21201-CCV1	Injection Time:	22:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	L	50.00	41.14	0.189189	0.1637139	0.01	-17.7	20	
2,4-Dinitrotoluene	A	50.00	48.70	0.4026331	0.3921578	0.2	-2.6	20	
2,6-Dinitrotoluene	A	50.00	48.61	0.3082828	0.2997149	0.2	-2.8	20	
Di-n-octylphthalate	L	50.00	50.77	1.691535	1.903949	0.01	1.5	20	
1,2-Diphenylhydrazine	A	50.00	49.89	1.206569	1.203909	0.01	-0.2	20	
Bis(2-ethylhexyl)phthalate	A	50.00	54.34	0.9262458	1.00663	0.01	8.7	20	
Fluoranthene	A	50.00	48.45	1.116696	1.082067	0.6	-3.1	20	
Fluorene	A	50.00	50.44	1.192539	1.203034	0.9	0.9	20	
Hexachlorobenzene	A	50.00	47.73	0.2086611	0.199199	0.1	-4.5	20	
Hexachlorobutadiene	A	50.00	45.10	0.1401148	0.1263871	0.01	-9.8	20	
Hexachlorocyclopentadiene	A	50.00	39.93	0.3377187	0.269714	0.05	-20.1	20	*
Hexachloroethane	A	50.00	47.26	0.6768699	0.6398348	0.3	-5.5	20	
Indeno(1,2,3-cd)pyrene	A	50.00	50.60	1.101365	1.114685	0.5	1.2	20	
Isophorone	A	50.00	45.50	0.8641251	0.7864415	0.4	-9.0	20	
1-Methylnaphthalene	A	50.00	48.39	0.4880715	0.47236	0.01	-3.2	20	
2-Methylnaphthalene	A	50.00	49.82	0.5061603	0.5042931	0.4	-0.4	20	
2-Methylphenol	A	50.00	48.36	1.397021	1.351167	0.7	-3.3	20	
3-Methylphenol/4-Methylphenol	A	50.00	49.50	1.442796	1.428306		-1.0	20	
Naphthalene	L	50.00	49.52	1.050386	1.029877	0.7	-1.0	20	
4-Nitroaniline	A	50.00	49.01	0.4178622	0.409565	0.01	-2.0	20	
3-Nitroaniline	A	50.00	49.87	0.4255398	0.4244277	0.01	-0.3	20	
2-Nitroaniline	A	50.00	50.16	0.3916404	0.3929171	0.01	0.3	20	
Nitrobenzene	A	50.00	47.77	0.4425367	0.4228175	0.2	-4.5	20	
4-Nitrophenol	A	50.00	49.30	0.2791278	0.2751987	0.01	-1.4	20	
2-Nitrophenol	A	50.00	49.93	0.1927768	0.1925127	0.1	-0.1	20	
N-Nitrosodiphenylamine	A	50.00	50.24	0.6161259	0.6191279	0.01	0.5	20	
N-Nitroso-di-n-propylamine	A	50.00	50.96	1.158591	1.180748	0.5	1.9	20	
Pentachlorophenol	L	50.00	46.04	0.1325918	0.1274618	0.05	-7.9	20	
Phenanthrene	A	50.00	50.14	1.031015	1.034014	0.7	0.3	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQCCV1E.D	Calibration Date:	05/31/12 00:00
Sequence:	2G21201	Injection Date:	07/26/12
Lab Sample ID:	2G21201-CCV1	Injection Time:	22:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.61	2.325149	2.214164	0.8	-4.8	20
Pyrene	A	50.00	51.41	1.294953	1.331404	0.6	2.8	20
2,4,6-Trichlorophenol	A	50.00	49.58	0.3586929	0.3557094	0.2	-0.8	20
2,4,5-Trichlorophenol	A	50.00	48.84	0.364007	0.3555338	0.2	-2.3	20
2-Fluorobiphenyl	A	50.00	50.17	1.275261	1.2797	0.01	0.3	20
2-Fluorophenol	A	100.0	100.0	1.495125	1.495252	0.01	0.008	20
Nitrobenzene-d5	A	50.00	44.65	0.4397155	0.3926822	0.01	-10.7	20
Phenol-d6	A	100.0	96.10	1.998108	1.920301	0.01	-3.9	20
Terphenyl-d14	A	50.00	51.42	0.7510018	0.7723106	0.01	2.8	20
2,4,6-Tribromophenol	A	100.0	100.8	0.1098978	0.1107449	0.01	0.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2156006
Lab File ID:	SEQCCV2E.D	Calibration Date:	05/31/12 00:00
Sequence:	2G21201	Injection Date:	07/26/12
Lab Sample ID:	2G21201-CCV2	Injection Time:	23:23

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	46.52	1.981805	1.843861	0.01	-7.0	20
Atrazine	A	50.00	50.36	0.1871073	0.1884499	0.01	0.7	20
Benzaldehyde	A	50.00	45.58	1.329702	1.212088	0.01	-8.8	20
Benzidine	A	50.00	51.55	0.8176906	0.8430093	0.01	3.1	20
1,1-Biphenyl	A	50.00	50.27	1.459667	1.467554	0.01	0.5	20
Caprolactam	A	50.00	46.80	0.1167348	0.1092734	0.01	-6.4	20
3,3'-Dichlorobenzidine	A	50.00	52.78	0.384325	0.4057287	0.01	5.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G21207	Injection Date:	07/27/12
Lab Sample ID:	2G21207-CCV1	Injection Time:	13:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	49.63	1.136987	1.128532	0.9	-0.7	20	
Acenaphthylene	A	50.00	53.28	1.876142	1.999354	0.9	6.6	20	
Anthracene	A	50.00	49.46	1.054797	1.043362	0.7	-1.1	20	
Benzo(a)anthracene	A	50.00	48.49	1.127046	1.092942	0.8	-3.0	20	
Benzo(a)pyrene	A	50.00	50.49	1.037678	1.047932	0.7	1.0	20	
Benzo(b)fluoranthene	A	50.00	50.22	1.119538	1.124473	0.7	0.4	20	
Benzo(g,h,i)perylene	A	50.00	51.52	0.9327314	0.9609989	0.5	3.0	20	
Benzoic acid	L	50.00	49.17	0.2119614	0.2124274	0.01	-1.7	20	
Benzo(k)fluoranthene	A	50.00	53.13	1.183338	1.257513	0.7	6.3	20	
4-Bromophenyl-phenylether	A	50.00	47.89	0.1888061	0.1808479	0.1	-4.2	20	
Butylbenzylphthalate	A	50.00	53.65	0.6706426	0.7196162	0.01	7.3	20	
Carbazole	A	50.00	48.83	1.013887	0.9901106	0.01	-2.3	20	
4-Chloro-3-methylphenol	A	50.00	46.59	0.2913522	0.2714627	0.2	-6.8	20	
4-Chloroaniline	A	50.00	49.29	0.4367423	0.4305569	0.01	-1.4	20	
Bis(2-chloroethoxy)methane	A	50.00	47.46	0.5182488	0.4919237	0.3	-5.1	20	
Bis(2-chloroethyl)ether	A	50.00	48.56	1.849551	1.796473	0.7	-2.9	20	
2,2'-Oxybis-1-chloropropane	A	50.00	60.06	2.322149	2.789171	0.01	20.1	20	*
2-Chloronaphthalene	A	50.00	51.54	1.14673	1.182012	0.8	3.1	20	
2-Chlorophenol	A	50.00	50.85	1.49343	1.51877	0.8	1.7	20	
4-Chlorophenyl phenyl ether	A	50.00	50.62	0.5655923	0.5726084	0.4	1.2	20	
Chrysene	A	50.00	47.79	1.056978	1.010227	0.7	-4.4	20	
Dibenz(a,h)anthracene	A	50.00	50.94	0.927476	0.9449827	0.4	1.9	20	
Dibenzofuran	A	50.00	48.25	1.556891	1.502342	0.8	-3.5	20	
Di-n-butylphthalate	A	50.00	53.45	1.422346	1.520517	0.01	6.9	20	
2,4-Dichlorophenol	A	50.00	49.89	0.241012	0.2404899	0.2	-0.2	20	
Diethylphthalate	A	50.00	50.89	1.3631	1.38746	0.01	1.8	20	
2,4-Dimethylphenol	A	50.00	48.06	0.3519307	0.338261	0.2	-3.9	20	
Dimethyl phthalate	A	50.00	52.45	1.312894	1.377132	0.01	4.9	20	
4,6-Dinitro-2-methylphenol	L	50.00	47.22	0.1423453	0.1444123	0.01	-5.6	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G21207	Injection Date:	07/27/12
Lab Sample ID:	2G21207-CCV1	Injection Time:	13:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	42.79	0.189189	0.1713655	0.01	-14.4	20
2,4-Dinitrotoluene	A	50.00	49.63	0.4026331	0.3996552	0.2	-0.7	20
2,6-Dinitrotoluene	A	50.00	50.30	0.3082828	0.3101166	0.2	0.6	20
Di-n-octylphthalate	L	50.00	51.89	1.691535	1.948946	0.01	3.8	20
1,2-Diphenylhydrazine	A	50.00	51.74	1.206569	1.248469	0.01	3.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.29	0.9262458	0.9871336	0.01	6.6	20
Fluoranthene	A	50.00	49.36	1.116696	1.102335	0.6	-1.3	20
Fluorene	A	50.00	52.80	1.192539	1.25932	0.9	5.6	20
Hexachlorobenzene	A	50.00	48.52	0.2086611	0.2025069	0.1	-2.9	20
Hexachlorobutadiene	A	50.00	45.96	0.1401148	0.1287887	0.01	-8.1	20
Hexachlorocyclopentadiene	A	50.00	41.84	0.3377187	0.2826352	0.05	-16.3	20
Hexachloroethane	A	50.00	47.84	0.6768699	0.6476	0.3	-4.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	51.07	1.101365	1.124939	0.5	2.1	20
Isophorone	A	50.00	47.37	0.8641251	0.818706	0.4	-5.3	20
1-Methylnaphthalene	A	50.00	50.18	0.4880715	0.4898239	0.01	0.4	20
2-Methylnaphthalene	A	50.00	51.86	0.5061603	0.5249443	0.4	3.7	20
2-Methylphenol	A	50.00	49.82	1.397021	1.392107	0.7	-0.4	20
3-Methylphenol/4-Methylphenol	A	50.00	49.77	1.442796	1.436046		-0.5	20
Naphthalene	L	50.00	52.95	1.050386	1.099532	0.7	5.9	20
4-Nitroaniline	A	50.00	52.34	0.4178622	0.4374663	0.01	4.7	20
3-Nitroaniline	A	50.00	50.12	0.4255398	0.4265608	0.01	0.2	20
2-Nitroaniline	A	50.00	51.58	0.3916404	0.404003	0.01	3.2	20
Nitrobenzene	A	50.00	48.30	0.4425367	0.4274548	0.2	-3.4	20
4-Nitrophenol	A	50.00	49.24	0.2791278	0.2748899	0.01	-1.5	20
2-Nitrophenol	A	50.00	52.14	0.1927768	0.2010375	0.1	4.3	20
N-Nitrosodiphenylamine	A	50.00	52.92	0.6161259	0.6521266	0.01	5.8	20
N-Nitroso-di-n-propylamine	A	50.00	50.16	1.158591	1.162401	0.5	0.3	20
Pentachlorophenol	L	50.00	46.02	0.1325918	0.1274137	0.05	-8.0	20
Phenanthrene	A	50.00	50.51	1.031015	1.041552	0.7	1.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G21207	Injection Date:	07/27/12
Lab Sample ID:	2G21207-CCV1	Injection Time:	13:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	48.00	2.325149	2.232128	0.8	-4.0	20
Pyrene	A	50.00	52.40	1.294953	1.357045	0.6	4.8	20
2,4,6-Trichlorophenol	A	50.00	48.11	0.3586929	0.3451633	0.2	-3.8	20
2,4,5-Trichlorophenol	A	50.00	49.72	0.364007	0.3620071	0.2	-0.5	20
2-Fluorobiphenyl	A	50.00	49.40	1.275261	1.260099	0.01	-1.2	20
2-Fluorophenol	A	100.0	99.81	1.495125	1.492352	0.01	-0.2	20
Nitrobenzene-d5	A	50.00	45.88	0.4397155	0.4034931	0.01	-8.2	20
Phenol-d6	A	100.0	95.83	1.998108	1.91485	0.01	-4.2	20
Terphenyl-d14	A	50.00	49.86	0.7510018	0.7488353	0.01	-0.3	20
2,4,6-Tribromophenol	A	100.0	102.9	0.1098978	0.1130559	0.01	2.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G21207	Injection Date:	07/27/12
Lab Sample ID:	2G21207-CCV2	Injection Time:	14:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	48.24	1.981805	1.911867	0.01	-3.5	20
Atrazine	A	50.00	51.10	0.1871073	0.1912258	0.01	2.2	20
Benzaldehyde	A	50.00	45.78	1.329702	1.217496	0.01	-8.4	20
Benzidine	A	50.00	54.52	0.8176906	0.8916923	0.01	9.1	20
1,1-Biphenyl	A	50.00	51.59	1.459667	1.506182	0.01	3.2	20
Caprolactam	A	50.00	47.75	0.1167348	0.1114858	0.01	-4.5	20
3,3'-Dichlorobenzidine	A	50.00	52.24	0.384325	0.4015379	0.01	4.5	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13009-BLK1 File ID: G13009B1.D

Sampled: Prepared: Analyzed: 07/25/12 14:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G13009 Sequence: 2G20906 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	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		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_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G13009-BLK1	File ID:	G13009B1.D
Sampled:		Prepared:		Analyzed:	07/25/12 14:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G13009 Sequence: 2G20906 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	42.95	85.9	50 - 110	
2-Fluorophenol	100.0	33.86	33.9	20 - 110	
Nitrobenzene-d5	50.00	36.04	72.1	40 - 110	
Phenol-d6	100.0	19.48	19.5	0 - 110	
Terphenyl-d14	50.00	48.08	96.2	50 - 135	
2,4,6-Tribromophenol	100.0	78.35	78.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G13009-BS1 | File ID: G13009L1.D

Sampled: | Prepared: | Analyzed: 07/25/12 15:21

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G13009 | Sequence: 2G20906 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.28	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.16	1.25	2.50	5.00	
98-86-2	Acetophenone	40.65	1.25	2.50	5.00	
120-12-7	Anthracene	41.32	1.25	2.50	5.00	
1912-24-9	Atrazine	42.82	1.25	2.50	5.00	
100-52-7	Benzaldehyde	39.50	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	41.76	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.00	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	44.44	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.23	1.25	2.50	5.00	
65-85-0	Benzoic acid	15.04	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	41.36	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	48.55	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	40.34	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.99	1.25	2.50	5.00	
105-60-2	Caprolactam	7.862	1.25	2.50	5.00	
86-74-8	Carbazole	48.29	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	68.80	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.80	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	38.27	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	37.50	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	47.12	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	39.88	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	68.83	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.00	1.25	2.50	5.00	
218-01-9	Chrysene	41.00	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.08	1.25	2.50	5.00	
132-64-9	Dibenzofuran	38.65	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	42.73	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	43.11	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	74.18	1.25	2.50	5.00	
84-66-2	Diethylphthalate	40.63	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	70.74	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	40.36	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	81.75	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	74.01	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	39.94	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	39.21	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	47.92	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G13009-BS1 | File ID: G13009L1.D

Sampled: | Prepared: | Analyzed: 07/25/12 15:21

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G13009 | Sequence: 2G20906 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.97	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	48.87	1.25	2.50	5.00	
206-44-0	Fluoranthene	40.11	1.25	2.50	5.00	
86-73-7	Fluorene	39.67	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	37.36	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	32.30	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	27.28	1.25	5.00	10.0	
67-72-1	Hexachloroethane	31.57	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	43.49	1.25	2.50	5.00	
78-59-1	Isophorone	32.85	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	39.45	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	36.76	1.25	2.50	5.00	
95-48-7	2-Methylphenol	55.03	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.20	1.25	2.50	5.00	
91-20-3	Naphthalene	36.59	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	44.66	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.10	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.08	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.71	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	26.70	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	79.96	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	34.71	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.31	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	85.39	5.00	10.0	20.0	
85-01-8	Phenanthrene	41.98	1.25	2.50	5.00	
108-95-2	Phenol	22.23	1.25	2.50	5.00	
129-00-0	Pyrene	44.26	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	81.78	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	86.25	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.90	89.8	50 - 110	
2-Fluorophenol	100.0	36.87	36.9	20 - 110	
Nitrobenzene-d5	50.00	38.87	77.7	40 - 110	
Phenol-d6	100.0	20.99	21.0	0 - 110	
Terphenyl-d14	50.00	46.56	93.1	50 - 135	
2,4,6-Tribromophenol	100.0	85.44	85.4	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13009-MS1 File ID: 0705109M.D

Sampled: Prepared: Analyzed: 07/26/12 14:05

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G13009 Sequence: 2G20806 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	37.37	1.18	2.36	4.72	
208-96-8	Acenaphthylene	40.59	1.18	2.36	4.72	
98-86-2	Acetophenone	44.88	1.18	2.36	4.72	
120-12-7	Anthracene	41.23	1.18	2.36	4.72	
1912-24-9	Atrazine	38.58	1.18	2.36	4.72	
100-52-7	Benzaldehyde	37.61	1.18	2.36	4.72	
92-87-5	Benzidine		11.8	47.2	94.3	U
56-55-3	Benzo(a)anthracene	41.27	1.18	2.36	4.72	
50-32-8	Benzo(a)pyrene	41.10	1.18	2.36	4.72	
205-99-2	Benzo(b)fluoranthene	41.37	1.18	2.36	4.72	
191-24-2	Benzo(g,h,i)perylene	43.12	1.18	2.36	4.72	
65-85-0	Benzoic acid	25.82	11.8	47.2	94.3	J
207-08-9	Benzo(k)fluoranthene	42.05	1.18	2.36	4.72	
92-52-4	1,1-Biphenyl	38.35	1.18	2.36	4.72	
101-55-3	4-Bromophenyl-phenylether	41.16	1.18	2.36	4.72	
85-68-7	Butylbenzylphthalate	48.87	1.18	2.36	4.72	
105-60-2	Caprolactam	8.869	1.18	2.36	4.72	
86-74-8	Carbazole	47.88	1.18	2.36	4.72	
59-50-7	4-Chloro-3-methylphenol	72.79	1.18	2.36	4.72	
106-47-8	4-Chloroaniline	36.02	1.18	2.36	4.72	
111-91-1	Bis(2-chloroethoxy)methane	48.83	1.18	2.36	4.72	
111-44-4	Bis(2-chloroethyl)ether	36.15	1.18	2.36	4.72	
108-60-1	2,2'-Oxybis-1-chloropropane	42.59	1.18	2.36	4.72	X
91-58-7	2-Chloronaphthalene	35.86	1.18	2.36	4.72	
95-57-8	2-Chlorophenol	65.34	1.18	2.36	4.72	
7005-72-3	4-Chlorophenyl phenyl ether	39.71	1.18	2.36	4.72	
218-01-9	Chrysene	41.56	1.18	2.36	4.72	
53-70-3	Dibenz(a,h)anthracene	41.90	1.18	2.36	4.72	
132-64-9	Dibenzofuran	37.39	1.18	2.36	4.72	
84-74-2	Di-n-butylphthalate	44.55	1.18	2.36	4.72	
91-94-1	3,3'-Dichlorobenzidine	24.90	1.18	2.36	4.72	
120-83-2	2,4-Dichlorophenol	80.58	1.18	2.36	4.72	
84-66-2	Diethylphthalate	41.49	1.18	2.36	4.72	
105-67-9	2,4-Dimethylphenol	76.77	4.72	9.43	18.9	
131-11-3	Dimethyl phthalate	38.11	1.18	2.36	4.72	
534-52-1	4,6-Dinitro-2-methylphenol	71.56	4.72	9.43	18.9	
51-28-5	2,4-Dinitrophenol	59.99	7.86	23.6	47.2	
121-14-2	2,4-Dinitrotoluene	38.97	1.18	2.36	4.72	
606-20-2	2,6-Dinitrotoluene	39.72	1.18	2.36	4.72	
117-84-0	Di-n-octylphthalate	45.33	1.18	2.36	4.72	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13009-MS1 File ID: 0705109M.D

Sampled: Prepared: Analyzed: 07/26/12 14:05

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G13009 Sequence: 2G20806 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.80	1.18	2.36	4.72	
117-81-7	Bis(2-ethylhexyl)phthalate	47.90	1.18	2.36	4.72	
206-44-0	Fluoranthene	40.30	1.18	2.36	4.72	
86-73-7	Fluorene	39.66	1.18	2.36	4.72	
118-74-1	Hexachlorobenzene	37.75	1.18	2.36	4.72	
87-68-3	Hexachlorobutadiene	38.04	1.18	2.36	4.72	
77-47-4	Hexachlorocyclopentadiene	24.00	1.18	4.72	9.43	
67-72-1	Hexachloroethane	32.61	1.18	2.36	4.72	
193-39-5	Indeno(1,2,3-cd)pyrene	42.42	1.18	2.36	4.72	
78-59-1	Isophorone	40.40	1.18	2.36	4.72	
90-12-0	1-Methylnaphthalene	58.42	1.18	2.36	4.72	
91-57-6	2-Methylnaphthalene	46.75	1.18	2.36	4.72	
95-48-7	2-Methylphenol	49.74	1.18	2.36	4.72	
108-39-4/106	3-Methylphenol/4-Methylphenol	48.97	1.18	2.36	4.72	
91-20-3	Naphthalene	44.39	1.18	2.36	4.72	
100-01-6	4-Nitroaniline	42.05	4.72	9.43	18.9	
99-09-2	3-Nitroaniline	35.86	4.72	9.43	18.9	
88-74-4	2-Nitroaniline	54.44	4.72	9.43	18.9	
98-95-3	Nitrobenzene	41.03	1.18	2.36	4.72	
100-02-7	4-Nitrophenol	26.02	4.72	9.43	18.9	
88-75-5	2-Nitrophenol	86.97	1.18	2.36	4.72	
86-30-6	N-Nitrosodiphenylamine	35.25	1.18	2.36	4.72	
621-64-7	N-Nitroso-di-n-propylamine	45.11	1.18	2.36	4.72	
87-86-5	Pentachlorophenol	75.40	4.72	9.43	18.9	
85-01-8	Phenanthrene	41.68	1.18	2.36	4.72	
108-95-2	Phenol	18.53	1.18	2.36	4.72	
129-00-0	Pyrene	44.43	1.18	2.36	4.72	
88-06-2	2,4,6-Trichlorophenol	71.10	1.18	2.36	4.72	
95-95-4	2,4,5-Trichlorophenol	80.39	1.18	2.36	4.72	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	41.78	88.6	50 - 110	
2-Fluorophenol	94.34	30.04	31.8	20 - 110	
Nitrobenzene-d5	47.17	41.69	88.4	40 - 110	
Phenol-d6	94.34	20.50	21.7	0 - 110	
Terphenyl-d14	47.17	46.57	98.7	50 - 135	
2,4,6-Tribromophenol	94.34	82.23	87.2	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13009-MSD1 File ID: 0705109S.D

Sampled: Prepared: Analyzed: 07/26/12 14:34

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G13009 Sequence: 2G20806 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.47	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.13	1.25	2.50	5.00	
98-86-2	Acetophenone	48.67	1.25	2.50	5.00	
120-12-7	Anthracene	43.06	1.25	2.50	5.00	
1912-24-9	Atrazine	43.91	1.25	2.50	5.00	
100-52-7	Benzaldehyde	39.89	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	43.10	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	44.16	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	46.46	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.53	1.25	2.50	5.00	
65-85-0	Benzoic acid	26.94	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	42.98	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	43.41	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	44.55	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	52.33	1.25	2.50	5.00	
105-60-2	Caprolactam	9.729	1.25	2.50	5.00	
86-74-8	Carbazole	51.34	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	77.04	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.65	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.63	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	35.70	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	44.33	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	38.89	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	67.56	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	40.86	1.25	2.50	5.00	
218-01-9	Chrysene	43.76	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.48	1.25	2.50	5.00	
132-64-9	Dibenzofuran	38.84	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	48.56	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	28.87	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	81.70	1.25	2.50	5.00	
84-66-2	Diethylphthalate	44.29	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	80.49	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	41.10	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	76.35	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	66.86	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	40.31	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	41.54	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	49.94	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G13009-MSD1 File ID: 0705109S.D

Sampled: Prepared: Analyzed: 07/26/12 14:34

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G13009 Sequence: 2G20806 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	50.91	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.71	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.58	1.25	2.50	5.00	
86-73-7	Fluorene	41.82	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	42.03	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	36.70	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	24.63	1.25	5.00	10.0	
67-72-1	Hexachloroethane	31.24	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.33	1.25	2.50	5.00	
78-59-1	Isophorone	39.99	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	59.03	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	46.61	1.25	2.50	5.00	
95-48-7	2-Methylphenol	53.18	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	53.78	1.25	2.50	5.00	
91-20-3	Naphthalene	43.19	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	45.66	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.87	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	58.42	5.00	10.0	20.0	
98-95-3	Nitrobenzene	38.15	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	28.79	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	87.62	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.87	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	47.67	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	82.74	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.10	1.25	2.50	5.00	
108-95-2	Phenol	20.76	1.25	2.50	5.00	
129-00-0	Pyrene	46.05	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	71.37	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	81.01	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.98	88.0	50 - 110	
2-Fluorophenol	100.0	33.05	33.1	20 - 110	
Nitrobenzene-d5	50.00	41.89	83.8	40 - 110	
Phenol-d6	100.0	22.35	22.4	0 - 110	
Terphenyl-d14	50.00	49.61	99.2	50 - 135	
2,4,6-Tribromophenol	100.0	87.64	87.6	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G17006-BLK1 File ID: G17006B1.D

Sampled: Prepared: Analyzed: 07/18/12 19:56

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G17006 Sequence: 2G20106 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	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	Q, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G17006-BLK1	File ID:	G17006B1.D
Sampled:		Prepared:		Analyzed:	07/18/12 19:56
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G17006 Sequence: 2G20106 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	37.24	74.5	50 - 110	
2-Fluorophenol	100.0	36.80	36.8	20 - 110	
Nitrobenzene-d5	50.00	37.16	74.3	40 - 110	
Phenol-d6	100.0	21.87	21.9	0 - 110	
Terphenyl-d14	50.00	47.68	95.4	50 - 135	
2,4,6-Tribromophenol	100.0	89.58	89.6	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G17006-BS1 | File ID: G17006L1.D

Sampled: | Prepared: | Analyzed: 07/18/12 20:25

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G17006 | Sequence: 2G20106 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.75	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.43	1.25	2.50	5.00	
98-86-2	Acetophenone	44.70	1.25	2.50	5.00	
120-12-7	Anthracene	44.05	1.25	2.50	5.00	
1912-24-9	Atrazine	47.97	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.44	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	42.92	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.72	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	43.32	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.06	1.25	2.50	5.00	
65-85-0	Benzoic acid	21.70	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	46.61	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.69	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.30	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	50.04	1.25	2.50	5.00	
105-60-2	Caprolactam	8.195	1.25	2.50	5.00	
86-74-8	Carbazole	52.46	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	86.79	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	41.25	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.98	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	37.35	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	48.03	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	36.67	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	77.58	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.69	1.25	2.50	5.00	
218-01-9	Chrysene	43.88	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.98	1.25	2.50	5.00	
132-64-9	Dibenzofuran	38.06	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.50	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	46.65	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	90.55	1.25	2.50	5.00	
84-66-2	Diethylphthalate	44.39	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	83.47	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	42.11	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	97.02	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	86.51	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	42.44	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	39.40	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	48.11	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G17006-BS1 | File ID: G17006L1.D

Sampled: | Prepared: | Analyzed: 07/18/12 20:25

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G17006 | Sequence: 2G20106 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	50.82	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	47.61	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.57	1.25	2.50	5.00	
86-73-7	Fluorene	41.18	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.58	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	30.21	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	25.25	1.25	5.00	10.0	
67-72-1	Hexachloroethane	28.48	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	43.00	1.25	2.50	5.00	
78-59-1	Isophorone	36.61	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	39.32	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.70	1.25	2.50	5.00	
95-48-7	2-Methylphenol	63.90	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	59.87	1.25	2.50	5.00	
91-20-3	Naphthalene	38.60	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	48.82	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.68	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	53.89	5.00	10.0	20.0	
98-95-3	Nitrobenzene	37.06	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	32.30	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	92.25	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.82	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.50	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	94.65	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.91	1.25	2.50	5.00	
108-95-2	Phenol	25.22	1.25	2.50	5.00	
129-00-0	Pyrene	44.84	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	88.69	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	99.91	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.86	89.7	50 - 110	
2-Fluorophenol	100.0	43.18	43.2	20 - 110	
Nitrobenzene-d5	50.00	43.39	86.8	40 - 110	
Phenol-d6	100.0	24.73	24.7	0 - 110	
Terphenyl-d14	50.00	47.00	94.0	50 - 135	
2,4,6-Tribromophenol	100.0	95.21	95.2	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G17006-BSD1 File ID: G17006L2.D

Sampled: Prepared: Analyzed: 07/18/12 20:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G17006 Sequence: 2G20106 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	37.61	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.02	1.25	2.50	5.00	
98-86-2	Acetophenone	42.61	1.25	2.50	5.00	
120-12-7	Anthracene	40.89	1.25	2.50	5.00	
1912-24-9	Atrazine	42.19	1.25	2.50	5.00	
100-52-7	Benzaldehyde	41.23	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	41.27	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.08	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	42.78	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	41.39	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	40.07	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	46.76	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	39.46	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.48	1.25	2.50	5.00	
105-60-2	Caprolactam	7.021	1.25	2.50	5.00	
86-74-8	Carbazole	47.94	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	78.06	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	30.99	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.90	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	36.57	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	48.05	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	34.14	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	75.89	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	40.38	1.25	2.50	5.00	
218-01-9	Chrysene	40.82	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	40.47	1.25	2.50	5.00	
132-64-9	Dibenzofuran	37.71	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	44.21	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	42.94	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	80.08	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.14	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	82.06	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	40.67	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	83.82	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	46.76	8.33	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	40.03	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	39.15	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.57	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G17006-BSD1 File ID: G17006L2.D

Sampled: Prepared: Analyzed: 07/18/12 20:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G17006 Sequence: 2G20106 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.66	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	46.76	1.25	2.50	5.00	
206-44-0	Fluoranthene	41.31	1.25	2.50	5.00	
86-73-7	Fluorene	40.67	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	38.01	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	26.94	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	24.41	1.25	5.00	10.0	
67-72-1	Hexachloroethane	27.51	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	41.06	1.25	2.50	5.00	
78-59-1	Isophorone	33.78	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	36.68	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	31.67	1.25	2.50	5.00	
95-48-7	2-Methylphenol	59.84	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	55.22	1.25	2.50	5.00	
91-20-3	Naphthalene	33.46	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	44.26	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.82	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	56.07	5.00	10.0	20.0	
98-95-3	Nitrobenzene	36.19	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	28.83	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	85.47	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	34.82	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.83	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	83.16	5.00	10.0	20.0	
85-01-8	Phenanthrene	41.63	1.25	2.50	5.00	
108-95-2	Phenol	23.88	1.25	2.50	5.00	
129-00-0	Pyrene	43.00	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	88.66	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	92.75	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.91	85.8	50 - 110	
2-Fluorophenol	100.0	41.43	41.4	20 - 110	
Nitrobenzene-d5	50.00	40.19	80.4	40 - 110	
Phenol-d6	100.0	23.83	23.8	0 - 110	
Terphenyl-d14	50.00	44.87	89.7	50 - 135	
2,4,6-Tribromophenol	100.0	89.82	89.8	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19916-BLK1 File ID: G19916B1.D

Sampled: Prepared: Analyzed: 07/20/12 15:26

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G19916 Sequence: 2G20509 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	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_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G19916-BLK1	File ID:	G19916B1.D
Sampled:		Prepared:		Analyzed:	07/20/12 15:26
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G19916 Sequence: 2G20509 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	43.67	87.3	50 - 110	
2-Fluorophenol	100.0	35.33	35.3	20 - 110	
Nitrobenzene-d5	50.00	41.26	82.5	40 - 110	
Phenol-d6	100.0	20.82	20.8	0 - 110	
Terphenyl-d14	50.00	52.87	106	50 - 135	
2,4,6-Tribromophenol	100.0	90.14	90.1	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G19916-BS1 | File ID: G19916L1.D

Sampled: | Prepared: | Analyzed: 07/20/12 15:54

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G19916 | Sequence: 2G20509 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	33.36	1.25	2.50	5.00	
208-96-8	Acenaphthylene	36.30	1.25	2.50	5.00	
98-86-2	Acetophenone	40.04	1.25	2.50	5.00	
120-12-7	Anthracene	40.29	1.25	2.50	5.00	
1912-24-9	Atrazine	45.14	1.25	2.50	5.00	
100-52-7	Benzaldehyde	36.17	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	41.26	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	40.51	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	39.91	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	41.73	1.25	2.50	5.00	
65-85-0	Benzoic acid	18.61	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	44.12	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.35	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	37.44	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	47.99	1.25	2.50	5.00	
105-60-2	Caprolactam	6.860	1.25	2.50	5.00	
86-74-8	Carbazole	48.99	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	67.68	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	38.25	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.60	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	32.67	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.91	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	31.15	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	57.79	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	33.47	1.25	2.50	5.00	
218-01-9	Chrysene	41.33	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	41.09	1.25	2.50	5.00	
132-64-9	Dibenzofuran	32.91	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	45.08	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	40.74	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	74.14	1.25	2.50	5.00	
84-66-2	Diethylphthalate	40.56	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	68.10	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	40.23	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	86.78	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	70.16	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	39.51	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	38.56	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	44.87	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G19916-BS1 | File ID: G19916L1.D

Sampled: | Prepared: | Analyzed: 07/20/12 15:54

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G19916 | Sequence: 2G20509 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.95	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	47.22	1.25	2.50	5.00	
206-44-0	Fluoranthene	41.36	1.25	2.50	5.00	
86-73-7	Fluorene	37.16	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	38.54	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	23.26	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	16.82	1.25	5.00	10.0	
67-72-1	Hexachloroethane	21.95	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	41.62	1.25	2.50	5.00	
78-59-1	Isophorone	31.93	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	33.47	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	29.17	1.25	2.50	5.00	
95-48-7	2-Methylphenol	49.45	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	43.83	1.25	2.50	5.00	
91-20-3	Naphthalene	31.10	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.34	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	43.29	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	49.96	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.47	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	23.02	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	75.82	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	34.66	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	38.99	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	84.79	5.00	10.0	20.0	
85-01-8	Phenanthrene	42.59	1.25	2.50	5.00	
108-95-2	Phenol	19.59	1.25	2.50	5.00	
129-00-0	Pyrene	44.84	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	78.95	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	83.46	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.85	83.7	50 - 110	
2-Fluorophenol	100.0	31.43	31.4	20 - 110	
Nitrobenzene-d5	50.00	38.93	77.9	40 - 110	
Phenol-d6	100.0	18.76	18.8	0 - 110	
Terphenyl-d14	50.00	48.02	96.0	50 - 135	
2,4,6-Tribromophenol	100.0	85.18	85.2	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19916-MS1 File ID: 0706719M.D

Sampled: Prepared: Analyzed: 07/20/12 21:00

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G19916 Sequence: 2G20509 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	25.97	1.16	2.31	4.63	
208-96-8	Acenaphthylene	28.51	1.16	2.31	4.63	
98-86-2	Acetophenone	31.56	1.16	2.31	4.63	
120-12-7	Anthracene	31.19	1.16	2.31	4.63	
1912-24-9	Atrazine	33.16	1.16	2.31	4.63	
100-52-7	Benzaldehyde	30.48	1.16	2.31	4.63	
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene	30.70	1.16	2.31	4.63	
50-32-8	Benzo(a)pyrene	29.70	1.16	2.31	4.63	
205-99-2	Benzo(b)fluoranthene	32.07	1.16	2.31	4.63	
191-24-2	Benzo(g,h,i)perylene	31.50	1.16	2.31	4.63	
65-85-0	Benzoic acid	13.26	11.6	46.3	92.6	J
207-08-9	Benzo(k)fluoranthene	30.78	1.16	2.31	4.63	
92-52-4	1,1-Biphenyl	33.90	1.16	2.31	4.63	
101-55-3	4-Bromophenyl-phenylether	30.53	1.16	2.31	4.63	
85-68-7	Butylbenzylphthalate	37.27	1.16	2.31	4.63	
105-60-2	Caprolactam	5.320	1.16	2.31	4.63	
86-74-8	Carbazole	37.29	1.16	2.31	4.63	
59-50-7	4-Chloro-3-methylphenol	48.80	1.16	2.31	4.63	
106-47-8	4-Chloroaniline	30.67	1.16	2.31	4.63	
111-91-1	Bis(2-chloroethoxy)methane	29.51	1.16	2.31	4.63	
111-44-4	Bis(2-chloroethyl)ether	26.81	1.16	2.31	4.63	
108-60-1	2,2'-Oxybis-1-chloropropane	34.92	1.16	2.31	4.63	X
91-58-7	2-Chloronaphthalene	24.86	1.16	2.31	4.63	
95-57-8	2-Chlorophenol	33.38	1.16	2.31	4.63	
7005-72-3	4-Chlorophenyl phenyl ether	26.33	1.16	2.31	4.63	
218-01-9	Chrysene	31.87	1.16	2.31	4.63	
53-70-3	Dibenz(a,h)anthracene	30.46	1.16	2.31	4.63	
132-64-9	Dibenzofuran	26.00	1.16	2.31	4.63	
84-74-2	Di-n-butylphthalate	35.24	1.16	2.31	4.63	
91-94-1	3,3'-Dichlorobenzidine	32.47	1.16	2.31	4.63	
120-83-2	2,4-Dichlorophenol	38.55	1.16	2.31	4.63	
84-66-2	Diethylphthalate	31.13	1.16	2.31	4.63	
105-67-9	2,4-Dimethylphenol	55.66	4.63	9.26	18.5	
131-11-3	Dimethyl phthalate	29.49	1.16	2.31	4.63	
534-52-1	4,6-Dinitro-2-methylphenol	25.62	4.63	9.26	18.5	
51-28-5	2,4-Dinitrophenol	19.29	7.71	23.1	46.3	J
121-14-2	2,4-Dinitrotoluene	28.54	1.16	2.31	4.63	
606-20-2	2,6-Dinitrotoluene	29.59	1.16	2.31	4.63	
117-84-0	Di-n-octylphthalate	34.06	1.16	2.31	4.63	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19916-MS1 File ID: 0706719M.D

Sampled: Prepared: Analyzed: 07/20/12 21:00

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G19916 Sequence: 2G20509 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	35.94	1.16	2.31	4.63	
117-81-7	Bis(2-ethylhexyl)phthalate	35.66	1.16	2.31	4.63	
206-44-0	Fluoranthene	30.83	1.16	2.31	4.63	
86-73-7	Fluorene	29.58	1.16	2.31	4.63	
118-74-1	Hexachlorobenzene	28.88	1.16	2.31	4.63	
87-68-3	Hexachlorobutadiene	18.40	1.16	2.31	4.63	
77-47-4	Hexachlorocyclopentadiene	11.52	1.16	4.63	9.26	
67-72-1	Hexachloroethane	18.08	1.16	2.31	4.63	
193-39-5	Indeno(1,2,3-cd)pyrene	31.64	1.16	2.31	4.63	
78-59-1	Isophorone	26.05	1.16	2.31	4.63	
90-12-0	1-Methylnaphthalene	26.26	1.16	2.31	4.63	
91-57-6	2-Methylnaphthalene	23.48	1.16	2.31	4.63	
95-48-7	2-Methylphenol	37.09	1.16	2.31	4.63	
108-39-4/106	3-Methylphenol/4-Methylphenol	32.20	1.16	2.31	4.63	
91-20-3	Naphthalene	25.18	1.16	2.31	4.63	
100-01-6	4-Nitroaniline	33.57	4.63	9.26	18.5	
99-09-2	3-Nitroaniline	31.92	4.63	9.26	18.5	
88-74-4	2-Nitroaniline	38.63	4.63	9.26	18.5	
98-95-3	Nitrobenzene	26.70	1.16	2.31	4.63	
100-02-7	4-Nitrophenol	6.755	4.63	9.26	18.5	J
88-75-5	2-Nitrophenol	38.09	1.16	2.31	4.63	
86-30-6	N-Nitrosodiphenylamine	26.32	1.16	2.31	4.63	
621-64-7	N-Nitroso-di-n-propylamine	31.78	1.16	2.31	4.63	
87-86-5	Pentachlorophenol	27.35	4.63	9.26	18.5	
85-01-8	Phenanthrene	32.01	1.16	2.31	4.63	
108-95-2	Phenol	12.48	1.16	2.31	4.63	
129-00-0	Pyrene	33.44	1.16	2.31	4.63	
88-06-2	2,4,6-Trichlorophenol	29.75	1.16	2.31	4.63	
95-95-4	2,4,5-Trichlorophenol	37.70	1.16	2.31	4.63	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	31.72	68.5	50 - 110	
2-Fluorophenol	92.59	14.24	15.4	20 - 110	
Nitrobenzene-d5	46.30	30.30	65.4	40 - 110	
Phenol-d6	92.59	11.60	12.5	0 - 110	
Terphenyl-d14	46.30	33.70	72.8	50 - 135	
2,4,6-Tribromophenol	92.59	38.05	41.1	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19916-MSD1 File ID: 0706719S.D

Sampled: Prepared: Analyzed: 07/20/12 21:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G19916 Sequence: 2G20509 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	34.27	1.16	2.31	4.63	
208-96-8	Acenaphthylene	37.97	1.16	2.31	4.63	
98-86-2	Acetophenone	43.94	1.16	2.31	4.63	
120-12-7	Anthracene	40.43	1.16	2.31	4.63	
1912-24-9	Atrazine	43.77	1.16	2.31	4.63	
100-52-7	Benzaldehyde	41.88	1.16	2.31	4.63	
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene	41.60	1.16	2.31	4.63	
50-32-8	Benzo(a)pyrene	42.72	1.16	2.31	4.63	
205-99-2	Benzo(b)fluoranthene	43.85	1.16	2.31	4.63	
191-24-2	Benzo(g,h,i)perylene	44.72	1.16	2.31	4.63	
65-85-0	Benzoic acid	16.22	11.6	46.3	92.6	J
207-08-9	Benzo(k)fluoranthene	45.48	1.16	2.31	4.63	
92-52-4	1,1-Biphenyl	45.19	1.16	2.31	4.63	
101-55-3	4-Bromophenyl-phenylether	36.82	1.16	2.31	4.63	
85-68-7	Butylbenzylphthalate	50.24	1.16	2.31	4.63	
105-60-2	Caprolactam	7.098	1.16	2.31	4.63	
86-74-8	Carbazole	48.76	1.16	2.31	4.63	
59-50-7	4-Chloro-3-methylphenol	70.09	1.16	2.31	4.63	
106-47-8	4-Chloroaniline	40.83	1.16	2.31	4.63	
111-91-1	Bis(2-chloroethoxy)methane	41.58	1.16	2.31	4.63	
111-44-4	Bis(2-chloroethyl)ether	38.49	1.16	2.31	4.63	
108-60-1	2,2'-Oxybis-1-chloropropane	46.99	1.16	2.31	4.63	X
91-58-7	2-Chloronaphthalene	31.85	1.16	2.31	4.63	
95-57-8	2-Chlorophenol	56.83	1.16	2.31	4.63	
7005-72-3	4-Chlorophenyl phenyl ether	35.00	1.16	2.31	4.63	
218-01-9	Chrysene	42.04	1.16	2.31	4.63	
53-70-3	Dibenz(a,h)anthracene	43.74	1.16	2.31	4.63	
132-64-9	Dibenzofuran	34.51	1.16	2.31	4.63	
84-74-2	Di-n-butylphthalate	48.20	1.16	2.31	4.63	
91-94-1	3,3'-Dichlorobenzidine	42.27	1.16	2.31	4.63	
120-83-2	2,4-Dichlorophenol	63.76	1.16	2.31	4.63	
84-66-2	Diethylphthalate	42.85	1.16	2.31	4.63	
105-67-9	2,4-Dimethylphenol	73.23	4.63	9.26	18.5	
131-11-3	Dimethyl phthalate	42.43	1.16	2.31	4.63	
534-52-1	4,6-Dinitro-2-methylphenol	51.04	4.63	9.26	18.5	
51-28-5	2,4-Dinitrophenol	41.02	7.71	23.1	46.3	J
121-14-2	2,4-Dinitrotoluene	41.25	1.16	2.31	4.63	
606-20-2	2,6-Dinitrotoluene	41.76	1.16	2.31	4.63	
117-84-0	Di-n-octylphthalate	48.32	1.16	2.31	4.63	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G19916-MSD1 File ID: 0706719S.D

Sampled: Prepared: Analyzed: 07/20/12 21:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G19916 Sequence: 2G20509 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.93	1.16	2.31	4.63	
117-81-7	Bis(2-ethylhexyl)phthalate	48.11	1.16	2.31	4.63	
206-44-0	Fluoranthene	41.33	1.16	2.31	4.63	
86-73-7	Fluorene	40.37	1.16	2.31	4.63	
118-74-1	Hexachlorobenzene	37.29	1.16	2.31	4.63	
87-68-3	Hexachlorobutadiene	25.23	1.16	2.31	4.63	
77-47-4	Hexachlorocyclopentadiene	16.91	1.16	4.63	9.26	
67-72-1	Hexachloroethane	25.02	1.16	2.31	4.63	
193-39-5	Indeno(1,2,3-cd)pyrene	44.45	1.16	2.31	4.63	
78-59-1	Isophorone	34.75	1.16	2.31	4.63	
90-12-0	1-Methylnaphthalene	34.82	1.16	2.31	4.63	
91-57-6	2-Methylnaphthalene	30.02	1.16	2.31	4.63	
95-48-7	2-Methylphenol	54.57	1.16	2.31	4.63	
108-39-4/106	3-Methylphenol/4-Methylphenol	47.33	1.16	2.31	4.63	
91-20-3	Naphthalene	33.25	1.16	2.31	4.63	
100-01-6	4-Nitroaniline	48.20	4.63	9.26	18.5	
99-09-2	3-Nitroaniline	45.65	4.63	9.26	18.5	
88-74-4	2-Nitroaniline	54.41	4.63	9.26	18.5	
98-95-3	Nitrobenzene	36.74	1.16	2.31	4.63	
100-02-7	4-Nitrophenol	13.40	4.63	9.26	18.5	J
88-75-5	2-Nitrophenol	65.44	1.16	2.31	4.63	
86-30-6	N-Nitrosodiphenylamine	34.74	1.16	2.31	4.63	
621-64-7	N-Nitroso-di-n-propylamine	42.90	1.16	2.31	4.63	
87-86-5	Pentachlorophenol	53.36	4.63	9.26	18.5	
85-01-8	Phenanthrene	40.97	1.16	2.31	4.63	
108-95-2	Phenol	20.17	1.16	2.31	4.63	
129-00-0	Pyrene	44.08	1.16	2.31	4.63	
88-06-2	2,4,6-Trichlorophenol	59.27	1.16	2.31	4.63	
95-95-4	2,4,5-Trichlorophenol	66.68	1.16	2.31	4.63	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	41.34	89.3	50 - 110	
2-Fluorophenol	92.59	26.17	28.3	20 - 110	
Nitrobenzene-d5	46.30	41.16	88.9	40 - 110	
Phenol-d6	92.59	18.71	20.2	0 - 110	
Terphenyl-d14	46.30	44.48	96.1	50 - 135	
2,4,6-Tribromophenol	92.59	65.54	70.8	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G24008-BLK1 File ID: G24008B1.D

Sampled: Prepared: Analyzed: 07/27/12 14:38

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G24008 Sequence: 2G21207 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	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	Q, U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	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_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G24008-BLK1	File ID:	G24008B1.D
Sampled:		Prepared:		Analyzed:	07/27/12 14:38
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G24008 Sequence: 2G21207 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	Q, 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	45.95	91.9	50 - 110	
2-Fluorophenol	100.0	41.47	41.5	20 - 110	
Nitrobenzene-d5	50.00	39.77	79.5	40 - 110	
Phenol-d6	100.0	23.51	23.5	0 - 110	
Terphenyl-d14	50.00	53.24	106	50 - 135	
2,4,6-Tribromophenol	100.0	98.90	98.9	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G24008-BS1 | File ID: G24008L1.D

Sampled: | Prepared: | Analyzed: 07/27/12 15:06

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G24008 | Sequence: 2G21207 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.47	1.25	2.50	5.00	
208-96-8	Acenaphthylene	47.75	1.25	2.50	5.00	
98-86-2	Acetophenone	49.82	1.25	2.50	5.00	
120-12-7	Anthracene	47.99	1.25	2.50	5.00	
1912-24-9	Atrazine	54.45	1.25	2.50	5.00	
100-52-7	Benzaldehyde	45.39	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	49.92	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	50.17	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	49.73	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	51.46	1.25	2.50	5.00	
65-85-0	Benzoic acid	21.91	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	54.24	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	56.82	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	48.07	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	59.97	1.25	2.50	5.00	
105-60-2	Caprolactam	8.721	1.25	2.50	5.00	
86-74-8	Carbazole	57.16	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	94.38	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	40.40	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	44.80	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.23	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	53.24	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	44.18	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	88.98	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.49	1.25	2.50	5.00	
218-01-9	Chrysene	49.80	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.38	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.61	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	52.76	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	50.93	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	99.38	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.53	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	92.25	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	48.20	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	100.2	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	86.87	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	48.91	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.70	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	53.27	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_056

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

Matrix: | Laboratory ID: 2G24008-BS1 | File ID: G24008L1.D

Sampled: | Prepared: | Analyzed: 07/27/12 15:06

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2G24008 | Sequence: 2G21207 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	56.86	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	56.63	1.25	2.50	5.00	
206-44-0	Fluoranthene	49.07	1.25	2.50	5.00	
86-73-7	Fluorene	48.54	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.17	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.95	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	27.55	1.25	5.00	10.0	
67-72-1	Hexachloroethane	34.88	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	50.98	1.25	2.50	5.00	
78-59-1	Isophorone	38.42	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	47.17	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	41.24	1.25	2.50	5.00	
95-48-7	2-Methylphenol	72.92	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	65.38	1.25	2.50	5.00	
91-20-3	Naphthalene	45.58	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	55.70	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	46.50	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	59.33	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.22	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	32.44	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	99.50	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	42.31	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.49	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	106.5	5.00	10.0	20.0	E
85-01-8	Phenanthrene	49.92	1.25	2.50	5.00	
108-95-2	Phenol	28.46	1.25	2.50	5.00	
129-00-0	Pyrene	55.86	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	99.72	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	103.0	1.25	2.50	5.00	E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	49.48	99.0	50 - 110	
2-Fluorophenol	100.0	47.73	47.7	20 - 110	
Nitrobenzene-d5	50.00	45.59	91.2	40 - 110	
Phenol-d6	100.0	26.49	26.5	0 - 110	
Terphenyl-d14	50.00	54.36	109	50 - 135	
2,4,6-Tribromophenol	100.0	104.8	105	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G24008-MS3 File ID: 0706719M.D

Sampled: Prepared: Analyzed: 07/27/12 16:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G24008 Sequence: 2G21207 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.19	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.24	1.25	2.50	5.00	
98-86-2	Acetophenone	39.49	1.25	2.50	5.00	
120-12-7	Anthracene	41.43	1.25	2.50	5.00	
1912-24-9	Atrazine	44.41	1.25	2.50	5.00	
100-52-7	Benzaldehyde	38.69	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	41.87	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.13	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	40.49	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.96	1.25	2.50	5.00	
65-85-0	Benzoic acid	14.52	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	46.37	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	42.29	1.25	2.50	5.00	Q
101-55-3	4-Bromophenyl-phenylether	40.10	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	47.16	1.25	2.50	5.00	Q
105-60-2	Caprolactam	11.45	1.25	2.50	5.00	
86-74-8	Carbazole	49.04	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	73.83	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	33.90	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.43	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	34.75	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	43.23	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	33.65	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	37.51	1.25	2.50	5.00	
218-01-9	Chrysene	41.85	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.23	1.25	2.50	5.00	
132-64-9	Dibenzofuran	35.50	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.54	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	43.25	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	56.06	1.25	2.50	5.00	
84-66-2	Diethylphthalate	39.52	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.27	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	38.78	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	33.23	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	22.63	8.33	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	38.11	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	35.51	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	45.25	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G24008-MS3 File ID: 0706719M.D

Sampled: Prepared: Analyzed: 07/27/12 16:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G24008 Sequence: 2G21207 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.54	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	47.51	1.25	2.50	5.00	
206-44-0	Fluoranthene	41.32	1.25	2.50	5.00	
86-73-7	Fluorene	38.41	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	38.21	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.90	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	21.27	1.25	5.00	10.0	
67-72-1	Hexachloroethane	30.45	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.10	1.25	2.50	5.00	
78-59-1	Isophorone	29.49	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	36.48	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	32.32	1.25	2.50	5.00	
95-48-7	2-Methylphenol	69.46	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	64.80	1.25	2.50	5.00	
91-20-3	Naphthalene	35.29	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	44.42	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.95	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.61	5.00	10.0	20.0	Q
98-95-3	Nitrobenzene	34.15	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	15.91	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	54.81	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	34.13	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	38.41	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	36.73	5.00	10.0	20.0	
85-01-8	Phenanthrene	42.05	1.25	2.50	5.00	
108-95-2	Phenol	31.01	1.25	2.50	5.00	
129-00-0	Pyrene	45.13	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	39.84	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	52.96	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.61	79.2	50 - 110	
2-Fluorophenol	100.0	32.87	32.9	20 - 110	
Nitrobenzene-d5	50.00	35.60	71.2	40 - 110	
Phenol-d6	100.0	29.70	29.7	0 - 110	
Terphenyl-d14	50.00	45.77	91.5	50 - 135	
2,4,6-Tribromophenol	100.0	51.92	51.9	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G24008-MSD3 File ID: 0706719S.D

Sampled: Prepared: Analyzed: 07/27/12 16:59

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G24008 Sequence: 2G21207 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.25	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.69	1.25	2.50	5.00	
98-86-2	Acetophenone	43.95	1.25	2.50	5.00	
120-12-7	Anthracene	43.35	1.25	2.50	5.00	
1912-24-9	Atrazine	47.80	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.38	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	45.55	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	46.51	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	46.33	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	49.08	1.25	2.50	5.00	
65-85-0	Benzoic acid	20.95	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	48.47	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	47.67	1.25	2.50	5.00	Q
101-55-3	4-Bromophenyl-phenylether	43.85	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	53.73	1.25	2.50	5.00	Q
105-60-2	Caprolactam	15.49	1.25	2.50	5.00	
86-74-8	Carbazole	50.54	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	85.39	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	39.64	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.68	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	36.96	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	45.86	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	35.85	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	74.51	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.09	1.25	2.50	5.00	
218-01-9	Chrysene	47.14	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.09	1.25	2.50	5.00	
132-64-9	Dibenzofuran	38.77	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.02	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	45.38	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	75.91	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.54	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	84.57	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	43.53	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	70.57	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	56.93	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	41.96	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	40.02	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	50.84	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Matrix: Laboratory ID: 2G24008-MSD3 File ID: 0706719S.D

Sampled: Prepared: Analyzed: 07/27/12 16:59

Solids: Preparation: EXT_3510 Dilution:

Batch: 2G24008 Sequence: 2G21207 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	50.36	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	53.30	1.25	2.50	5.00	
206-44-0	Fluoranthene	46.57	1.25	2.50	5.00	
86-73-7	Fluorene	43.13	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.34	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	29.88	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	22.32	1.25	5.00	10.0	
67-72-1	Hexachloroethane	29.95	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	48.48	1.25	2.50	5.00	
78-59-1	Isophorone	33.16	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.37	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.22	1.25	2.50	5.00	
95-48-7	2-Methylphenol	77.49	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	75.45	1.25	2.50	5.00	
91-20-3	Naphthalene	36.92	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	50.27	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	45.36	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	55.73	5.00	10.0	20.0	Q
98-95-3	Nitrobenzene	35.55	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	39.63	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	77.07	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.10	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.22	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	73.15	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.17	1.25	2.50	5.00	
108-95-2	Phenol	38.13	1.25	2.50	5.00	
129-00-0	Pyrene	50.49	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	72.23	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	84.56	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.51	89.0	50 - 110	
2-Fluorophenol	100.0	50.59	50.6	20 - 110	
Nitrobenzene-d5	50.00	38.87	77.7	40 - 110	
Phenol-d6	100.0	37.08	37.1	0 - 110	
Terphenyl-d14	50.00	50.38	101	50 - 135	
2,4,6-Tribromophenol	100.0	81.53	81.5	40 - 125	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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
GW0668	07/10/12 12:54	07/11/12 08:25	07/13/12 14:00	3.00	7.00	07/25/12 15:50	12.08	40.00	
GW0669	07/10/12 12:54	07/11/12 08:25	07/13/12 14:00	3.00	7.00	07/25/12 16:18	12.10	40.00	
GW0670	07/10/12 10:54	07/11/12 08:25	07/13/12 14:00	3.09	7.00	07/25/12 16:47	12.12	40.00	
GW0714	07/09/12 16:41	07/11/12 08:25	07/13/12 14:00	3.85	7.00	07/25/12 17:53	12.16	40.00	
GW0715	07/09/12 14:21	07/11/12 08:25	07/13/12 14:00	3.94	7.00	07/25/12 18:21	12.18	40.00	
GW0716	07/09/12 11:55	07/11/12 08:25	07/13/12 14:00	4.05	7.00	07/26/12 15:02	13.04	40.00	
GW0720	07/09/12 16:53	07/11/12 08:25	07/13/12 14:00	3.84	7.00	07/26/12 15:30	13.06	40.00	
GW0721	07/09/12 14:41	07/11/12 08:25	07/13/12 14:00	3.93	7.00	07/26/12 15:59	13.08	40.00	
GW0722	07/09/12 12:23	07/11/12 08:25	07/13/12 14:00	4.03	7.00	07/26/12 16:27	13.10	40.00	
GW0729	07/10/12 11:17	07/11/12 08:25	07/13/12 14:00	3.07	7.00	07/26/12 16:56	13.12	40.00	
GW0630	07/11/12 10:08	07/13/12 08:30	07/18/12 11:50	7.03	7.00	07/26/12 20:14	8.35	40.00	
GW0635	07/11/12 12:26	07/13/12 08:30	07/18/12 11:50	6.93	7.00	07/26/12 20:41	8.37	40.00	
GW0644	07/12/12 10:58	07/13/12 08:30	07/18/12 11:50	5.99	7.00	07/26/12 21:09	8.39	40.00	
GW0645	07/12/12 13:37	07/13/12 08:30	07/18/12 11:50	5.88	7.00	07/26/12 21:37	8.41	40.00	
GW0646	07/12/12 13:31	07/13/12 08:30	07/18/12 11:50	5.89	7.00	07/26/12 22:04	8.43	40.00	
GW0647	07/12/12 16:08	07/13/12 08:30	07/19/12 11:51	6.78	7.00	07/20/12 19:37	1.32	40.00	
GW0651	07/11/12 15:32	07/13/12 08:30	07/18/12 11:50	6.80	7.00	07/26/12 23:51	8.50	40.00	
GW0652	07/10/12 16:12	07/13/12 08:30	07/17/12 15:16	6.92	7.00	07/27/12 00:19	9.38	40.00	
GW0658	07/12/12 16:05	07/13/12 08:30	07/19/12 11:51	6.78	7.00	07/20/12 20:05	1.34	40.00	
GW0658	07/12/12 16:05	07/13/12 08:30	07/24/12 07:46	11.61	7.00	07/27/12 15:34	3.33	40.00	*
GW0659	07/12/12 13:04	07/13/12 08:30	07/19/12 11:51	6.91	7.00	07/20/12 20:32	1.36	40.00	
GW0659	07/12/12 13:04	07/13/12 08:30	07/24/12 07:46	11.74	7.00	07/27/12 16:03	3.35	40.00	*
GW0660	07/12/12 10:32	07/13/12 08:30	07/19/12 11:51	7.01	7.00	07/20/12 21:55	1.42	40.00	
GW0701	07/11/12 15:33	07/13/12 08:30	07/18/12 11:50	6.80	7.00	07/27/12 00:47	8.54	40.00	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

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
GW0702	07/11/12 15:33	07/13/12 08:30	07/18/12 11:50	6.80	7.00	07/27/12 01:15	8.56	40.00	
GW0727	07/11/12 09:46	07/13/12 08:30	07/18/12 11:50	7.04	7.00	07/27/12 01:43	8.58	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20008	Instrument:	GL-GCFID2
Calibration:	2200003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20008-CAL6	001F0101.D	07/16/12 14:47
Cal Standard	2G20008-CAL5	002F0201.D	07/16/12 15:55
Cal Standard	2G20008-CAL4	003F0301.D	07/16/12 16:29
Cal Standard	2G20008-CAL3	004F0401.D	07/16/12 17:03
Cal Standard	2G20008-CAL2	005F0501.D	07/16/12 17:37
Cal Standard	2G20008-CAL1	006F0601.D	07/16/12 18:11
Initial Cal Check	2G20008-ICV1	007F0701.D	07/16/12 18:44

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20011	Instrument:	GL-GCFID2
Calibration:	2200003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20011-CCV1	003F0301.D	07/17/12 15:48
Blank	2G13003-BLK1	016F1601.D	07/17/12 23:06
LCS	2G13003-BS1	017F1701.D	07/17/12 23:39
GW0668	1207051-01	018F1801.D	07/18/12 00:13
GW0669	1207051-03	019F1901.D	07/18/12 00:46
GW0670	1207051-05	020F2001.D	07/18/12 01:20
GW0714	1207051-07	021F2101.D	07/18/12 01:54
Calibration Check	2G20011-CCV2	022F2201.D	07/18/12 02:27
GW0715	2G13003-MS1	024F2401.D	07/18/12 03:34
GW0715	2G13003-MSD1	025F2501.D	07/18/12 04:07
GW0716	1207051-11	026F2601.D	07/18/12 04:40
GW0720	1207051-13	027F2701.D	07/18/12 05:14
GW0721	1207051-15	028F2801.D	07/18/12 05:47
GW0722	1207051-17	029F2901.D	07/18/12 06:20
GW0729	1207051-19	030F3001.D	07/18/12 06:53
Blank	2G17016-BLK1	033F3301.D	07/18/12 08:33
LCS	2G17016-BS1	034F3401.D	07/18/12 09:06
LCS Dup	2G17016-BSD1	035F3501.D	07/18/12 09:40
GW0652	1207067-15	036F3601.D	07/18/12 10:14
Calibration Check	2G20011-CCV3	040F4001.D	07/18/12 12:30

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20112	Instrument:	GL-GCFID2
Calibration:	2200003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20112-CCV1	003F0301.D	07/19/12 11:58
Calibration Check	2G20112-CCV2	007F0701.D	07/19/12 14:15
Blank	2G18808-BLK1	008F0801.D	07/19/12 14:49
LCS	2G18808-BS1	009F0901.D	07/19/12 15:23
GW0630	1207067-01	010F1001.D	07/19/12 15:57
GW0635	1207067-03	011F1101.D	07/19/12 16:32
GW0644	1207067-05	012F1201.D	07/19/12 17:06
GW0645	1207067-07	013F1301.D	07/19/12 17:40
GW0646	1207067-09	014F1401.D	07/19/12 18:13
GW0647	1207067-11	015F1501.D	07/19/12 18:47
GW0651	1207067-13	016F1601.D	07/19/12 19:20
GW0658	1207067-17	017F1701.D	07/19/12 19:54
GW0659	1207067-19	018F1801.D	07/19/12 20:27
GW0659	2G18808-MS1	019F1901.D	07/19/12 21:00
GW0659	2G18808-MSD1	020F2001.D	07/19/12 21:34
GW0660	1207067-21	021F2101.D	07/19/12 22:07
Calibration Check	2G20112-CCV3	022F2201.D	07/19/12 22:40
GW0701	1207067-23	023F2301.D	07/19/12 23:13
GW0702	1207067-25	024F2401.D	07/19/12 23:47
GW0727	1207067-27	025F2501.D	07/20/12 00:20
Calibration Check	2G20112-CCV4	035F3501.D	07/20/12 05:52

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20909	Instrument:	GL-GCFID2
Calibration:	2209001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20909-CAL6	002F0201.D	07/26/12 14:28
Cal Standard	2G20909-CAL5	003F0301.D	07/26/12 15:02
Cal Standard	2G20909-CAL4	004F0401.D	07/26/12 15:36
Cal Standard	2G20909-CAL3	005F0501.D	07/26/12 16:10
Cal Standard	2G20909-CAL2	006F0601.D	07/26/12 16:44
Cal Standard	2G20909-CAL1	007F0701.D	07/26/12 17:18
Initial Cal Check	2G20909-ICV1	008F0801.D	07/26/12 17:52

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20910	Instrument:	GL-GCFID2
Calibration:	2209001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20910-CCV1	009F0901.D	07/26/12 18:26
GW0715	1207051-09RE1	010F1001.D	07/26/12 18:59
Calibration Check	2G20910-CCV2	011F1101.D	07/26/12 19:33

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01	File ID:	018F1801.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 00:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.141	0.100	0.200	0.400	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01778	88.9	30 - 140	

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	019F1901.D
Sampled:	07/10/12 12:54	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 00:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.154	0.0943	0.189	0.377	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01731	91.7	30 - 140	

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	020F2001.D
Sampled:	07/10/12 10:54	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 01:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01589	85.0	30 - 140	

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	021F2101.D
Sampled:	07/09/12 16:41	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 01:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	3.73	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01781	94.4	30 - 140	

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09RE1	File ID:	010F1001.D
Sampled:	07/09/12 14:21	Prepared:	07/13/12 11:16	Analyzed:	07/26/12 18:59
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2G13003 Sequence: 2G20910 Calibration: 2209001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	4.98	0.490	0.980	1.96	D, N

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02459	125	30 - 140	

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	026F2601.D
Sampled:	07/09/12 11:55	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 04:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.506	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01952	103	30 - 140	

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	027F2701.D
Sampled:	07/09/12 16:53	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 05:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01805	93.8	30 - 140	

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	028F2801.D
Sampled:	07/09/12 14:41	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 05:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 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	0.01853	92.6	30 - 140	

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	029F2901.D
Sampled:	07/09/12 12:23	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 06:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01828	95.0	30 - 140	

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	030F3001.D
Sampled:	07/10/12 11:17	Prepared:	07/13/12 11:16	Analyzed:	07/18/12 06:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01768	93.7	30 - 140	

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	010F1001.D
Sampled:	07/11/12 10:08	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 15:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01798	97.1	30 - 140	

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	011F1101.D
Sampled:	07/11/12 12:26	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 16:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02124	110	30 - 140	

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05	File ID:	012F1201.D
Sampled:	07/12/12 10:58	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 17:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.271	0.0926	0.185	0.370	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01701	91.9	30 - 140	

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	013F1301.D
Sampled:	07/12/12 13:37	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 17:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.966	0.0962	0.192	0.385	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02093	109	30 - 140	

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	014F1401.D
Sampled:	07/12/12 13:31	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 18:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.903	0.0962	0.192	0.385	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01722	89.5	30 - 140	

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	015F1501.D
Sampled:	07/12/12 16:08	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 18:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.02131	115	30 - 140	

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	016F1601.D
Sampled:	07/11/12 15:32	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 19:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 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	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02082	106	30 - 140	

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	036F3601.D
Sampled:	07/10/12 16:12	Prepared:	07/17/12 12:50	Analyzed:	07/18/12 10:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G17016 Sequence: 2G20011 Calibration: 2200003 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	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02116	108	30 - 140	

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	017F1701.D
Sampled:	07/12/12 16:05	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 19:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02212	115	30 - 140	

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	018F1801.D
Sampled:	07/12/12 13:04	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 20:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01681	90.8	30 - 140	

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21	File ID:	021F2101.D
Sampled:	07/12/12 10:32	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 22:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01323	68.8	30 - 140	

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23	File ID:	023F2301.D
Sampled:	07/11/12 15:33	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 23:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 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	0.01795	89.8	30 - 140	

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25	File ID:	024F2401.D
Sampled:	07/11/12 15:33	Prepared:	07/18/12 09:29	Analyzed:	07/19/12 23:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 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	0.01964	98.2	30 - 140	

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27	File ID:	025F2501.D
Sampled:	07/11/12 09:46	Prepared:	07/18/12 09:29	Analyzed:	07/20/12 00:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	3.88	0.111	0.222	0.444	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.02517	113	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13003	Laboratory ID:	2G13003-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	0.9284	92.8	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17016	Laboratory ID:	2G17016-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	1.036	104	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	1.070	107	3.21	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G18808	Laboratory ID:	2G18808-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	0.6636	66.4	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13003

% Solids:

Source Sample Name: **1207051-09RE1**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	4.978	7.560	258	*	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)	0.9346	7.902	313	4.42	*	50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G18808

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9804	ND	0.9414	96.0		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	0.7751	80.6	19.4		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G13003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/13/12 11:16	1,000.00	1.00
GW0669	1207051-03	07/13/12 11:16	1,060.00	1.00
GW0670	1207051-05	07/13/12 11:16	1,070.00	1.00
GW0714	1207051-07	07/13/12 11:16	1,060.00	1.00
GW0715	1207051-09RE1	07/13/12 11:16	1,020.00	1.00
GW0716	1207051-11	07/13/12 11:16	1,060.00	1.00
GW0720	1207051-13	07/13/12 11:16	1,040.00	1.00
GW0721	1207051-15	07/13/12 11:16	1,000.00	1.00
GW0722	1207051-17	07/13/12 11:16	1,040.00	1.00
GW0729	1207051-19	07/13/12 11:16	1,060.00	1.00
Blank	2G13003-BLK1	07/13/12 11:16	1,000.00	1.00
LCS	2G13003-BS1	07/13/12 11:16	1,000.00	1.00
GW0715	2G13003-MS1	07/13/12 11:16	1,000.00	1.00
GW0715	2G13003-MSD1	07/13/12 11:16	1,070.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17016 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0652	1207067-15	07/17/12 12:50	1,020.00	1.00
Blank	2G17016-BLK1	07/17/12 12:50	1,000.00	1.00
LCS	2G17016-BS1	07/17/12 12:50	1,000.00	1.00
LCS Dup	2G17016-BSD1	07/17/12 12:50	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G18808 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/18/12 09:29	1,080.00	1.00
GW0635	1207067-03	07/18/12 09:29	1,040.00	1.00
GW0644	1207067-05	07/18/12 09:29	1,080.00	1.00
GW0645	1207067-07	07/18/12 09:29	1,040.00	1.00
GW0646	1207067-09	07/18/12 09:29	1,040.00	1.00
GW0647	1207067-11	07/18/12 09:29	1,080.00	1.00
GW0651	1207067-13	07/18/12 09:29	1,020.00	1.00
GW0658	1207067-17	07/18/12 09:29	1,040.00	1.00
GW0659	1207067-19	07/18/12 09:29	1,080.00	1.00
GW0660	1207067-21	07/18/12 09:29	1,040.00	1.00
GW0701	1207067-23	07/18/12 09:29	1,000.00	1.00
GW0702	1207067-25	07/18/12 09:29	1,000.00	1.00
GW0727	1207067-27	07/18/12 09:29	900.00	1.00
Blank	2G18808-BLK1	07/18/12 09:29	1,000.00	1.00
LCS	2G18808-BS1	07/18/12 09:29	1,000.00	1.00
GW0659	2G18808-MS1	07/18/12 09:29	1,020.00	1.00
GW0659	2G18808-MSD1	07/18/12 09:29	1,040.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20008	Instrument:	GL-GCFID2
Calibration:	2200003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12F0241	DRO ICAL6@100ppm	2G20008-CAL6	001F0101.D	07/16/12 14:47
12F0242	DRO ICAL5@250ppm	2G20008-CAL5	002F0201.D	07/16/12 15:55
12F0243	DRO ICAL4@500ppm	2G20008-CAL4	003F0301.D	07/16/12 16:29
12F0211	DRO ICAL3@1000ppm	2G20008-CAL3	004F0401.D	07/16/12 17:03
12F0244	DRO ICAL2@2500ppm	2G20008-CAL2	005F0501.D	07/16/12 17:37
12F0245	DRO ICAL1@5000ppm	2G20008-CAL1	006F0601.D	07/16/12 18:11

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20909	Instrument:	GL-GCFID2
Calibration:	2209001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12F0241	DRO ICAL6@100ppm	2G20909-CAL6	002F0201.D	07/26/12 14:28
12F0242	DRO ICAL5@250ppm	2G20909-CAL5	003F0301.D	07/26/12 15:02
12F0243	DRO ICAL4@500ppm	2G20909-CAL4	004F0401.D	07/26/12 15:36
12F0211	DRO ICAL3@1000ppm	2G20909-CAL3	005F0501.D	07/26/12 16:10
12F0244	DRO ICAL2@2500ppm	2G20909-CAL2	006F0601.D	07/26/12 16:44
12F0245	DRO ICAL1@5000ppm	2G20909-CAL1	007F0701.D	07/26/12 17:18

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2200003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/16/12_14:47	7/16/12_18:11

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	1451.691	2500	1225.251	1000	1167.873	500	1066.298	250	932.912	100	898.12
o-Terphenyl	250	1466.628	125	1485.512	50	1420.68	25	1410.12	12.5	1265.68	5	1222.6

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2200003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/16/12 14:47	7/16/12 18:11

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1123.691	18.2564	6	0			20	
o-Terphenyl	1378.537	7.881953	11.18283	0.2933195			20	

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2209001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/26/12_14:28	7/26/12_17:18

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	1418.22	2500	1647.188	1000	1052.137	500	947.768	250	915.988	100	705.85
o-Terphenyl	250	1459.816	125	1516.192	50	1366.24	25	1364.2	12.5	1457.52	5	1393.2

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2209001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/26/12 14:28	7/26/12 17:18

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1114.525	31.44433	5.993	1.405791E-02		0.993583	0.99	
o-Terphenyl	1426.195	4.292346	11.2165	0.3765356			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	007F0701.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20008	Injection Date:	07/16/12
Lab Sample ID:	2G20008-ICV1	Injection Time:	18:44

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1037	1123.691	1165.272		3.7	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2209001
Lab File ID:	008F0801.D	Calibration Date:	07/27/12 13:47
Sequence:	2G20909	Injection Date:	07/26/12
Lab Sample ID:	2G20909-ICV1	Injection Time:	17:52

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	833.6	1114.525	1222.119		-16.6	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	003F0301.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20011	Injection Date:	07/17/12
Lab Sample ID:	2G20011-CCV1	Injection Time:	15:48

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1103	1123.691	1239.256		10.3	20
o-Terphenyl	A	50.00	55.44	1378.537	1528.6		10.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	022F2201.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20011	Injection Date:	07/18/12
Lab Sample ID:	2G20011-CCV2	Injection Time:	02:27

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1138	1123.691	1278.527		13.8	20
o-Terphenyl	A	50.00	54.91	1378.537	1513.84		9.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	040F4001.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20011	Injection Date:	07/18/12
Lab Sample ID:	2G20011-CCV3	Injection Time:	12:30

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1043	1123.691	1172.052		4.3	20
o-Terphenyl	A	50.00	55.62	1378.537	1533.62		11.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	003F0301.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20112	Injection Date:	07/19/12
Lab Sample ID:	2G20112-CCV1	Injection Time:	11:58

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1181	1123.691	1326.697		18.1	20
o-Terphenyl	A	50.00	58.80	1378.537	1621.16		17.6	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	007F0701.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20112	Injection Date:	07/19/12
Lab Sample ID:	2G20112-CCV2	Injection Time:	14:15

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1136	1123.691	1276.195		13.6	20
o-Terphenyl	A	50.00	57.97	1378.537	1598.36		15.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	022F2201.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20112	Injection Date:	07/19/12
Lab Sample ID:	2G20112-CCV3	Injection Time:	22:40

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1109	1123.691	1245.918		10.9	20
o-Terphenyl	A	50.00	55.74	1378.537	1536.76		11.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2200003
Lab File ID:	035F3501.D	Calibration Date:	07/16/12 13:52
Sequence:	2G20112	Injection Date:	07/20/12
Lab Sample ID:	2G20112-CCV4	Injection Time:	05:52

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1062	1123.691	1193.389		6.2	20
o-Terphenyl	A	50.00	54.54	1378.537	1503.58		9.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2209001
Lab File ID:	009F0901.D	Calibration Date:	07/27/12 13:47
Sequence:	2G20910	Injection Date:	07/26/12
Lab Sample ID:	2G20910-CCV1	Injection Time:	18:26

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	867.9	1114.525	1285.197		-13.2	20
o-Terphenyl	A	50.00	55.93	1426.195	1595.28		11.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2209001
Lab File ID:	011F1101.D	Calibration Date:	07/27/12 13:47
Sequence:	2G20910	Injection Date:	07/26/12
Lab Sample ID:	2G20910-CCV2	Injection Time:	19:33

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	864.0	1114.525	1278.1		-13.6	20
o-Terphenyl	A	50.00	56.63	1426.195	1615.28		13.3	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20011	Instrument:	GL-GCFID2
		Calibration:	2200003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20011-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 07/17/12 15:48		
o-Terphenyl	50.00	111	80 - 120	11.186	11.186	0.0000	+/-0.050	
Blank (2G13003-BLK1) mg/L				Lab File ID: 016F1601.D		Analyzed: 07/17/12 23:06		
o-Terphenyl	0.02000	106	30 - 140	11.136	11.186	-0.0500	+/-0.050	
LCS (2G13003-BS1) mg/L				Lab File ID: 017F1701.D		Analyzed: 07/17/12 23:39		
o-Terphenyl	0.02000	105	30 - 140	11.126	11.186	-0.0600	+/-0.050	*
GW0668 (1207051-01) mg/L				Lab File ID: 018F1801.D		Analyzed: 07/18/12 00:13		
o-Terphenyl	0.02000	88.9	30 - 140	11.12	11.186	-0.0660	+/-0.050	*
GW0669 (1207051-03) mg/L				Lab File ID: 019F1901.D		Analyzed: 07/18/12 00:46		
o-Terphenyl	0.01887	91.7	30 - 140	11.126	11.186	-0.0600	+/-0.050	*
GW0670 (1207051-05) mg/L				Lab File ID: 020F2001.D		Analyzed: 07/18/12 01:20		
o-Terphenyl	0.01869	85.0	30 - 140	11.13	11.186	-0.0560	+/-0.050	*
GW0714 (1207051-07) mg/L				Lab File ID: 021F2101.D		Analyzed: 07/18/12 01:54		
o-Terphenyl	0.01887	94.4	30 - 140	11.13	11.186	-0.0560	+/-0.050	*
Calibration Check (2G20011-CCV2) mg/L				Lab File ID: 022F2201.D		Analyzed: 07/18/12 02:27		
o-Terphenyl	50.00	110	80 - 120	11.12	11.186	-0.0660	+/-0.050	*
Matrix Spike (2G13003-MS1) mg/L				Lab File ID: 024F2401.D		Analyzed: 07/18/12 03:34		
o-Terphenyl	0.02000	96.7	30 - 140	11.126	11.186	-0.0600	+/-0.050	*
Matrix Spike Dup (2G13003-MSD1) mg/L				Lab File ID: 025F2501.D		Analyzed: 07/18/12 04:07		
o-Terphenyl	0.01869	90.7	30 - 140	11.126	11.186	-0.0600	+/-0.050	*
GW0716 (1207051-11) mg/L				Lab File ID: 026F2601.D		Analyzed: 07/18/12 04:40		
o-Terphenyl	0.01887	103	30 - 140	11.136	11.186	-0.0500	+/-0.050	
GW0720 (1207051-13) mg/L				Lab File ID: 027F2701.D		Analyzed: 07/18/12 05:14		
o-Terphenyl	0.01923	93.8	30 - 140	11.146	11.186	-0.0400	+/-0.050	
GW0721 (1207051-15) mg/L				Lab File ID: 028F2801.D		Analyzed: 07/18/12 05:47		
o-Terphenyl	0.02000	92.6	30 - 140	11.136	11.186	-0.0500	+/-0.050	
GW0722 (1207051-17) mg/L				Lab File ID: 029F2901.D		Analyzed: 07/18/12 06:20		
o-Terphenyl	0.01923	95.0	30 - 140	11.14	11.186	-0.0460	+/-0.050	
GW0729 (1207051-19) mg/L				Lab File ID: 030F3001.D		Analyzed: 07/18/12 06:53		
o-Terphenyl	0.01887	93.7	30 - 140	11.153	11.186	-0.0330	+/-0.050	
Blank (2G17016-BLK1) mg/L				Lab File ID: 033F3301.D		Analyzed: 07/18/12 08:33		
o-Terphenyl	0.02000	113	30 - 140	11.17	11.186	-0.0160	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20011	Instrument:	GL-GCFID2
		Calibration:	2200003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS (2G17016-BS1) mg/L				Lab File ID: 034F3401.D		Analyzed: 07/18/12 09:06		
o-Terphenyl	0.02000	117	30 - 140	11.176	11.186	-0.0100	+/-0.050	
LCS Dup (2G17016-BSD1) mg/L				Lab File ID: 035F3501.D		Analyzed: 07/18/12 09:40		
o-Terphenyl	0.02000	109	30 - 140	11.186	11.186	0.0000	+/-0.050	
GW0652 (1207067-15) mg/L				Lab File ID: 036F3601.D		Analyzed: 07/18/12 10:14		
o-Terphenyl	0.01961	108	30 - 140	11.193	11.186	0.0070	+/-0.050	
Calibration Check (2G20011-CCV3) mg/L				Lab File ID: 040F4001.D		Analyzed: 07/18/12 12:30		
o-Terphenyl	50.00	111	80 - 120	11.183	11.186	-0.0030	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20112	Instrument:	GL-GCFID2
		Calibration:	2200003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20112-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 07/19/12 11:58		
o-Terphenyl	50.00	118	80 - 120	11.196	11.196	0.0000	+/-0.050	
Calibration Check (2G20112-CCV2) mg/L				Lab File ID: 007F0701.D		Analyzed: 07/19/12 14:15		
o-Terphenyl	50.00	116	80 - 120	11.213	11.196	0.0170	+/-0.050	
Blank (2G18808-BLK1) mg/L				Lab File ID: 008F0801.D		Analyzed: 07/19/12 14:49		
o-Terphenyl	0.02000	84.6	30 - 140	11.21	11.196	0.0140	+/-0.050	
LCS (2G18808-BS1) mg/L				Lab File ID: 009F0901.D		Analyzed: 07/19/12 15:23		
o-Terphenyl	0.02000	96.1	30 - 140	11.203	11.196	0.0070	+/-0.050	
GW0630 (1207067-01) mg/L				Lab File ID: 010F1001.D		Analyzed: 07/19/12 15:57		
o-Terphenyl	0.01852	97.1	30 - 140	11.196	11.196	0.0000	+/-0.050	
GW0635 (1207067-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 07/19/12 16:32		
o-Terphenyl	0.01923	110	30 - 140	11.186	11.196	-0.0100	+/-0.050	
GW0644 (1207067-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 07/19/12 17:06		
o-Terphenyl	0.01852	91.9	30 - 140	11.15	11.196	-0.0460	+/-0.050	
GW0645 (1207067-07) mg/L				Lab File ID: 013F1301.D		Analyzed: 07/19/12 17:40		
o-Terphenyl	0.01923	109	30 - 140	11.16	11.196	-0.0360	+/-0.050	
GW0646 (1207067-09) mg/L				Lab File ID: 014F1401.D		Analyzed: 07/19/12 18:13		
o-Terphenyl	0.01923	89.5	30 - 140	11.153	11.196	-0.0430	+/-0.050	
GW0647 (1207067-11) mg/L				Lab File ID: 015F1501.D		Analyzed: 07/19/12 18:47		
o-Terphenyl	0.01852	115	30 - 140	11.153	11.196	-0.0430	+/-0.050	
GW0651 (1207067-13) mg/L				Lab File ID: 016F1601.D		Analyzed: 07/19/12 19:20		
o-Terphenyl	0.01961	106	30 - 140	11.16	11.196	-0.0360	+/-0.050	
GW0658 (1207067-17) mg/L				Lab File ID: 017F1701.D		Analyzed: 07/19/12 19:54		
o-Terphenyl	0.01923	115	30 - 140	11.153	11.196	-0.0430	+/-0.050	
GW0659 (1207067-19) mg/L				Lab File ID: 018F1801.D		Analyzed: 07/19/12 20:27		
o-Terphenyl	0.01852	90.8	30 - 140	11.153	11.196	-0.0430	+/-0.050	
Matrix Spike (2G18808-MS1) mg/L				Lab File ID: 019F1901.D		Analyzed: 07/19/12 21:00		
o-Terphenyl	0.01961	107	30 - 140	11.156	11.196	-0.0400	+/-0.050	
Matrix Spike Dup (2G18808-MSD1) mg/L				Lab File ID: 020F2001.D		Analyzed: 07/19/12 21:34		
o-Terphenyl	0.01923	95.2	30 - 140	11.143	11.196	-0.0530	+/-0.050	*
GW0660 (1207067-21) mg/L				Lab File ID: 021F2101.D		Analyzed: 07/19/12 22:07		
o-Terphenyl	0.01923	68.8	30 - 140	11.13	11.196	-0.0660	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20112	Instrument:	GL-GCFID2
		Calibration:	2200003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20112-CCV3) mg/L				Lab File ID: 022F2201.D		Analyzed: 07/19/12 22:40		
o-Terphenyl	50.00	111	80 - 120	11.14	11.196	-0.0560	+/-0.050	*
GW0701 (1207067-23) mg/L				Lab File ID: 023F2301.D		Analyzed: 07/19/12 23:13		
o-Terphenyl	0.02000	89.8	30 - 140	11.133	11.196	-0.0630	+/-0.050	*
GW0702 (1207067-25) mg/L				Lab File ID: 024F2401.D		Analyzed: 07/19/12 23:47		
o-Terphenyl	0.02000	98.2	30 - 140	11.126	11.196	-0.0700	+/-0.050	*
GW0727 (1207067-27) mg/L				Lab File ID: 025F2501.D		Analyzed: 07/20/12 00:20		
o-Terphenyl	0.02222	113	30 - 140	11.14	11.196	-0.0560	+/-0.050	*
Calibration Check (2G20112-CCV4) mg/L				Lab File ID: 035F3501.D		Analyzed: 07/20/12 05:52		
o-Terphenyl	50.00	109	80 - 120	11.133	11.196	-0.0630	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20910	Instrument:	GL-GCFID2
		Calibration:	2209001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20910-CCV1) mg/L				Lab File ID: 009F0901.D		Analyzed: 07/26/12 18:26		
o-Terphenyl	50.00	112	80 - 120	11.13	11.13	0.0000	+/-0.050	
GW0715 (1207051-09RE1) mg/L				Lab File ID: 010F1001.D		Analyzed: 07/26/12 18:59		
o-Terphenyl	0.01961	125	30 - 140	11.153	11.13	0.0230	+/-0.050	
Calibration Check (2G20910-CCV2) mg/L				Lab File ID: 011F1101.D		Analyzed: 07/26/12 19:33		
o-Terphenyl	50.00	113	80 - 120	11.113	11.13	-0.0170	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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
GW0668	07/10/12 12:54	07/11/12 08:25	07/13/12 11:16	2.89	7.00	07/18/12 00:13	4.54	40.00	
GW0669	07/10/12 12:54	07/11/12 08:25	07/13/12 11:16	2.89	7.00	07/18/12 00:46	4.56	40.00	
GW0670	07/10/12 10:54	07/11/12 08:25	07/13/12 11:16	2.97	7.00	07/18/12 01:20	4.59	40.00	
GW0714	07/09/12 16:41	07/11/12 08:25	07/13/12 11:16	3.73	7.00	07/18/12 01:54	4.61	40.00	
GW0715	07/09/12 14:21	07/11/12 08:25	07/13/12 11:16	3.83	7.00	07/26/12 18:59	13.32	40.00	
GW0716	07/09/12 11:55	07/11/12 08:25	07/13/12 11:16	3.93	7.00	07/18/12 04:40	4.73	40.00	
GW0720	07/09/12 16:53	07/11/12 08:25	07/13/12 11:16	3.72	7.00	07/18/12 05:14	4.75	40.00	
GW0721	07/09/12 14:41	07/11/12 08:25	07/13/12 11:16	3.82	7.00	07/18/12 05:47	4.77	40.00	
GW0722	07/09/12 12:23	07/11/12 08:25	07/13/12 11:16	3.91	7.00	07/18/12 06:20	4.79	40.00	
GW0729	07/10/12 11:17	07/11/12 08:25	07/13/12 11:16	2.96	7.00	07/18/12 06:53	4.82	40.00	
GW0630	07/11/12 10:08	07/13/12 08:30	07/18/12 09:29	6.93	7.00	07/19/12 15:57	1.27	40.00	
GW0635	07/11/12 12:26	07/13/12 08:30	07/18/12 09:29	6.84	7.00	07/19/12 16:32	1.29	40.00	
GW0644	07/12/12 10:58	07/13/12 08:30	07/18/12 09:29	5.90	7.00	07/19/12 17:06	1.32	40.00	
GW0645	07/12/12 13:37	07/13/12 08:30	07/18/12 09:29	5.79	7.00	07/19/12 17:40	1.34	40.00	
GW0646	07/12/12 13:31	07/13/12 08:30	07/18/12 09:29	5.79	7.00	07/19/12 18:13	1.36	40.00	
GW0647	07/12/12 16:08	07/13/12 08:30	07/18/12 09:29	5.68	7.00	07/19/12 18:47	1.39	40.00	
GW0651	07/11/12 15:32	07/13/12 08:30	07/18/12 09:29	6.71	7.00	07/19/12 19:20	1.41	40.00	
GW0652	07/10/12 16:12	07/13/12 08:30	07/17/12 12:50	6.82	7.00	07/18/12 10:14	0.89	40.00	
GW0658	07/12/12 16:05	07/13/12 08:30	07/18/12 09:29	5.68	7.00	07/19/12 19:54	1.43	40.00	
GW0659	07/12/12 13:04	07/13/12 08:30	07/18/12 09:29	5.81	7.00	07/19/12 20:27	1.46	40.00	
GW0660	07/12/12 10:32	07/13/12 08:30	07/18/12 09:29	5.91	7.00	07/19/12 22:07	1.53	40.00	
GW0701	07/11/12 15:33	07/13/12 08:30	07/18/12 09:29	6.71	7.00	07/19/12 23:13	1.57	40.00	
GW0702	07/11/12 15:33	07/13/12 08:30	07/18/12 09:29	6.71	7.00	07/19/12 23:47	1.60	40.00	
GW0727	07/11/12 09:46	07/13/12 08:30	07/18/12 09:29	6.95	7.00	07/20/12 00:20	1.62	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G13003-BLK1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	07/17/12 23:06
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G13003	Sequence:	2G20011	Calibration:	2200003	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	0.02126	106	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G13003-BS1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	07/17/12 23:39
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G13003	Sequence:	2G20011	Calibration:	2200003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9284	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02098	105	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G13003-MS1	File ID:	024F2401.D
Sampled:		Prepared:		Analyzed:	07/18/12 03:34
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G13003 Sequence: 2G20011 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	7.560	0.100	0.200	0.400	E

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01935	96.7	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G13003-MSD1	File ID:	025F2501.D
Sampled:		Prepared:		Analyzed:	07/18/12 04:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G13003	Sequence:	2G20011	Calibration:	2200003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	7.902	0.0935	0.187	0.374	E

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01695	90.7	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G17016-BLK1	File ID:	033F3301.D
Sampled:		Prepared:		Analyzed:	07/18/12 08:33
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G17016	Sequence:	2G20011	Calibration:	2200003	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	0.02258	113	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G17016-BS1	File ID:	034F3401.D
Sampled:		Prepared:		Analyzed:	07/18/12 09:06
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G17016	Sequence:	2G20011	Calibration:	2200003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.036	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02340	117	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G17016-BSD1	File ID:	035F3501.D
Sampled:		Prepared:		Analyzed:	07/18/12 09:40
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G17016	Sequence:	2G20011	Calibration:	2200003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.070	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02174	109	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G18808-BLK1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	07/19/12 14:49
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G18808	Sequence:	2G20112	Calibration:	2200003	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	0.01692	84.6	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G18808-BS1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	07/19/12 15:23
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G18808	Sequence:	2G20112	Calibration:	2200003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6636	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01922	96.1	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G18808-MS1	File ID:	019F1901.D
Sampled:		Prepared:		Analyzed:	07/19/12 21:00
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2G18808	Sequence:	2G20112	Calibration:	2200003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9414	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02095	107	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G18808-MSD1	File ID:	020F2001.D
Sampled:		Prepared:		Analyzed:	07/19/12 21:34
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2G18808 Sequence: 2G20112 Calibration: 2200003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7751	0.0962	0.192	0.385	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01831	95.2	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20607	Instrument:	GL-GCVOA2
Calibration:	2206001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20607-CCV1	009F0701.D	07/19/12 20:04
LCS	2G24013-BS1	017F1501.D	07/20/12 01:13
Blank	2G24013-BLK1	018F1601.D	07/20/12 01:51
GW0668	1207051-01	023F2101.D	07/20/12 05:04
Calibration Check	2G20607-CCV2	024F2201.D	07/20/12 05:41
GW0669	1207051-03	025F2301.D	07/20/12 06:19
GW0670	1207051-05	026F2401.D	07/20/12 06:57
GW0714	1207051-07	027F2501.D	07/20/12 07:36
GW0715	1207051-09	028F2601.D	07/20/12 08:14
GW0715	2G24013-MS2	029F2701.D	07/20/12 08:53
GW0715	2G24013-MSD2	030F2801.D	07/20/12 09:31
GW0716	1207051-11	031F2901.D	07/20/12 10:10
GW0720	1207051-13	032F3001.D	07/20/12 10:50
GW0721	1207051-15	033F3101.D	07/20/12 11:29
GW0722	1207051-17	034F3201.D	07/20/12 12:09
GW0729	1207051-19	035F3301.D	07/20/12 12:49
Calibration Check	2G20607-CCV3	037F3501.D	07/20/12 14:09

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20804	Instrument:	GL-GCVOA2
Calibration:	2206001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20804-CCV1	003F0301.D	07/23/12 14:33
LCS	2G17029-BS1	004F0401.D	07/23/12 15:14
Blank	2G17029-BLK1	005F0501.D	07/23/12 15:55
GW0630	1207067-01	006F0601.D	07/23/12 16:37
GW0635	1207067-03	007F0701.D	07/23/12 17:17
GW0644	1207067-05	008F0801.D	07/23/12 17:58
GW0645	1207067-07	009F0901.D	07/23/12 18:38
GW0646	1207067-09	010F1001.D	07/23/12 19:17
GW0647	1207067-11	011F1101.D	07/23/12 19:57
GW0651	1207067-13	012F1201.D	07/23/12 20:36
GW0652	1207067-15	013F1301.D	07/23/12 21:15
GW0658	1207067-17	014F1401.D	07/23/12 21:55
GW0659	1207067-19	015F1501.D	07/23/12 22:34
GW0659	2G17029-MS1	016F1601.D	07/23/12 23:15
GW0659	2G17029-MSD1	017F1701.D	07/23/12 23:55
Calibration Check	2G20804-CCV2	018F1801.D	07/24/12 00:35

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20805	Instrument:	GL-GCVOA2
Calibration:	2206001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20805-CCV1	003F0301.D	07/24/12 16:22
LCS	2G24021-BS1	004F0401.D	07/24/12 17:03
Blank	2G24021-BLK1	005F0501.D	07/24/12 17:44
GW0660	1207067-21RE1	006F0601.D	07/24/12 18:24
GW0701	1207067-23RE1	007F0701.D	07/24/12 19:04
GW0702	1207067-25RE1	008F0801.D	07/24/12 19:46
GW0727	1207067-27RE1	009F0901.D	07/24/12 20:26
Calibration Check	2G20805-CCV2	018F1801.D	07/25/12 02:30

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01	File ID:	023F2101.D
Sampled:	07/10/12 12:54	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 05:04
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06391	128	50 - 150	

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	025F2301.D
Sampled:	07/10/12 12:54	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 06:19
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

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

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	026F2401.D
Sampled:	07/10/12 10:54	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 06:57
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06259	125	50 - 150	X

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	027F2501.D
Sampled:	07/09/12 16:41	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 07:36
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.20	0.0500	0.100	0.150	Y

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06525	130	50 - 150	X

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09	File ID:	028F2601.D
Sampled:	07/09/12 14:21	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 08:14
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	2.83	0.0500	0.100	0.150	Y

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07426	149	50 - 150	X

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	031F2901.D
Sampled:	07/09/12 11:55	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 10:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07069	141	50 - 150	X

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	032F3001.D
Sampled:	07/09/12 16:53	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 10:50
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06517	130	50 - 150	X

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	033F3101.D
Sampled:	07/09/12 14:41	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 11:29
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06965	139	50 - 150	X

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	034F3201.D
Sampled:	07/09/12 12:23	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 12:09
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06871	137	50 - 150	X

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	035F3301.D
Sampled:	07/10/12 11:17	Prepared:	07/19/12 11:57	Analyzed:	07/20/12 12:49
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24013 Sequence: 2G20607 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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07493	150	50 - 150	X

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	006F0601.D
Sampled:	07/11/12 10:08	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 16:37
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.145	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07327	147	50 - 150	X

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	007F0701.D
Sampled:	07/11/12 12:26	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 17:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 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	0.07239	145	50 - 150	X

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05	File ID:	008F0801.D
Sampled:	07/12/12 10:58	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 17:58
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.182	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07294	146	50 - 150	X

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	009F0901.D
Sampled:	07/12/12 13:37	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 18:38
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.339	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07425	148	50 - 150	X

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	010F1001.D
Sampled:	07/12/12 13:31	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 19:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.301	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07355	147	50 - 150	X

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	011F1101.D
Sampled:	07/12/12 16:08	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 19:57
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.120	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07223	144	50 - 150	X

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	012F1201.D
Sampled:	07/11/12 15:32	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 20:36
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 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	0.07188	144	50 - 150	X

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	013F1301.D
Sampled:	07/10/12 16:12	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 21:15
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 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	0.06929	139	50 - 150	X

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	014F1401.D
Sampled:	07/12/12 16:05	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 21:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 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	0.06830	137	50 - 150	X

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	015F1501.D
Sampled:	07/12/12 13:04	Prepared:	07/23/12 11:00	Analyzed:	07/23/12 22:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G17029 Sequence: 2G20804 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	0.07103	142	50 - 150	X

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21RE1	File ID:	006F0601.D
Sampled:	07/12/12 10:32	Prepared:	07/23/12 11:00	Analyzed:	07/24/12 18:24
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24021 Sequence: 2G20805 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	0.07168	143	50 - 150	

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23RE1	File ID:	007F0701.D
Sampled:	07/11/12 15:33	Prepared:	07/23/12 11:00	Analyzed:	07/24/12 19:04
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24021 Sequence: 2G20805 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	0.06937	139	50 - 150	

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25RE1	File ID:	008F0801.D
Sampled:	07/11/12 15:33	Prepared:	07/23/12 11:00	Analyzed:	07/24/12 19:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24021 Sequence: 2G20805 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	0.06737	135	50 - 150	

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27RE1	File ID:	009F0901.D
Sampled:	07/11/12 09:46	Prepared:	07/23/12 11:00	Analyzed:	07/24/12 20:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2G24021 Sequence: 2G20805 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.715	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07005	140	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17029	Laboratory ID:	2G17029-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	0.4280	85.6	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24013	Laboratory ID:	2G24013-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	0.3968	79.4	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24021	Laboratory ID:	2G24021-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	0.4621	92.4	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G17029

% Solids:

Source Sample Name: **1207067-19**

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	0.3507	70.1		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	0.4182	83.6	17.5		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24013

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	2.829	3.230	80.1		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	3.302	94.5	2.21		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17029 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/23/12 11:00	5.00	5.00
GW0635	1207067-03	07/23/12 11:00	5.00	5.00
GW0644	1207067-05	07/23/12 11:00	5.00	5.00
GW0645	1207067-07	07/23/12 11:00	5.00	5.00
GW0646	1207067-09	07/23/12 11:00	5.00	5.00
GW0647	1207067-11	07/23/12 11:00	5.00	5.00
GW0651	1207067-13	07/23/12 11:00	5.00	5.00
GW0652	1207067-15	07/23/12 11:00	5.00	5.00
GW0658	1207067-17	07/23/12 11:00	5.00	5.00
GW0659	1207067-19	07/23/12 11:00	5.00	5.00
Blank	2G17029-BLK1	07/23/12 11:00	5.00	5.00
LCS	2G17029-BS1	07/23/12 11:00	5.00	5.00
GW0659	2G17029-MS1	07/23/12 11:00	5.00	5.00
GW0659	2G17029-MSD1	07/23/12 11:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G24013 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/19/12 11:57	5.00	5.00
GW0669	1207051-03	07/19/12 11:57	5.00	5.00
GW0670	1207051-05	07/19/12 11:57	5.00	5.00
GW0714	1207051-07	07/19/12 11:57	5.00	5.00
GW0715	1207051-09	07/19/12 11:57	5.00	5.00
GW0716	1207051-11	07/19/12 11:57	5.00	5.00
GW0720	1207051-13	07/19/12 11:57	5.00	5.00
GW0721	1207051-15	07/19/12 11:57	5.00	5.00
GW0722	1207051-17	07/19/12 11:57	5.00	5.00
GW0729	1207051-19	07/19/12 11:57	5.00	5.00
Blank	2G24013-BLK1	07/19/12 11:57	5.00	5.00
LCS	2G24013-BS1	07/19/12 11:57	5.00	5.00
GW0715	2G24013-MS2	07/19/12 11:57	5.00	5.00
GW0715	2G24013-MSD2	07/19/12 11:57	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G24021 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0660	1207067-21RE1	07/23/12 11:00	5.00	5.00
GW0701	1207067-23RE1	07/23/12 11:00	5.00	5.00
GW0702	1207067-25RE1	07/23/12 11:00	5.00	5.00
GW0727	1207067-27RE1	07/23/12 11:00	5.00	5.00
Blank	2G24021-BLK1	07/24/12 14:03	5.00	5.00
LCS	2G24021-BS1	07/24/12 14:03	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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 DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
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_056	
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 CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20607	Injection Date:	07/19/12
Lab Sample ID:	2G20607-CCV1	Injection Time:	20:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5899	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

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	024F2201.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20607	Injection Date:	07/20/12
Lab Sample ID:	2G20607-CCV2	Injection Time:	05:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.3319	1308562	858410		-33.6	20 *
Bromofluorobenzene	L	0.05000	0.05964	475417	505220		19.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	037F3501.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20607	Injection Date:	07/20/12
Lab Sample ID:	2G20607-CCV3	Injection Time:	14:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4288	1308562	1031544		-14.2	20
Bromofluorobenzene	L	0.05000	0.06472	475417	544220		29.4	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20804	Injection Date:	07/23/12
Lab Sample ID:	2G20804-CCV1	Injection Time:	14:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4505	1308562	1070464		-9.9	20
Bromofluorobenzene	L	0.05000	0.06079	475417	514080		21.6	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	018F1801.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20804	Injection Date:	07/24/12
Lab Sample ID:	2G20804-CCV2	Injection Time:	00:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4099	1308562	997890		-18.0	20
Bromofluorobenzene	L	0.05000	0.05745	475417	488400		14.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20805	Injection Date:	07/24/12
Lab Sample ID:	2G20805-CCV1	Injection Time:	16:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4760	1308562	1115994		-4.8	20
Bromofluorobenzene	L	0.05000	0.05741	475417	488080		14.8	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2206001
Lab File ID:	018F1801.D	Calibration Date:	07/19/12 16:07
Sequence:	2G20805	Injection Date:	07/25/12
Lab Sample ID:	2G20805-CCV2	Injection Time:	02:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4259	1308562	1026508		-14.8	20
Bromofluorobenzene	L	0.05000	0.05108	475417	439460		2.2	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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20607	Instrument:	GL-GCVOA2
		Calibration:	2206001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20607-CCV1) ug/mL				Lab File ID: 009F0701.D		Analyzed: 07/19/12 20:04		
Bromofluorobenzene	0.05000	105	80 - 120	20.336	20.336	0.0000	+/-0.210	
LCS (2G24013-BS1) mg/L				Lab File ID: 017F1501.D		Analyzed: 07/20/12 01:13		
Bromofluorobenzene	0.05000	131	50 - 150	20.32	20.336	-0.0160	+/-0.210	
Blank (2G24013-BLK1) mg/L				Lab File ID: 018F1601.D		Analyzed: 07/20/12 01:51		
Bromofluorobenzene	0.05000	143	50 - 150	20.32	20.336	-0.0160	+/-0.210	
GW0668 (1207051-01) mg/L				Lab File ID: 023F2101.D		Analyzed: 07/20/12 05:04		
Bromofluorobenzene	0.05000	128	50 - 150	20.34	20.336	0.0040	+/-0.210	
Calibration Check (2G20607-CCV2) ug/mL				Lab File ID: 024F2201.D		Analyzed: 07/20/12 05:41		
Bromofluorobenzene	0.05000	119	80 - 120	20.346	20.336	0.0100	+/-0.210	
GW0669 (1207051-03) mg/L				Lab File ID: 025F2301.D		Analyzed: 07/20/12 06:19		
Bromofluorobenzene	0.05000	132	50 - 150	20.346	20.336	0.0100	+/-0.210	
GW0670 (1207051-05) mg/L				Lab File ID: 026F2401.D		Analyzed: 07/20/12 06:57		
Bromofluorobenzene	0.05000	125	50 - 150	20.336	20.336	0.0000	+/-0.210	
GW0714 (1207051-07) mg/L				Lab File ID: 027F2501.D		Analyzed: 07/20/12 07:36		
Bromofluorobenzene	0.05000	130	50 - 150	20.33	20.336	-0.0060	+/-0.210	
GW0715 (1207051-09) mg/L				Lab File ID: 028F2601.D		Analyzed: 07/20/12 08:14		
Bromofluorobenzene	0.05000	149	50 - 150	20.323	20.336	-0.0130	+/-0.210	
Matrix Spike (2G24013-MS2) mg/L				Lab File ID: 029F2701.D		Analyzed: 07/20/12 08:53		
Bromofluorobenzene	0.05000	146	50 - 150	20.33	20.336	-0.0060	+/-0.210	
Matrix Spike Dup (2G24013-MSD2) mg/L				Lab File ID: 030F2801.D		Analyzed: 07/20/12 09:31		
Bromofluorobenzene	0.05000	146	50 - 150	20.33	20.336	-0.0060	+/-0.210	
GW0716 (1207051-11) mg/L				Lab File ID: 031F2901.D		Analyzed: 07/20/12 10:10		
Bromofluorobenzene	0.05000	141	50 - 150	20.333	20.336	-0.0030	+/-0.210	
GW0720 (1207051-13) mg/L				Lab File ID: 032F3001.D		Analyzed: 07/20/12 10:50		
Bromofluorobenzene	0.05000	130	50 - 150	20.326	20.336	-0.0100	+/-0.210	
GW0721 (1207051-15) mg/L				Lab File ID: 033F3101.D		Analyzed: 07/20/12 11:29		
Bromofluorobenzene	0.05000	139	50 - 150	20.323	20.336	-0.0130	+/-0.210	
GW0722 (1207051-17) mg/L				Lab File ID: 034F3201.D		Analyzed: 07/20/12 12:09		
Bromofluorobenzene	0.05000	137	50 - 150	20.323	20.336	-0.0130	+/-0.210	
GW0729 (1207051-19) mg/L				Lab File ID: 035F3301.D		Analyzed: 07/20/12 12:49		
Bromofluorobenzene	0.05000	150	50 - 150	20.316	20.336	-0.0200	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20607	Instrument:	GL-GCVOA2
		Calibration:	2206001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20607-CCV3) ug/mL				Lab File ID: 037F3501.D		Analyzed: 07/20/12 14:09		
Bromofluorobenzene	0.05000	129	80 - 120	20.316	20.336	-0.0200	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20804	Instrument:	GL-GCVOA2
		Calibration:	2206001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20804-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 07/23/12 14:33		
Bromofluorobenzene	0.05000	122	80 - 120	20.293	20.293	0.0000	+/-0.210	*
LCS (2G17029-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 07/23/12 15:14		
Bromofluorobenzene	0.05000	124	50 - 150	20.293	20.293	0.0000	+/-0.210	
Blank (2G17029-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 07/23/12 15:55		
Bromofluorobenzene	0.05000	151	50 - 150	20.293	20.293	0.0000	+/-0.210	*
GW0630 (1207067-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 07/23/12 16:37		
Bromofluorobenzene	0.05000	147	50 - 150	20.293	20.293	0.0000	+/-0.210	
GW0635 (1207067-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 07/23/12 17:17		
Bromofluorobenzene	0.05000	145	50 - 150	20.296	20.293	0.0030	+/-0.210	
GW0644 (1207067-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 07/23/12 17:58		
Bromofluorobenzene	0.05000	146	50 - 150	20.326	20.293	0.0330	+/-0.210	
GW0645 (1207067-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 07/23/12 18:38		
Bromofluorobenzene	0.05000	148	50 - 150	20.343	20.293	0.0500	+/-0.210	
GW0646 (1207067-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 07/23/12 19:17		
Bromofluorobenzene	0.05000	147	50 - 150	20.326	20.293	0.0330	+/-0.210	
GW0647 (1207067-11) mg/L				Lab File ID: 011F1101.D		Analyzed: 07/23/12 19:57		
Bromofluorobenzene	0.05000	144	50 - 150	20.323	20.293	0.0300	+/-0.210	
GW0651 (1207067-13) mg/L				Lab File ID: 012F1201.D		Analyzed: 07/23/12 20:36		
Bromofluorobenzene	0.05000	144	50 - 150	20.32	20.293	0.0270	+/-0.210	
GW0652 (1207067-15) mg/L				Lab File ID: 013F1301.D		Analyzed: 07/23/12 21:15		
Bromofluorobenzene	0.05000	139	50 - 150	20.316	20.293	0.0230	+/-0.210	
GW0658 (1207067-17) mg/L				Lab File ID: 014F1401.D		Analyzed: 07/23/12 21:55		
Bromofluorobenzene	0.05000	137	50 - 150	20.32	20.293	0.0270	+/-0.210	
GW0659 (1207067-19) mg/L				Lab File ID: 015F1501.D		Analyzed: 07/23/12 22:34		
Bromofluorobenzene	0.05000	142	50 - 150	20.316	20.293	0.0230	+/-0.210	
Matrix Spike (2G17029-MS1) mg/L				Lab File ID: 016F1601.D		Analyzed: 07/23/12 23:15		
Bromofluorobenzene	0.05000	119	50 - 150	20.313	20.293	0.0200	+/-0.210	
Matrix Spike Dup (2G17029-MSD1) mg/L				Lab File ID: 017F1701.D		Analyzed: 07/23/12 23:55		
Bromofluorobenzene	0.05000	118	50 - 150	20.31	20.293	0.0170	+/-0.210	
Calibration Check (2G20804-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 07/24/12 00:35		
Bromofluorobenzene	0.05000	115	80 - 120	20.306	20.293	0.0130	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20805	Instrument:	GL-GCVOA2
		Calibration:	2206001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20805-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 07/24/12 16:22		
Bromofluorobenzene	0.05000	115	80 - 120	20.296	20.296	0.0000	+/-0.210	
LCS (2G24021-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 07/24/12 17:03		
Bromofluorobenzene	0.05000	116	50 - 150	20.296	20.296	0.0000	+/-0.210	
Blank (2G24021-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 07/24/12 17:44		
Bromofluorobenzene	0.05000	119	50 - 150	20.296	20.296	0.0000	+/-0.210	
GW0660 (1207067-21RE1) mg/L				Lab File ID: 006F0601.D		Analyzed: 07/24/12 18:24		
Bromofluorobenzene	0.05000	143	50 - 150	20.3	20.296	0.0040	+/-0.210	
GW0701 (1207067-23RE1) mg/L				Lab File ID: 007F0701.D		Analyzed: 07/24/12 19:04		
Bromofluorobenzene	0.05000	139	50 - 150	20.303	20.296	0.0070	+/-0.210	
GW0702 (1207067-25RE1) mg/L				Lab File ID: 008F0801.D		Analyzed: 07/24/12 19:46		
Bromofluorobenzene	0.05000	135	50 - 150	20.306	20.296	0.0100	+/-0.210	
GW0727 (1207067-27RE1) mg/L				Lab File ID: 009F0901.D		Analyzed: 07/24/12 20:26		
Bromofluorobenzene	0.05000	140	50 - 150	20.31	20.296	0.0140	+/-0.210	
Calibration Check (2G20805-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 07/25/12 02:30		
Bromofluorobenzene	0.05000	102	80 - 120	20.303	20.296	0.0070	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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
GW0668	07/10/12 12:54	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 05:04	9.63	14.00	
GW0669	07/10/12 12:54	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 06:19	9.68	14.00	
GW0670	07/10/12 10:54	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 06:57	9.79	14.00	
GW0714	07/09/12 16:41	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 07:36	10.58	14.00	
GW0715	07/09/12 14:21	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 08:14	10.70	14.00	
GW0716	07/09/12 11:55	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 10:10	10.89	14.00	
GW0720	07/09/12 16:53	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 10:50	10.71	14.00	
GW0721	07/09/12 14:41	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 11:29	10.83	14.00	
GW0722	07/09/12 12:23	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 12:09	10.95	14.00	
GW0729	07/10/12 11:17	07/11/12 08:25	07/19/12 11:57	N/A	14.00	07/20/12 12:49	10.02	14.00	
GW0630	07/11/12 10:08	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 16:37	12.23	14.00	
GW0635	07/11/12 12:26	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 17:17	12.16	14.00	
GW0644	07/12/12 10:58	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 17:58	11.25	14.00	
GW0645	07/12/12 13:37	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 18:38	11.17	14.00	
GW0646	07/12/12 13:31	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 19:17	11.20	14.00	
GW0647	07/12/12 16:08	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 19:57	11.12	14.00	
GW0651	07/11/12 15:32	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 20:36	12.17	14.00	
GW0652	07/10/12 16:12	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 21:15	13.17	14.00	
GW0658	07/12/12 16:05	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 21:55	11.20	14.00	
GW0659	07/12/12 13:04	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/23/12 22:34	11.35	14.00	
GW0660	07/12/12 10:32	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/24/12 18:24	12.29	14.00	
GW0701	07/11/12 15:33	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/24/12 19:04	13.10	14.00	
GW0702	07/11/12 15:33	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/24/12 19:46	13.13	14.00	
GW0727	07/11/12 09:46	07/13/12 08:30	07/23/12 11:00	N/A	14.00	07/24/12 20:26	13.40	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G17029-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	07/23/12 15:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G17029	Sequence:	2G20804	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	0.07538	151	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G17029-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	07/23/12 15:14
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G17029	Sequence:	2G20804	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4280	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06183	124	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G17029-MS1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	07/23/12 23:15
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.3507	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05966	119	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G17029-MSD1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	07/23/12 23:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2G17029 Sequence: 2G20804 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4182	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05911	118	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G24013-BLK1	File ID:	018F1601.D
Sampled:		Prepared:		Analyzed:	07/20/12 01:51
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G24013	Sequence:	2G20607	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	Y, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07153	143	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G24013-BS1	File ID:	017F1501.D
Sampled:		Prepared:		Analyzed:	07/20/12 01:13
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G24013	Sequence:	2G20607	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.3968	0.0500	0.100	0.150	Y

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06538	131	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G24013-MS2	File ID:	029F2701.D
Sampled:		Prepared:		Analyzed:	07/20/12 08:53
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2G24013 Sequence: 2G20607 Calibration: 2206001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	3.230	0.0500	0.100	0.150	Y

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07278	146	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G24013-MSD2
File ID: 030F2801.D
Sampled:
Prepared:
Analyzed: 07/20/12 09:31
Solids:
Preparation: 8015GRO
Dilution:
Batch: 2G24013
Sequence: 2G20607
Calibration: 2206001
Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	3.302	0.0500	0.100	0.150	Y

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07319	146	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G24021-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	07/24/12 17:44
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G24021	Sequence:	2G20805	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	0.05944	119	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G24021-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	07/24/12 17:03
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2G24021	Sequence:	2G20805	Calibration:	2206001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4621	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05819	116	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19903	Instrument:	GL-ECD2
Calibration:	2199002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G19903-CAL1	002R0101.D	07/13/12 07:47
Cal Standard	2G19903-CAL1	002F0101.D	07/13/12 07:47
Cal Standard	2G19903-CAL2	003R0101.D	07/13/12 08:08
Cal Standard	2G19903-CAL2	003F0101.D	07/13/12 08:08
Cal Standard	2G19903-CAL3	004R0101.D	07/13/12 08:29
Cal Standard	2G19903-CAL3	004F0101.D	07/13/12 08:29
Cal Standard	2G19903-CAL4	005R0101.D	07/13/12 08:50
Cal Standard	2G19903-CAL4	005F0101.D	07/13/12 08:50
Cal Standard	2G19903-CAL5	006R0101.D	07/13/12 09:12
Cal Standard	2G19903-CAL5	006F0101.D	07/13/12 09:12
Cal Standard	2G19903-CAL6	007R0101.D	07/13/12 09:33
Cal Standard	2G19903-CAL6	007F0101.D	07/13/12 09:33
Initial Cal Check	2G19903-ICV1	008R0101.D	07/13/12 09:54
Initial Cal Check	2G19903-ICV1	008F0101.D	07/13/12 09:54

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19905	Instrument:	GL-ECD2
Calibration:	2199002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G19905-CCV1	009R0101.D	07/13/12 10:16
Calibration Check	2G19905-CCV1	009F0101.D	07/13/12 10:16
Blank	2G12018-BLK1	010R0101.D	07/13/12 10:37
Blank	2G12018-BLK1	010F0101.D	07/13/12 10:37
LCS	2G12018-BS1	011F0101.D	07/13/12 10:59
LCS	2G12018-BS1	011R0101.D	07/13/12 10:59
GW0669	1207051-03	021F0101.D	07/13/12 14:35
GW0669	1207051-03	021R0101.D	07/13/12 14:35
GW0670	1207051-05	022R0101.D	07/13/12 14:56
GW0670	1207051-05	022F0101.D	07/13/12 14:56
GW0714	1207051-07	023F0101.D	07/13/12 15:18
GW0714	1207051-07	023R0101.D	07/13/12 15:18
Calibration Check	2G19905-CCV2	024F0101.D	07/13/12 15:40
Calibration Check	2G19905-CCV2	024R0101.D	07/13/12 15:40
GW0715	1207051-09	025R0101.D	07/13/12 16:02
GW0715	1207051-09	025F0101.D	07/13/12 16:02
GW0715	2G12018-MS2	026F0101.D	07/13/12 16:23
GW0715	2G12018-MS2	026R0101.D	07/13/12 16:23
GW0715	2G12018-MSD2	027R0101.D	07/13/12 16:45
GW0715	2G12018-MSD2	027F0101.D	07/13/12 16:45
GW0716	1207051-11	028R0101.D	07/13/12 17:06
GW0716	1207051-11	028F0101.D	07/13/12 17:06
GW0720	1207051-13	029R0101.D	07/13/12 17:28
GW0720	1207051-13	029F0101.D	07/13/12 17:28
GW0721	1207051-15	030R0101.D	07/13/12 17:50
GW0721	1207051-15	030F0101.D	07/13/12 17:50
GW0722	1207051-17	031R0101.D	07/13/12 18:11
GW0722	1207051-17	031F0101.D	07/13/12 18:11
GW0729	1207051-19	032F0101.D	07/13/12 18:32
GW0729	1207051-19	032R0101.D	07/13/12 18:32
Calibration Check	2G19905-CCV3	033R0101.D	07/13/12 18:54
Calibration Check	2G19905-CCV3	033F0101.D	07/13/12 18:54

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20614	Instrument:	GL-ECD2
Calibration:	2206003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20614-CAL1	001R0101.D	07/19/12 12:52
Cal Standard	2G20614-CAL1	001F0101.D	07/19/12 12:52
Cal Standard	2G20614-CAL2	002R0101.D	07/19/12 13:09
Cal Standard	2G20614-CAL2	002F0101.D	07/19/12 13:09
Cal Standard	2G20614-CAL3	003R0101.D	07/19/12 13:31
Cal Standard	2G20614-CAL3	003F0101.D	07/19/12 13:31
Cal Standard	2G20614-CAL4	004R0101.D	07/19/12 13:54
Cal Standard	2G20614-CAL4	004F0101.D	07/19/12 13:54
Cal Standard	2G20614-CAL5	006R0101.D	07/19/12 14:41
Cal Standard	2G20614-CAL5	006F0101.D	07/19/12 14:41
Cal Standard	2G20614-CAL6	007R0101.D	07/19/12 15:04
Cal Standard	2G20614-CAL6	007F0101.D	07/19/12 15:04
Initial Cal Check	2G20614-ICV1	008R0101.D	07/19/12 15:28
Initial Cal Check	2G20614-ICV1	008F0101.D	07/19/12 15:28

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20701	Instrument:	GL-ECD2
Calibration:	2206003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20701-CCV1	009R0101.D	07/19/12 15:51
Calibration Check	2G20701-CCV1	009F0101.D	07/19/12 15:51
Blank	2G19930-BLK1	010R0101.D	07/19/12 16:15
Blank	2G19930-BLK1	010F0101.D	07/19/12 16:15
LCS	2G19930-BS1	011F0101.D	07/19/12 16:38
LCS	2G19930-BS1	011R0101.D	07/19/12 16:38
GW0630	1207067-01	018F0101.D	07/19/12 19:13
GW0630	1207067-01	018R0101.D	07/19/12 19:13
GW0635	1207067-03	019F0101.D	07/19/12 19:35
GW0635	1207067-03	019R0101.D	07/19/12 19:35
GW0645	1207067-07	021F0101.D	07/19/12 20:18
GW0645	1207067-07	021R0101.D	07/19/12 20:18
GW0646	1207067-09	022F0101.D	07/19/12 20:39
GW0646	1207067-09	022R0101.D	07/19/12 20:39
GW0647	1207067-11	023F0101.D	07/19/12 21:01
GW0647	1207067-11	023R0101.D	07/19/12 21:01
GW0651	1207067-13	024F0101.D	07/19/12 21:22
GW0651	1207067-13	024R0101.D	07/19/12 21:22
GW0652	1207067-15	025F0101.D	07/19/12 21:43
GW0652	1207067-15	025R0101.D	07/19/12 21:43
Calibration Check	2G20701-CCV2	026F0101.D	07/19/12 22:05
Calibration Check	2G20701-CCV2	026R0101.D	07/19/12 22:05
GW0658	1207067-17	027R0101.D	07/19/12 22:27
GW0658	1207067-17	027F0101.D	07/19/12 22:27
GW0659	1207067-19	028R0101.D	07/19/12 22:48
GW0659	1207067-19	028F0101.D	07/19/12 22:48
GW0659	2G19930-MS3	029F0101.D	07/19/12 23:10
GW0659	2G19930-MS3	029R0101.D	07/19/12 23:10
GW0659	2G19930-MSD3	030F0101.D	07/19/12 23:32
GW0659	2G19930-MSD3	030R0101.D	07/19/12 23:32
GW0660	1207067-21	031F0101.D	07/19/12 23:54
GW0660	1207067-21	031R0101.D	07/19/12 23:54

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20701	Instrument:	GL-ECD2
Calibration:	2206003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0701	1207067-23	032F0101.D	07/20/12 00:16
GW0701	1207067-23	032R0101.D	07/20/12 00:16
GW0702	1207067-25	033F0101.D	07/20/12 00:37
GW0702	1207067-25	033R0101.D	07/20/12 00:37
Calibration Check	2G20701-CCV3	035R0101.D	07/20/12 01:21
Calibration Check	2G20701-CCV3	035F0101.D	07/20/12 01:21

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20810	Instrument:	GL-ECD2
Calibration:	2208004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20810-CCV1	009R0101.D	07/24/12 12:32
Calibration Check	2G20810-CCV1	009F0101.D	07/24/12 12:32
Blank	2G23016-BLK1	010R0101.D	07/24/12 12:54
Blank	2G23016-BLK1	010F0101.D	07/24/12 12:54
LCS	2G23016-BS1	011R0101.D	07/24/12 13:16
LCS	2G23016-BS1	011F0101.D	07/24/12 13:16
GW0668	1207051-01RE2	012R0101.D	07/24/12 13:38
GW0668	1207051-01RE2	012F0101.D	07/24/12 13:38
GW0644	1207067-05RE1	013R0101.D	07/24/12 14:01
GW0644	1207067-05RE1	013F0101.D	07/24/12 14:01
GW0727	1207067-27RE1	014R0101.D	07/24/12 14:23
GW0727	1207067-27RE1	014F0101.D	07/24/12 14:23
Calibration Check	2G20810-CCV2	015R0101.D	07/24/12 14:46
Calibration Check	2G20810-CCV2	015F0101.D	07/24/12 14:46

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20912	Instrument:	GL-ECD2
Calibration:	2208004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20912-CCV1	002R0101.D	07/25/12 14:43
Calibration Check	2G20912-CCV1	002F0101.D	07/25/12 14:43
GW0652	1207067-15RE1	003R0101.D	07/25/12 15:05
GW0652	1207067-15RE1	003F0101.D	07/25/12 15:05
Calibration Check	2G20912-CCV2	004R0101.D	07/25/12 15:27
Calibration Check	2G20912-CCV2	004F0101.D	07/25/12 15:27

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01RE2	File ID:	012F0101.D
Sampled:	07/10/12 12:54	Prepared:	07/23/12 10:53	Analyzed:	07/24/12 13:38
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G23016 Sequence: 2G20810 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.240	0.00930	0.0186	0.0279	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.860	1.519	81.7	30 - 130	
1,3-Dibromopropane [2C]	1.860	1.397	75.1	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03	File ID:	021R0101.D
Sampled:	07/10/12 12:54	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 14:35
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.176	0.00916	0.0183	0.0275	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.832	1.076	58.8	30 - 130	
1,3-Dibromopropane [2C]	1.832	1.051	57.4	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05	File ID:	022F0101.D
Sampled:	07/10/12 10:54	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 14:56
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00921	0.0184	0.0276	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.843	1.412	76.6	30 - 130	
1,3-Dibromopropane [2C]	1.843	1.329	72.1	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07	File ID:	023R0101.D
Sampled:	07/09/12 16:41	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 15:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.788	0.00947	0.0189	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.893	1.757	92.8	30 - 130	
1,3-Dibromopropane [2C]	1.893	1.657	87.5	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09	File ID:	025R0101.D
Sampled:	07/09/12 14:21	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 16:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00924	0.0185	0.0277	UN

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.847	0.9593	51.9	30 - 130	
1,3-Dibromopropane [2C]	1.847	0.9588	51.9	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11	File ID:	028F0101.D
Sampled:	07/09/12 11:55	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 17:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00917	0.0183	0.0275	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.833	1.569	85.6	30 - 130	
1,3-Dibromopropane [2C]	1.833	1.491	81.3	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13	File ID:	029R0101.D
Sampled:	07/09/12 16:53	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 17:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.214	0.00924	0.0185	0.0277	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.848	1.207	65.3	30 - 130	
1,3-Dibromopropane [2C]	1.848	1.192	64.5	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15	File ID:	030R0101.D
Sampled:	07/09/12 14:41	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 17:50
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.213	0.00930	0.0186	0.0279	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.860	0.9940	53.4	30 - 130	
1,3-Dibromopropane [2C]	1.860	1.009	54.2	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17	File ID:	031R0101.D
Sampled:	07/09/12 12:23	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 18:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00935	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.870	1.734	92.7	30 - 130	
1,3-Dibromopropane [2C]	1.870	1.657	88.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19	File ID:	032R0101.D
Sampled:	07/10/12 11:17	Prepared:	07/12/12 13:42	Analyzed:	07/13/12 18:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G12018 Sequence: 2G19905 Calibration: 2199002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.874	1.800	96.0	30 - 130	
1,3-Dibromopropane [2C]	1.874	1.703	90.9	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01	File ID:	018R0101.D
Sampled:	07/11/12 10:08	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 19:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.510	0.00943	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.886	1.421	75.4	30 - 130	
1,3-Dibromopropane [2C]	1.886	1.501	79.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03	File ID:	019R0101.D
Sampled:	07/11/12 12:26	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 19:35
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 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	1.357	73.0	30 - 130	
1,3-Dibromopropane [2C]	1.860	1.443	77.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05RE1	File ID:	013F0101.D
Sampled:	07/12/12 10:58	Prepared:	07/19/12 12:32	Analyzed:	07/24/12 14:01
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2G19930 Sequence: 2G20810 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.33	0.0466	0.0932	0.140	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.864	1.902	102	30 - 130	
1,3-Dibromopropane [2C]	1.864	1.836	98.5	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07	File ID:	021R0101.D
Sampled:	07/12/12 13:37	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 20:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.325	0.00930	0.0186	0.0279	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.860	2.212	119	30 - 130	
1,3-Dibromopropane [2C]	1.860	2.326	125	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09	File ID:	022R0101.D
Sampled:	07/12/12 13:31	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 20:39
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.207	0.00937	0.0187	0.0281	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.873	1.389	74.2	30 - 130	
1,3-Dibromopropane [2C]	1.873	1.471	78.5	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11	File ID:	023R0101.D
Sampled:	07/12/12 16:08	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 21:01
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.235	0.00934	0.0187	0.0280	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.867	1.896	102	30 - 130	
1,3-Dibromopropane [2C]	1.867	2.057	110	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13	File ID:	024R0101.D
Sampled:	07/11/12 15:32	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 21:22
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00926	0.0185	0.0278	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.851	1.577	85.2	30 - 130	
1,3-Dibromopropane [2C]	1.851	1.704	92.1	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15	File ID:	025R0101.D
Sampled:	07/10/12 16:12	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 21:43
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0443	0.00936	0.0187	0.0281	Z

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.872	1.187	63.4	30 - 130	
1,3-Dibromopropane [2C]	1.872	1.283	68.5	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15RE1	File ID:	003F0101.D
Sampled:	07/10/12 16:12	Prepared:	07/19/12 12:32	Analyzed:	07/25/12 15:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20912 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0514	0.00936	0.0187	0.0281	H1

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.872	1.380	73.7	30 - 130	H1
1,3-Dibromopropane [2C]	1.872	1.296	69.2	30 - 130	H1

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17	File ID:	027R0101.D
Sampled:	07/12/12 16:05	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 22:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00929	0.0186	0.0279	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.858	1.560	84.0	30 - 130	Y
1,3-Dibromopropane [2C]	1.858	1.665	89.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19	File ID:	028F0101.D
Sampled:	07/12/12 13:04	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 22:48
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 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	2.483	133	30 - 130	*Y
1,3-Dibromopropane [2C]	1.871	2.700	144	30 - 130	*

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21	File ID:	031R0101.D
Sampled:	07/12/12 10:32	Prepared:	07/19/12 12:32	Analyzed:	07/19/12 23:54
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00948	0.0190	0.0284	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.895	1.526	80.5	30 - 130	Y
1,3-Dibromopropane [2C]	1.895	1.617	85.3	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23	File ID:	032R0101.D
Sampled:	07/11/12 15:33	Prepared:	07/19/12 12:32	Analyzed:	07/20/12 00:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 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	1.455	77.7	30 - 130	Y
1,3-Dibromopropane [2C]	1.871	1.562	83.5	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25	File ID:	033F0101.D
Sampled:	07/11/12 15:33	Prepared:	07/19/12 12:32	Analyzed:	07/20/12 00:37
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00938	0.0188	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.876	1.719	91.7	30 - 130	Y
1,3-Dibromopropane [2C]	1.876	1.868	99.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27RE1	File ID:	014F0101.D
Sampled:	07/11/12 09:46	Prepared:	07/19/12 12:32	Analyzed:	07/24/12 14:23
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2G19930 Sequence: 2G20810 Calibration: 2208004 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.07	0.0468	0.0936	0.140	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.872	2.056	110	30 - 130	
1,3-Dibromopropane [2C]	1.872	1.920	103	30 - 130	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G12018	Laboratory ID:	2G12018-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	0.4670	93.4	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4816	96.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G19930	Laboratory ID:	2G19930-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	0.4696	93.9	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4941	98.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G23016	Laboratory ID:	2G23016-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	0.4897	97.9	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5052	101	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G12018

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4628	ND	0.3215	69.5	*	70 - 130
1,2-Dibromoethane [2C]	0.4628	0.02149	0.4260	87.4		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4670	0.3707	79.4	14.2		20	70 - 130
1,2-Dibromoethane [2C]	0.4670	0.4550	92.8	6.57		20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G19930

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4617	ND	0.3094	67.0	*	70 - 130
1,2-Dibromoethane [2C]	0.4617	ND	0.3935	85.2		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4685	0.2878	61.4	7.22	*	20	70 - 130
1,2-Dibromoethane [2C]	0.4685	0.3545	75.7	10.4		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G12018 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0669	1207051-03	07/12/12 13:42	38.22	35.00
GW0670	1207051-05	07/12/12 13:42	37.99	35.00
GW0714	1207051-07	07/12/12 13:42	36.97	35.00
GW0715	1207051-09	07/12/12 13:42	37.89	35.00
GW0716	1207051-11	07/12/12 13:42	38.18	35.00
GW0720	1207051-13	07/12/12 13:42	37.87	35.00
GW0721	1207051-15	07/12/12 13:42	37.64	35.00
GW0722	1207051-17	07/12/12 13:42	37.43	35.00
GW0729	1207051-19	07/12/12 13:42	37.36	35.00
Blank	2G12018-BLK1	07/12/12 13:42	35.00	35.00
LCS	2G12018-BS1	07/12/12 13:42	35.00	35.00
GW0715	2G12018-MS2	07/12/12 13:42	37.81	35.00
GW0715	2G12018-MSD2	07/12/12 13:42	37.47	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G19930 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/19/12 12:32	37.12	35.00
GW0635	1207067-03	07/19/12 12:32	37.64	35.00
GW0644	1207067-05RE1	07/19/12 12:32	37.55	35.00
GW0645	1207067-07	07/19/12 12:32	37.64	35.00
GW0646	1207067-09	07/19/12 12:32	37.37	35.00
GW0647	1207067-11	07/19/12 12:32	37.49	35.00
GW0651	1207067-13	07/19/12 12:32	37.81	35.00
GW0652	1207067-15	07/19/12 12:32	37.39	35.00
GW0652	1207067-15RE1	07/19/12 12:32	37.39	35.00
GW0658	1207067-17	07/19/12 12:32	37.68	35.00
GW0659	1207067-19	07/19/12 12:32	37.41	35.00
GW0660	1207067-21	07/19/12 12:32	36.93	35.00
GW0701	1207067-23	07/19/12 12:32	37.41	35.00
GW0702	1207067-25	07/19/12 12:32	37.32	35.00
GW0727	1207067-27RE1	07/19/12 12:32	37.39	35.00
Blank	2G19930-BLK1	07/19/12 12:32	35.00	35.00
LCS	2G19930-BS1	07/19/12 12:32	35.00	35.00
GW0659	2G19930-MS3	07/19/12 12:32	37.90	35.00
GW0659	2G19930-MSD3	07/19/12 12:32	37.35	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G23016 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01RE2	07/23/12 10:53	37.64	35.00
Blank	2G23016-BLK1	07/23/12 10:53	35.00	35.00
LCS	2G23016-BS1	07/23/12 10:53	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G12018-BLK1	File ID:	010F0101.D
Sampled:		Prepared:	07/12/12 13:42	Analyzed:	07/13/12 10:37
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G12018	Sequence:	2G19905	Calibration:	2199002	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	1.941	97.0	30 - 130	
1,3-Dibromopropane [2C]	2.000	1.747	87.3	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2G19930-BLK1	File ID:	010R0101.D
Sampled:		Prepared:	07/19/12 12:32	Analyzed:	07/19/12 16:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2G19930 Sequence: 2G20701 Calibration: 2206003 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	UY

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	1.748	87.4	30 - 130	
1,3-Dibromopropane [2C]	2.000	1.744	87.2	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_056
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2G23016-BLK1	File ID:	010R0101.D
Sampled:		Prepared:	07/23/12 10:53	Analyzed:	07/24/12 12:54
Solids:		Preparation:	EDB	Dilution:	

Batch: 2G23016 Sequence: 2G20810 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	1.927	96.3	30 - 130	
1,3-Dibromopropane [2C]	2.000	1.786	89.3	30 - 130	

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19903	Instrument:	GL-ECD2
Calibration:	2199002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12G0223	EDB ICAL 1 (0.02ppb)	2G19903-CAL1	002R0101.D	07/13/12 07:47
12G0223	EDB ICAL 1 (0.02ppb)	2G19903-CAL1	002F0101.D	07/13/12 07:47
12G0224	EDB ICAL 2 (0.05ppb)	2G19903-CAL2	003R0101.D	07/13/12 08:08
12G0224	EDB ICAL 2 (0.05ppb)	2G19903-CAL2	003F0101.D	07/13/12 08:08
12G0225	EDB ICAL 3 (0.10ppb)	2G19903-CAL3	004R0101.D	07/13/12 08:29
12G0225	EDB ICAL 3 (0.10ppb)	2G19903-CAL3	004F0101.D	07/13/12 08:29
12G0226	EDB ICAL 4 (0.20ppb)	2G19903-CAL4	005R0101.D	07/13/12 08:50
12G0226	EDB ICAL 4 (0.20ppb)	2G19903-CAL4	005F0101.D	07/13/12 08:50
12G0227	EDB ICAL 5 (0.5ppb)	2G19903-CAL5	006R0101.D	07/13/12 09:12
12G0227	EDB ICAL 5 (0.5ppb)	2G19903-CAL5	006F0101.D	07/13/12 09:12
12G0228	EDB ICAL 6 (1.0ppb)	2G19903-CAL6	007R0101.D	07/13/12 09:33
12G0228	EDB ICAL 6 (1.0ppb)	2G19903-CAL6	007F0101.D	07/13/12 09:33

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20614	Instrument:	GL-ECD2
Calibration:	2206003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12G0429	EDB ICAL 1 (0.02ppb)	2G20614-CAL1	001R0101.D	07/19/12 12:52
12G0429	EDB ICAL 1 (0.02ppb)	2G20614-CAL1	001F0101.D	07/19/12 12:52
12G0430	EDB ICAL 2 (0.05ppb)	2G20614-CAL2	002R0101.D	07/19/12 13:09
12G0430	EDB ICAL 2 (0.05ppb)	2G20614-CAL2	002F0101.D	07/19/12 13:09
12G0431	EDB ICAL 3 (0.10ppb)	2G20614-CAL3	003R0101.D	07/19/12 13:31
12G0431	EDB ICAL 3 (0.10ppb)	2G20614-CAL3	003F0101.D	07/19/12 13:31
12G0432	EDB ICAL 4 (0.20ppb)	2G20614-CAL4	004R0101.D	07/19/12 13:54
12G0432	EDB ICAL 4 (0.20ppb)	2G20614-CAL4	004F0101.D	07/19/12 13:54
12G0433	EDB ICAL 5 (0.5ppb)	2G20614-CAL5	006R0101.D	07/19/12 14:41
12G0433	EDB ICAL 5 (0.5ppb)	2G20614-CAL5	006F0101.D	07/19/12 14:41
12G0434	EDB ICAL 6 (1.0ppb)	2G20614-CAL6	007R0101.D	07/19/12 15:04
12G0434	EDB ICAL 6 (1.0ppb)	2G20614-CAL6	007F0101.D	07/19/12 15:04

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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 DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2199002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/13/12 7:47	7/13/12 9:33

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	296900	0.05	138120	0.1	86540	0.2	61545	0.5	42538	1	38088
1,2-Dibromoethane [2C]	0.02	51300	0.05	38080	0.1	31960	0.2	29260	0.5	28032	1	29006
1,2-Dibromo-3-chloropropane	0.02	211700	0.05	114980	0.1	93420	0.2	74930	0.5	57784	1	53806
1,2-Dibromo-3-chloropropane [2C]	0.02	324250	0.05	164680	0.1	106710	0.2	78850	0.5	57424	1	56028
1,3-Dibromopropane	0.1	15550	0.2	62830	0.5	76100	1	76626	2	71076.5	4	63489.75
1,3-Dibromopropane [2C]	0.1	131000	0.2	130335	0.5	120938	1	112260	2	100310	4	88619.5

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2199002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/13/12 7:47	7/13/12 9:33

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	110621.8	88.8855	2.415833	0.2732234	0.9995212		0.995	
1,2-Dibromoethane [2C]	34606.33	25.87537	2.291	6.416185E-02	0.9993072		0.995	
1,2-Dibromo-3-chloropropane	101103.3	58.14936	8.5255	1.699976E-02	0.9987634		0.995	
1,2-Dibromo-3-chloropropane [2C]	131323.7	78.26795	8.716666	2.498801E-02	0.9980158		0.995	
1,3-Dibromopropane	60945.38	37.76688	5.744667	7.735669E-02		0.9999333	0.995	
1,3-Dibromopropane [2C]	113910.4	14.89058	5.660833	5.887954E-02			20	

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2206003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/19/12_12:52	7/19/12_15:04

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.02	72550	0.05	49840	0.1	35790	0.2	27550	0.5	20928	1	18017
1,2-Dibromoethane [2C]	0.02	35100	0.05	28220	0.1	26080	0.2	25530	0.5	23548	1	22968
1,2-Dibromo-3-chloropropane	0.02	308450	0.05	163480	0.1	99270	0.2	66025	0.5	41602	1	32838
1,2-Dibromo-3-chloropropane [2C]	0.02	310850	0.05	180580	0.1	106410	0.2	70625	0.5	48800	1	42803
1,3-Dibromopropane	0.1	72610	0.2	71665	0.5	67672	1	60909	2	50541	4	43553.5
1,3-Dibromopropane [2C]	0.1	183200	0.2	151395	0.5	124072	1	113260	2	95134	4	84435

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2206003	Instrument:	GL-ECD2
Matrix:	Water	Calibration Dates:	7/19/12 12:52 7/19/12 15:04

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	37445.83	55.20828	2.0665	0.2506411		0.9994032	0.995	
1,2-Dibromoethane [2C]	26907.67	16.47238	1.952333	0.2643038	0.9997989		0.995	
1,2-Dibromo-3-chloropropane	118610.8	88.00445	7.9885	0.1130926		0.998695	0.995	
1,2-Dibromo-3-chloropropane [2C]	126678	81.6393	8.210167	9.550591E-02	0.9979294		0.995	
1,3-Dibromopropane	61158.42	19.43881	5.211667	0.2463607		0.9995169	0.995	
1,3-Dibromopropane [2C]	125249.3	29.35655	5.141667	0.1917947		0.9995832	0.995	

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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_056	
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 CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2199002
Lab File ID:	008F0101.D	Calibration Date:	07/13/12 07:47
Sequence:	2G19903	Injection Date:	07/13/12
Lab Sample ID:	2G19903-ICV1	Injection Time:	09:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5025	110621.8	43504		0.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.4948	34606.33	28756		-1.0	20
1,3-Dibromopropane	Q	2.000	1.956	60945.38	70156		-2.2	20
1,3-Dibromopropane [2C]	A	2.000	1.746	113910.4	99452.5		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2206003
Lab File ID:	008F0101.D	Calibration Date:	07/19/12 21:52
Sequence:	2G20614	Injection Date:	07/19/12
Lab Sample ID:	2G20614-ICV1	Injection Time:	15:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4722	37445.83	20356		-5.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.4861	26907.67	22770		-2.8	20
1,3-Dibromopropane	Q	2.000	1.872	61158.42	48943		-6.4	20
1,3-Dibromopropane [2C]	Q	2.000	1.890	125249.3	92476		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2199002
Lab File ID:	009F0101.D	Calibration Date:	07/13/12 07:47
Sequence:	2G19905	Injection Date:	07/13/12
Lab Sample ID:	2G19905-CCV1	Injection Time:	10:16

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5056	110621.8	43708		1.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.4854	34606.33	28220		-2.9	20
1,3-Dibromopropane	Q	2.000	2.060	60945.38	73413		3.0	20
1,3-Dibromopropane [2C]	A	2.000	1.816	113910.4	103437		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2199002
Lab File ID:	024F0101.D	Calibration Date:	07/13/12 07:47
Sequence:	2G19905	Injection Date:	07/13/12
Lab Sample ID:	2G19905-CCV2	Injection Time:	15:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4597	110621.8	40714		-8.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.4899	34606.33	28478		-2.0	20
1,3-Dibromopropane	Q	2.000	1.996	60945.38	71409		-0.2	20
1,3-Dibromopropane [2C]	A	2.000	1.821	113910.4	103700.5		-9.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2199002
Lab File ID:	033F0101.D	Calibration Date:	07/13/12 07:47
Sequence:	2G19905	Injection Date:	07/13/12
Lab Sample ID:	2G19905-CCV3	Injection Time:	18:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4346	110621.8	39074		-13.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.4958	34606.33	28816		-0.8	20
1,3-Dibromopropane	Q	2.000	1.874	60945.38	67578		-6.3	20
1,3-Dibromopropane [2C]	A	2.000	1.780	113910.4	101378		-11.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2206003
Lab File ID:	009F0101.D	Calibration Date:	07/19/12 21:52
Sequence:	2G20701	Injection Date:	07/19/12
Lab Sample ID:	2G20701-CCV1	Injection Time:	15:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4648	37445.83	20112		-7.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.4790	26907.67	22446		-4.2	20
1,3-Dibromopropane	Q	2.000	1.792	61158.42	47278		-10.4	20
1,3-Dibromopropane [2C]	Q	2.000	1.808	125249.3	89167.5		-9.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2206003
Lab File ID:	026F0101.D	Calibration Date:	07/19/12 21:52
Sequence:	2G20701	Injection Date:	07/19/12
Lab Sample ID:	2G20701-CCV2	Injection Time:	22:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.3939	37445.83	17734		-21.2	20 *
1,2-Dibromoethane [2C]	L	0.5000	0.4891	26907.67	22906		-2.2	20
1,3-Dibromopropane	Q	2.000	1.629	61158.42	43815		-18.6	20
1,3-Dibromopropane [2C]	Q	2.000	1.747	125249.3	86679.5		-12.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2206003
Lab File ID:	035F0101.D	Calibration Date:	07/19/12 21:52
Sequence:	2G20701	Injection Date:	07/20/12
Lab Sample ID:	2G20701-CCV3	Injection Time:	01:21

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.3714	37445.83	16960		-25.7	20 *
1,2-Dibromoethane [2C]	L	0.5000	0.4677	26907.67	21934		-6.5	20
1,3-Dibromopropane	Q	2.000	1.578	61158.42	42722.5		-21.1	20 *
1,3-Dibromopropane [2C]	Q	2.000	1.695	125249.3	84524.5		-15.2	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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	009F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2G20810	Injection Date:	07/24/12
Lab Sample ID:	2G20810-CCV1	Injection Time:	12:32

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5046	23915	15912		0.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5069	42508	33330		1.4	20
1,3-Dibromopropane	A	2.000	1.881	36719.83	34542.5		-5.9	20
1,3-Dibromopropane [2C]	A	2.000	1.744	125348.6	109273.5		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	015F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2G20810	Injection Date:	07/24/12
Lab Sample ID:	2G20810-CCV2	Injection Time:	14:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4838	23915	15324		-3.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.4802	42508	31670		-4.0	20
1,3-Dibromopropane	A	2.000	1.853	36719.83	34029.5		-7.3	20
1,3-Dibromopropane [2C]	A	2.000	1.721	125348.6	107854		-14.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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:	2G20912	Injection Date:	07/25/12
Lab Sample ID:	2G20912-CCV1	Injection Time:	14:43

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5058	23915	15944		1.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5050	42508	33212		1.0	20
1,3-Dibromopropane	A	2.000	1.895	36719.83	34790.5		-5.3	20
1,3-Dibromopropane [2C]	A	2.000	1.774	125348.6	111206.5		-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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2208004
Lab File ID:	004F0101.D	Calibration Date:	07/24/12 09:58
Sequence:	2G20912	Injection Date:	07/25/12
Lab Sample ID:	2G20912-CCV2	Injection Time:	15:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5121	23915	16122		2.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5125	42508	33678		2.5	20
1,3-Dibromopropane	A	2.000	1.876	36719.83	34450.5		-6.2	20
1,3-Dibromopropane [2C]	A	2.000	1.763	125348.6	110512		-11.8	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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19905	Instrument:	GL-ECD2
		Calibration:	2199002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G19905-CCV1) ug/L				Lab File ID: 009F0101.D		Analyzed: 07/13/12 10:16		
1,3-Dibromopropane	2.000	103	80 - 120	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	90.8	80 - 120	5.656	5.656	0.0000	+/-0.030	
Blank (2G12018-BLK1) ug/L				Lab File ID: 010F0101.D		Analyzed: 07/13/12 10:37		
1,3-Dibromopropane	2.000	97.0	30 - 130	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	87.3	30 - 130	5.656	5.656	0.0000	+/-0.030	
LCS (2G12018-BS1) ug/L				Lab File ID: 011F0101.D		Analyzed: 07/13/12 10:59		
1,3-Dibromopropane	2.000	103	30 - 130	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	92.2	30 - 130	5.656	5.656	0.0000	+/-0.030	
GW0669 (1207051-03) ug/L				Lab File ID: 021F0101.D		Analyzed: 07/13/12 14:35		
1,3-Dibromopropane	1.832	58.8	30 - 130	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.832	57.4	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0670 (1207051-05) ug/L				Lab File ID: 022F0101.D		Analyzed: 07/13/12 14:56		
1,3-Dibromopropane	1.843	76.6	30 - 130	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.843	72.1	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0714 (1207051-07) ug/L				Lab File ID: 023F0101.D		Analyzed: 07/13/12 15:18		
1,3-Dibromopropane	1.893	92.8	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.893	87.5	30 - 130	5.65	5.656	-0.0060	+/-0.030	
Calibration Check (2G19905-CCV2) ug/L				Lab File ID: 024F0101.D		Analyzed: 07/13/12 15:40		
1,3-Dibromopropane	2.000	99.8	80 - 120	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	2.000	91.0	80 - 120	5.65	5.656	-0.0060	+/-0.030	
GW0715 (1207051-09) ug/L				Lab File ID: 025F0101.D		Analyzed: 07/13/12 16:02		
1,3-Dibromopropane	1.847	51.9	30 - 130	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.847	51.9	30 - 130	5.65	5.656	-0.0060	+/-0.030	
Matrix Spike (2G12018-MS2) ug/L				Lab File ID: 026F0101.D		Analyzed: 07/13/12 16:23		
1,3-Dibromopropane	1.851	65.2	30 - 130	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.851	63.6	30 - 130	5.653	5.656	-0.0030	+/-0.030	
Matrix Spike Dup (2G12018-MSD2) ug/L				Lab File ID: 027F0101.D		Analyzed: 07/13/12 16:45		
1,3-Dibromopropane	1.868	68.7	30 - 130	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.868	66.7	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0716 (1207051-11) ug/L				Lab File ID: 028F0101.D		Analyzed: 07/13/12 17:06		
1,3-Dibromopropane	1.833	85.6	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.833	81.3	30 - 130	5.653	5.656	-0.0030	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19905	Instrument:	GL-ECD2
		Calibration:	2199002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0720 (1207051-13) ug/L				Lab File ID: 029F0101.D		Analyzed: 07/13/12 17:28		
1,3-Dibromopropane	1.848	65.3	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.848	64.5	30 - 130	5.653	5.656	-0.0030	+/-0.030	
GW0721 (1207051-15) ug/L				Lab File ID: 030F0101.D		Analyzed: 07/13/12 17:50		
1,3-Dibromopropane	1.860	53.4	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.860	54.2	30 - 130	5.653	5.656	-0.0030	+/-0.030	
GW0722 (1207051-17) ug/L				Lab File ID: 031F0101.D		Analyzed: 07/13/12 18:11		
1,3-Dibromopropane	1.870	92.7	30 - 130	5.736	5.74	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.870	88.6	30 - 130	5.653	5.656	-0.0030	+/-0.030	
GW0729 (1207051-19) ug/L				Lab File ID: 032F0101.D		Analyzed: 07/13/12 18:32		
1,3-Dibromopropane	1.874	96.0	30 - 130	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.874	90.9	30 - 130	5.656	5.656	0.0000	+/-0.030	
Calibration Check (2G19905-CCV3) ug/L				Lab File ID: 033F0101.D		Analyzed: 07/13/12 18:54		
1,3-Dibromopropane	2.000	93.7	80 - 120	5.74	5.74	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	89.0	80 - 120	5.656	5.656	0.0000	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20701	Instrument:	GL-ECD2
		Calibration:	2206003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20701-CCV1) ug/L				Lab File ID: 009F0101.D		Analyzed: 07/19/12 15:51		
1,3-Dibromopropane	2.000	89.6	80 - 120	5.203	5.203	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	90.4	80 - 120	5.136	5.136	0.0000	+/-0.030	
Blank (2G19930-BLK1) ug/L				Lab File ID: 010F0101.D		Analyzed: 07/19/12 16:15		
1,3-Dibromopropane	2.000	87.4	30 - 130	5.2	5.203	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	87.2	30 - 130	5.133	5.136	-0.0030	+/-0.030	
LCS (2G19930-BS1) ug/L				Lab File ID: 011F0101.D		Analyzed: 07/19/12 16:38		
1,3-Dibromopropane	2.000	91.7	30 - 130	5.203	5.203	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	92.9	30 - 130	5.136	5.136	0.0000	+/-0.030	
GW0630 (1207067-01) ug/L				Lab File ID: 018F0101.D		Analyzed: 07/19/12 19:13		
1,3-Dibromopropane	1.886	75.4	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.886	79.6	30 - 130	5.146	5.136	0.0100	+/-0.030	
GW0635 (1207067-03) ug/L				Lab File ID: 019F0101.D		Analyzed: 07/19/12 19:35		
1,3-Dibromopropane	1.860	73.0	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.860	77.6	30 - 130	5.15	5.136	0.0140	+/-0.030	
GW0645 (1207067-07) ug/L				Lab File ID: 021F0101.D		Analyzed: 07/19/12 20:18		
1,3-Dibromopropane	1.860	119	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.860	125	30 - 130	5.15	5.136	0.0140	+/-0.030	
GW0646 (1207067-09) ug/L				Lab File ID: 022F0101.D		Analyzed: 07/19/12 20:39		
1,3-Dibromopropane	1.873	74.2	30 - 130	5.213	5.203	0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.873	78.5	30 - 130	5.15	5.136	0.0140	+/-0.030	
GW0647 (1207067-11) ug/L				Lab File ID: 023F0101.D		Analyzed: 07/19/12 21:01		
1,3-Dibromopropane	1.867	102	30 - 130	5.213	5.203	0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.867	110	30 - 130	5.153	5.136	0.0170	+/-0.030	
GW0651 (1207067-13) ug/L				Lab File ID: 024F0101.D		Analyzed: 07/19/12 21:22		
1,3-Dibromopropane	1.851	85.2	30 - 130	5.216	5.203	0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.851	92.1	30 - 130	5.156	5.136	0.0200	+/-0.030	
GW0652 (1207067-15) ug/L				Lab File ID: 025F0101.D		Analyzed: 07/19/12 21:43		
1,3-Dibromopropane	1.872	63.4	30 - 130	5.216	5.203	0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.872	68.5	30 - 130	5.156	5.136	0.0200	+/-0.030	
Calibration Check (2G20701-CCV2) ug/L				Lab File ID: 026F0101.D		Analyzed: 07/19/12 22:05		
1,3-Dibromopropane	2.000	81.4	80 - 120	5.216	5.203	0.0130	+/-0.030	
1,3-Dibromopropane [2C]	2.000	87.4	80 - 120	5.153	5.136	0.0170	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20701	Instrument:	GL-ECD2
		Calibration:	2206003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0658 (1207067-17) ug/L				Lab File ID: 027F0101.D		Analyzed: 07/19/12 22:27		
1,3-Dibromopropane	1.858	84.0	30 - 130	5.213	5.203	0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.858	89.6	30 - 130	5.153	5.136	0.0170	+/-0.030	
GW0659 (1207067-19) ug/L				Lab File ID: 028F0101.D		Analyzed: 07/19/12 22:48		
1,3-Dibromopropane	1.871	133	30 - 130	5.213	5.203	0.0100	+/-0.030	*
1,3-Dibromopropane [2C]	1.871	144	30 - 130	5.15	5.136	0.0140	+/-0.030	*
Matrix Spike (2G19930-MS3) ug/L				Lab File ID: 029F0101.D		Analyzed: 07/19/12 23:10		
1,3-Dibromopropane	1.847	69.9	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.847	74.6	30 - 130	5.15	5.136	0.0140	+/-0.030	
Matrix Spike Dup (2G19930-MSD3) ug/L				Lab File ID: 030F0101.D		Analyzed: 07/19/12 23:32		
1,3-Dibromopropane	1.874	62.7	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.874	67.1	30 - 130	5.15	5.136	0.0140	+/-0.030	
GW0660 (1207067-21) ug/L				Lab File ID: 031F0101.D		Analyzed: 07/19/12 23:54		
1,3-Dibromopropane	1.895	80.5	30 - 130	5.213	5.203	0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.895	85.3	30 - 130	5.15	5.136	0.0140	+/-0.030	
GW0701 (1207067-23) ug/L				Lab File ID: 032F0101.D		Analyzed: 07/20/12 00:16		
1,3-Dibromopropane	1.871	77.7	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.871	83.5	30 - 130	5.15	5.136	0.0140	+/-0.030	
GW0702 (1207067-25) ug/L				Lab File ID: 033F0101.D		Analyzed: 07/20/12 00:37		
1,3-Dibromopropane	1.876	91.7	30 - 130	5.21	5.203	0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.876	99.6	30 - 130	5.15	5.136	0.0140	+/-0.030	
Calibration Check (2G20701-CCV3) ug/L				Lab File ID: 035F0101.D		Analyzed: 07/20/12 01:21		
1,3-Dibromopropane	2.000	78.9	80 - 120	5.21	5.203	0.0070	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	84.8	80 - 120	5.15	5.136	0.0140	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20810	Instrument:	GL-ECD2
		Calibration:	2208004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20810-CCV1) ug/L				Lab File ID: 009F0101.D		Analyzed: 07/24/12 12:32		
1,3-Dibromopropane	2.000	94.0	80 - 120	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	87.2	80 - 120	5.646	5.646	0.0000	+/-0.030	
Blank (2G23016-BLK1) ug/L				Lab File ID: 010F0101.D		Analyzed: 07/24/12 12:54		
1,3-Dibromopropane	2.000	96.3	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	89.3	30 - 130	5.646	5.646	0.0000	+/-0.030	
LCS (2G23016-BS1) ug/L				Lab File ID: 011F0101.D		Analyzed: 07/24/12 13:16		
1,3-Dibromopropane	2.000	96.0	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	88.8	30 - 130	5.646	5.646	0.0000	+/-0.030	
GW0668 (1207051-01RE2) ug/L				Lab File ID: 012F0101.D		Analyzed: 07/24/12 13:38		
1,3-Dibromopropane	1.860	81.7	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.860	75.1	30 - 130	5.646	5.646	0.0000	+/-0.030	
GW0644 (1207067-05RE1) ug/L				Lab File ID: 013F0101.D		Analyzed: 07/24/12 14:01		
1,3-Dibromopropane	1.864	102	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.864	98.5	30 - 130	5.646	5.646	0.0000	+/-0.030	
GW0727 (1207067-27RE1) ug/L				Lab File ID: 014F0101.D		Analyzed: 07/24/12 14:23		
1,3-Dibromopropane	1.872	110	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.872	103	30 - 130	5.646	5.646	0.0000	+/-0.030	
Calibration Check (2G20810-CCV2) ug/L				Lab File ID: 015F0101.D		Analyzed: 07/24/12 14:46		
1,3-Dibromopropane	2.000	92.6	80 - 120	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	86.0	80 - 120	5.646	5.646	0.0000	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20912	Instrument:	GL-ECD2
		Calibration:	2208004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2G20912-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 07/25/12 14:43		
1,3-Dibromopropane	2.000	94.8	80 - 120	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	88.7	80 - 120	5.646	5.646	0.0000	+/-0.030	
GW0652 (1207067-15RE1) ug/L				Lab File ID: 003F0101.D		Analyzed: 07/25/12 15:05		
1,3-Dibromopropane	1.872	73.7	30 - 130	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.872	69.2	30 - 130	5.646	5.646	0.0000	+/-0.030	
Calibration Check (2G20912-CCV2) ug/L				Lab File ID: 004F0101.D		Analyzed: 07/25/12 15:27		
1,3-Dibromopropane	2.000	93.8	80 - 120	5.733	5.733	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	88.2	80 - 120	5.646	5.646	0.0000	+/-0.030	

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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
GW0668	07/10/12 12:54	07/11/12 08:25	07/23/12 10:53	N/A	14.00	07/24/12 13:38	13.99	14.00	
GW0669	07/10/12 12:54	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 14:35	3.03	14.00	
GW0670	07/10/12 10:54	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 14:56	3.13	14.00	
GW0714	07/09/12 16:41	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 15:18	3.90	14.00	
GW0715	07/09/12 14:21	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 16:02	4.03	14.00	
GW0716	07/09/12 11:55	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 17:06	4.17	14.00	
GW0720	07/09/12 16:53	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 17:28	3.98	14.00	
GW0721	07/09/12 14:41	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 17:50	4.09	14.00	
GW0722	07/09/12 12:23	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 18:11	4.20	14.00	
GW0729	07/10/12 11:17	07/11/12 08:25	07/12/12 13:42	N/A	14.00	07/13/12 18:32	3.26	14.00	
GW0630	07/11/12 10:08	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 19:13	8.34	14.00	
GW0635	07/11/12 12:26	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 19:35	8.26	14.00	
GW0644	07/12/12 10:58	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/24/12 14:01	12.09	14.00	
GW0645	07/12/12 13:37	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 20:18	7.24	14.00	
GW0646	07/12/12 13:31	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 20:39	7.26	14.00	
GW0647	07/12/12 16:08	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 21:01	7.16	14.00	
GW0651	07/11/12 15:32	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 21:22	8.20	14.00	
GW0652	07/10/12 16:12	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 21:43	9.19	14.00	
GW0652	07/10/12 16:12	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/25/12 15:05	14.91	14.00	
GW0658	07/12/12 16:05	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 22:27	7.22	14.00	
GW0659	07/12/12 13:04	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 22:48	7.36	14.00	
GW0660	07/12/12 10:32	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/19/12 23:54	7.52	14.00	
GW0701	07/11/12 15:33	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/20/12 00:16	8.32	14.00	
GW0702	07/11/12 15:33	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/20/12 00:37	8.34	14.00	

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

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
GW0727	07/11/12 09:46	07/13/12 08:30	07/19/12 12:32	N/A	14.00	07/24/12 14:23	13.15	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G12018-BS1	File ID:	011F0101.D
Sampled:		Prepared:		Analyzed:	07/13/12 10:59
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G12018	Sequence:	2G19905	Calibration:	2199002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4670	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.070	103	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G12018-BS1	File ID:	011R0101.D
Sampled:		Prepared:		Analyzed:	07/13/12 10:59
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G12018	Sequence:	2G19905	Calibration:	2199002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4816	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	1.843	92.2	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G12018-MS2
File ID: 026F0101.D
Sampled:
Prepared:
Analyzed: 07/13/12 16:23
Solids:
Preparation: EDB
Dilution:
Batch: 2G12018
Sequence: 2G19905
Calibration: 2199002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3215	0.00926	0.0185	0.0278	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.851	1.208	65.2	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G12018-MS2	File ID:	026R0101.D
Sampled:		Prepared:		Analyzed:	07/13/12 16:23
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G12018	Sequence:	2G19905	Calibration:	2199002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4260	0.00926	0.0185	0.0278	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.851	1.177	63.6	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G12018-MSD2	File ID:	027F0101.D
Sampled:		Prepared:		Analyzed:	07/13/12 16:45
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G12018	Sequence:	2G19905	Calibration:	2199002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3707	0.00934	0.0187	0.0280	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.868	1.283	68.7	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G12018-MSD2	File ID:	027R0101.D
Sampled:		Prepared:		Analyzed:	07/13/12 16:45
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G12018	Sequence:	2G19905	Calibration:	2199002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4550	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	1.246	66.7	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G19930-BS1
File ID: 011F0101.D
Sampled:
Prepared:
Analyzed: 07/19/12 16:38
Solids:
Preparation: EDB
Dilution:
Batch: 2G19930
Sequence: 2G20701
Calibration: 2206003
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4696	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	1.834	91.7	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G19930-BS1	File ID:	011R0101.D
Sampled:		Prepared:		Analyzed:	07/19/12 16:38
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G19930	Sequence:	2G20701	Calibration:	2206003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4941	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	1.859	92.9	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_056	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2G19930-MS3	File ID:	029F0101.D
Sampled:		Prepared:		Analyzed:	07/19/12 23:10
Solids:		Preparation:	EDB	Dilution:	
Batch:	2G19930	Sequence:	2G20701	Calibration:	2206003
Instrument:	GL-ECD2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3094	0.00923	0.0185	0.0277	Y

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.847	1.290	69.9	30 - 130	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2G19930-MS3
File ID: 029R0101.D
Sampled:
Prepared:
Analyzed: 07/19/12 23:10
Solids:
Preparation: EDB
Dilution:
Batch: 2G19930
Sequence: 2G20701
Calibration: 2206003
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.3935	0.00923	0.0185	0.0277	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.847	1.377	74.6	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G19930-MSD3	File ID:	030F0101.D
Sampled:		Prepared:		Analyzed:	07/19/12 23:32
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G19930	Sequence:	2G20701	Calibration:	2206003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.2878	0.00937	0.0187	0.0281	Y

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.874	1.175	62.7	30 - 130	Y

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G19930-MSD3	File ID:	030R0101.D
Sampled:		Prepared:		Analyzed:	07/19/12 23:32
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G19930	Sequence:	2G20701	Calibration:	2206003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.3545	0.00937	0.0187	0.0281	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.874	1.257	67.1	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G23016-BS1	File ID:	011F0101.D
Sampled:		Prepared:		Analyzed:	07/24/12 13:16
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G23016	Sequence:	2G20810	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4897	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	1.919	96.0	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2G23016-BS1	File ID:	011R0101.D
Sampled:		Prepared:		Analyzed:	07/24/12 13:16
Solids:		Preparation:	EDB	Dilution:	

Batch:	2G23016	Sequence:	2G20810	Calibration:	2208004	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5052	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	1.776	88.8	30 - 130	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0669

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207051-03 Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.153	
	2	2.29	2.26	2.32	0.176	14

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0714

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207051-07

Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.672	
	2	2.29	2.26	2.32	0.788	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0720

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207051-13

Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.179	
	2	2.29	2.26	2.32	0.214	18

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0721

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207051-15

Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.175	
	2	2.29	2.26	2.32	0.213	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G12018-BS1 Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.4670	
	2	2.29	2.26	2.32	0.4816	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G12018-MS2 Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.3215	
	2	2.29	2.26	2.32	0.4260	28

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G12018-MSD2 Date(s) Analyzed: 07/13/2012 07/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.3707	
	2	2.29	2.26	2.32	0.4550	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0630

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-01

Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.417	
	2	1.96	1.92	1.98	0.510	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0644

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-05RE1 Date(s) Analyzed: 07/24/2012 07/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	1.33	
	2	2.28	2.25	2.31	1.18	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0645

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-07 Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.239	
	2	1.96	1.92	1.98	0.325	31

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0646

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-09 Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.139	
	2	1.96	1.92	1.98	0.207	39

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0647

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-11 Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.183	
	2	1.96	1.92	1.98	0.235	25

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0652

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-15RE1 Date(s) Analyzed: 07/25/2012 07/25/2012

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	0.0514	
	2	2.28	2.25	2.31	0.0397	26

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0727

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207067-27RE1 Date(s) Analyzed: 07/24/2012 07/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	1.07	
	2	2.28	2.25	2.31	1.06	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G19930-BS1 Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.4696	
	2	1.95	1.92	1.98	0.4941	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G19930-MS3

Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.3094	
	2	1.96	1.92	1.98	0.3935	24

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G19930-MSD3 Date(s) Analyzed: 07/19/2012 07/19/2012

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	2.07	2.04	2.10	0.2878	
	2	1.96	1.92	1.98	0.3545	21

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0668

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1207051-01RE2 Date(s) Analyzed: 07/24/2012 07/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.240	
	2	2.28	2.25	2.31	0.238	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2G23016-BS1 Date(s) Analyzed: 07/24/2012 07/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.39	2.45	0.4897	
	2	2.28	2.25	2.31	0.5052	3

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01
Sampled:	07/10/12 12:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	69200	1000	2000	5000	1		SW6010B	2G12010	07/16/12 13:45
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 13:45
7439-95-4	Magnesium	8690	1000	3000	5000	1		SW6010B	2G12010	07/16/12 13:45
7440-09-7	Potassium	3240	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 13:45
7440-23-5	Sodium	30300	1000	3000	5000	1		SW6010B	2G12010	07/16/12 13:45

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-02
Sampled:	07/10/12 12:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 15:00
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	UE	SW6010B	2G12015	07/12/12 15:00

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03
Sampled:	07/10/12 12:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	70400	1000	2000	5000	1		SW6010B	2G12010	07/16/12 13:50
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 13:50
7439-95-4	Magnesium	8830	1000	3000	5000	1		SW6010B	2G12010	07/16/12 13:50
7440-09-7	Potassium	3280	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 13:50
7440-23-5	Sodium	30800	1000	3000	5000	1		SW6010B	2G12010	07/16/12 13:50

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-04
Sampled:	07/10/12 12:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 15:05
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	UE	SW6010B	2G12015	07/12/12 15:05

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05
Sampled:	07/10/12 10:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42400	1000	2000	5000	1		SW6010B	2G12010	07/16/12 13:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 13:55
7439-95-4	Magnesium	5350	1000	3000	5000	1		SW6010B	2G12010	07/16/12 13:55
7440-09-7	Potassium	2370	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 13:55
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	2G12010	07/16/12 13:55

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-06
Sampled:	07/10/12 10:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 15:09
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	UE	SW6010B	2G12015	07/12/12 15:09

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07
Sampled:	07/09/12 16:41	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	61400	1000	2000	5000	1		SW6010B	2G12010	07/16/12 14:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 14:00
7439-95-4	Magnesium	8390	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:00
7440-09-7	Potassium	2680	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 14:00
7440-23-5	Sodium	28400	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:00

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-08
Sampled:	07/09/12 16:41	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	515	30.0	60.0	100	1		SW6010B	2G12015	07/12/12 15:13
7439-96-5	Manganese (dissolved)	1240	3.00	6.00	15.0	1	E	SW6010B	2G12015	07/12/12 15:13

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09
Sampled:	07/09/12 14:21	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	91700	1000	2000	5000	1		SW6010B	2G12010	07/16/12 14:05
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 14:05
7439-95-4	Magnesium	11900	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:05
7440-09-7	Potassium	3110	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 14:05
7440-23-5	Sodium	33800	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:05

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-10
Sampled:	07/09/12 14:21	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	345	30.0	60.0	100	1		SW6010B	2G12015	07/12/12 15:31
7439-96-5	Manganese (dissolved)	1130	3.00	6.00	15.0	1	E	SW6010B	2G12015	07/12/12 15:31

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11
Sampled:	07/09/12 11:55	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33700	1000	2000	5000	1		SW6010B	2G12010	07/16/12 14:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 14:30
7439-95-4	Magnesium	4280	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 14:30
7440-09-7	Potassium	1970	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 14:30
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:30

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-12
Sampled:	07/09/12 11:55	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 15:50
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	UE	SW6010B	2G12015	07/12/12 15:50

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13
Sampled:	07/09/12 16:53	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	48300	1000	2000	5000	1		SW6010B	2G12010	07/16/12 14:35
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 14:35
7439-95-4	Magnesium	6130	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:35
7440-09-7	Potassium	2330	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 14:35
7440-23-5	Sodium	25800	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:35

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-14
Sampled:	07/09/12 16:53	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 15:55
7439-96-5	Manganese (dissolved)	4.39	3.00	6.00	15.0	1	JE	SW6010B	2G12015	07/12/12 15:55

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15
Sampled:	07/09/12 14:41	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46900	1000	2000	5000	1		SW6010B	2G12010	07/16/12 14:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12010	07/16/12 14:40
7439-95-4	Magnesium	5960	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:40
7440-09-7	Potassium	2340	1000	3000	5000	1	J	SW6010B	2G12010	07/16/12 14:40
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2G12010	07/16/12 14:40

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-16
Sampled:	07/09/12 14:41	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 15:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	UE	SW6010B	2G12015	07/12/12 15:59

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17
Sampled:	07/09/12 12:23	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36500	1000	2000	5000	1		SW6010B	2G12011	07/16/12 14:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12011	07/16/12 14:57
7439-95-4	Magnesium	4690	1000	3000	5000	1	J	SW6010B	2G12011	07/16/12 14:57
7440-09-7	Potassium	2050	1000	3000	5000	1	J	SW6010B	2G12011	07/16/12 14:57
7440-23-5	Sodium	23400	1000	3000	5000	1		SW6010B	2G12011	07/16/12 14:57

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-18
Sampled:	07/09/12 12:23	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 16:03
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	UE	SW6010B	2G12015	07/12/12 16:03

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19
Sampled:	07/10/12 11:17	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33600	1000	2000	5000	1		SW6010B	2G12011	07/16/12 15:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G12011	07/16/12 15:02
7439-95-4	Magnesium	4370	1000	3000	5000	1	J	SW6010B	2G12011	07/16/12 15:02
7440-09-7	Potassium	1930	1000	3000	5000	1	J	SW6010B	2G12011	07/16/12 15:02
7440-23-5	Sodium	21700	1000	3000	5000	1		SW6010B	2G12011	07/16/12 15:02

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-20
Sampled:	07/10/12 11:17	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G12015	07/12/12 16:08
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2G12015	07/12/12 16:08

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01
Sampled:	07/11/12 10:08	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	52900	1000	2000	5000	1		SW6010B	2G17012	07/18/12 15:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17012	07/18/12 15:30
7439-95-4	Magnesium	7760	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:30
7440-09-7	Potassium	2550	1000	3000	5000	1	J	SW6010B	2G17012	07/18/12 15:30
7440-23-5	Sodium	24800	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:30

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-02
Sampled:	07/11/12 10:08	Received:	07/13/12 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)	668	30.0	60.0	100	1		SW6010B	2G27003	07/27/12 12:22
7439-96-5	Manganese (dissolved)	360	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:22

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03
Sampled:	07/11/12 12:26	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	71400	1000	2000	5000	1		SW6010B	2G17012	07/18/12 15:34
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17012	07/18/12 15:34
7439-95-4	Magnesium	9790	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:34
7440-09-7	Potassium	2860	1000	3000	5000	1	J	SW6010B	2G17012	07/18/12 15:34
7440-23-5	Sodium	30300	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:34

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-04
Sampled:	07/11/12 12:26	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 12:27
7439-96-5	Manganese (dissolved)	17.5	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:27

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05
Sampled:	07/12/12 10:58	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45500	1000	2000	5000	1		SW6010B	2G17012	07/18/12 15:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17012	07/18/12 15:39
7439-95-4	Magnesium	6130	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:39
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	2G17012	07/18/12 15:39
7440-23-5	Sodium	25400	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:39

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-06
Sampled:	07/12/12 10:58	Received:	07/13/12 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)	32.0	30.0	60.0	100	1	J	SW6010B	2G27003	07/27/12 12:31
7439-96-5	Manganese (dissolved)	167	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:31

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07
Sampled:	07/12/12 13:37	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39700	1000	2000	5000	1		SW6010B	2G17012	07/18/12 15:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17012	07/18/12 15:43
7439-95-4	Magnesium	5790	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:43
7440-09-7	Potassium	2220	1000	3000	5000	1	J	SW6010B	2G17012	07/18/12 15:43
7440-23-5	Sodium	23800	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:43

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-08
Sampled:	07/12/12 13:37	Received:	07/13/12 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)	199	30.0	60.0	100	1		SW6010B	2G27003	07/27/12 12:36
7439-96-5	Manganese (dissolved)	813	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:36

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09
Sampled:	07/12/12 13:31	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39900	1000	2000	5000	1		SW6010B	2G17012	07/18/12 15:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17012	07/18/12 15:48
7439-95-4	Magnesium	5840	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:48
7440-09-7	Potassium	2250	1000	3000	5000	1	J	SW6010B	2G17012	07/18/12 15:48
7440-23-5	Sodium	23700	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:48

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-10
Sampled:	07/12/12 13:31	Received:	07/13/12 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)	200	30.0	60.0	100	1		SW6010B	2G27003	07/27/12 12:40
7439-96-5	Manganese (dissolved)	811	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:40

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11
Sampled:	07/12/12 16:08	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46000	1000	2000	5000	1		SW6010B	2G17012	07/18/12 15:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17012	07/18/12 15:52
7439-95-4	Magnesium	6100	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:52
7440-09-7	Potassium	2330	1000	3000	5000	1	J	SW6010B	2G17012	07/18/12 15:52
7440-23-5	Sodium	25700	1000	3000	5000	1		SW6010B	2G17012	07/18/12 15:52

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-12
Sampled:	07/12/12 16:08	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 12:45
7439-96-5	Manganese (dissolved)	106	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:45

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13
Sampled:	07/11/12 15:32	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	69900	1000	2000	5000	1		SW6010B	2G17014	07/18/12 11:25
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 11:25
7439-95-4	Magnesium	18000	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:25
7440-09-7	Potassium	3310	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 11:25
7440-23-5	Sodium	35500	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:25

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-14
Sampled:	07/11/12 15:32	Received:	07/13/12 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)	297	30.0	60.0	100	1		SW6010B	2G27003	07/27/12 12:49
7439-96-5	Manganese (dissolved)	248	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 12:49

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15
Sampled:	07/10/12 16:12	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	40100	1000	2000	5000	1		SW6010B	2G17014	07/18/12 11:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 11:30
7439-95-4	Magnesium	5350	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:30
7440-09-7	Potassium	2370	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 11:30
7440-23-5	Sodium	23000	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:30

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-16
Sampled:	07/10/12 16:12	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 12:54
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2G27003	07/27/12 12:54

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17
Sampled:	07/12/12 16:05	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47200	1000	2000	5000	1		SW6010B	2G17014	07/18/12 11:34
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 11:34
7439-95-4	Magnesium	6320	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:34
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 11:34
7440-23-5	Sodium	21100	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:34

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-18
Sampled:	07/12/12 16:05	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 12:58
7439-96-5	Manganese (dissolved)	3.48	3.00	6.00	15.0	1	J	SW6010B	2G27003	07/27/12 12:58

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19
Sampled:	07/12/12 13:04	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	84000	1000	2000	5000	1		SW6010B	2G17014	07/18/12 11:38
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 11:38
7439-95-4	Magnesium	12000	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:38
7440-09-7	Potassium	3150	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 11:38
7440-23-5	Sodium	29400	1000	3000	5000	1		SW6010B	2G17014	07/18/12 11:38

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-20
Sampled:	07/12/12 13:04	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 13:03
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2G27003	07/27/12 13:03

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21
Sampled:	07/12/12 10:32	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	86400	1000	2000	5000	1		SW6010B	2G17014	07/18/12 12:01
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 12:01
7439-95-4	Magnesium	12100	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:01
7440-09-7	Potassium	3290	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 12:01
7440-23-5	Sodium	30300	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:01

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-22
Sampled:	07/12/12 10:32	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 13:34
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2G27003	07/27/12 13:34

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23
Sampled:	07/11/12 15:33	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38800	1000	2000	5000	1		SW6010B	2G17014	07/18/12 12:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 12:06
7439-95-4	Magnesium	5060	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:06
7440-09-7	Potassium	2180	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 12:06
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:06

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-24
Sampled:	07/11/12 15:33	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 13:38
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2G27003	07/27/12 13:38

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25
Sampled:	07/11/12 15:33	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37500	1000	2000	5000	1		SW6010B	2G17014	07/18/12 12:10
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 12:10
7439-95-4	Magnesium	4890	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 12:10
7440-09-7	Potassium	2110	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 12:10
7440-23-5	Sodium	22300	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:10

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-26
Sampled:	07/11/12 15:33	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2G27003	07/27/12 13:43
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2G27003	07/27/12 13:43

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27
Sampled:	07/11/12 09:46	Received:	07/13/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	56200	1000	2000	5000	1		SW6010B	2G17014	07/18/12 12:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2G17014	07/18/12 12:14
7439-95-4	Magnesium	8230	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:14
7440-09-7	Potassium	2710	1000	3000	5000	1	J	SW6010B	2G17014	07/18/12 12:14
7440-23-5	Sodium	27200	1000	3000	5000	1		SW6010B	2G17014	07/18/12 12:14

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-28
Sampled:	07/11/12 09:46	Received:	07/13/12 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)	1530	30.0	60.0	100	1		SW6010B	2G27003	07/27/12 13:47
7439-96-5	Manganese (dissolved)	1010	3.00	6.00	15.0	1		SW6010B	2G27003	07/27/12 13:47

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2199001
Sequence: 2G19508

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G19508-ICV1	Iron (dissolved)	10000	10780	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1035	103	ug/L	+/- 10.00%
2G19508-CCV1	Iron (dissolved)	10000	11000	110	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1053	105	ug/L	+/- 10.00%
2G19508-CCV4	Iron (dissolved)	10000	10440	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1025	102	ug/L	+/- 10.00%
2G19508-CCV5	Iron (dissolved)	10000	10470	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1043	104	ug/L	+/- 10.00%
2G19508-CCV6	Iron (dissolved)	10000	10440	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1033	103	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2201002
Sequence: 2G20101

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20101-ICV1	Calcium	50000	51490	103	ug/L	+/- 10.00%
	Lead	1000	967.7	96.8	ug/L	+/- 10.00%
	Magnesium	50000	49360	98.7	ug/L	+/- 10.00%
	Potassium	10000	9942	99.4	ug/L	+/- 10.00%
	Sodium	50000	51790	104	ug/L	+/- 10.00%
2G20101-CCV1	Calcium	50000	51530	103	ug/L	+/- 10.00%
	Lead	1000	973.4	97.3	ug/L	+/- 10.00%
	Magnesium	50000	49800	99.6	ug/L	+/- 10.00%
	Potassium	10000	9919	99.2	ug/L	+/- 10.00%
	Sodium	50000	51610	103	ug/L	+/- 10.00%
2G20101-CCV2	Calcium	50000	52630	105	ug/L	+/- 10.00%
	Lead	1000	970.8	97.1	ug/L	+/- 10.00%
	Magnesium	50000	51170	102	ug/L	+/- 10.00%
	Potassium	10000	10190	102	ug/L	+/- 10.00%
	Sodium	50000	52050	104	ug/L	+/- 10.00%
2G20101-CCV5	Calcium	50000	50830	102	ug/L	+/- 10.00%
	Lead	1000	974.8	97.5	ug/L	+/- 10.00%
	Magnesium	50000	49350	98.7	ug/L	+/- 10.00%
	Potassium	10000	9841	98.4	ug/L	+/- 10.00%
	Sodium	50000	51240	102	ug/L	+/- 10.00%
2G20101-CCV6	Calcium	50000	51960	104	ug/L	+/- 10.00%
	Lead	1000	971.4	97.1	ug/L	+/- 10.00%
	Magnesium	50000	50250	100	ug/L	+/- 10.00%
	Potassium	10000	10290	103	ug/L	+/- 10.00%
	Sodium	50000	52030	104	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_056
Project: Kirtland AFB 2011
Calibration: 2201006
Sequence: 2G20115

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20115-ICV1	Calcium	50000	52290	105	ug/L	+/- 10.00%
	Lead	1000	947.9	94.8	ug/L	+/- 10.00%
	Magnesium	50000	49030	98.1	ug/L	+/- 10.00%
	Potassium	10000	9791	97.9	ug/L	+/- 10.00%
	Sodium	50000	51510	103	ug/L	+/- 10.00%
2G20115-CCV1	Calcium	50000	52100	104	ug/L	+/- 10.00%
	Lead	1000	918.8	91.9	ug/L	+/- 10.00%
	Magnesium	50000	48450	96.9	ug/L	+/- 10.00%
	Potassium	10000	9944	99.4	ug/L	+/- 10.00%
	Sodium	50000	51760	104	ug/L	+/- 10.00%
2G20115-CCV2	Calcium	50000	51340	103	ug/L	+/- 10.00%
	Lead	1000	997.7	99.8	ug/L	+/- 10.00%
	Magnesium	50000	48890	97.8	ug/L	+/- 10.00%
	Potassium	10000	9646	96.5	ug/L	+/- 10.00%
	Sodium	50000	50980	102	ug/L	+/- 10.00%
2G20115-CCV3	Calcium	50000	52420	105	ug/L	+/- 10.00%
	Lead	1000	935.5	93.5	ug/L	+/- 10.00%
	Magnesium	50000	48940	97.9	ug/L	+/- 10.00%
	Potassium	10000	9891	98.9	ug/L	+/- 10.00%
	Sodium	50000	51900	104	ug/L	+/- 10.00%
2G20115-CCV4	Calcium	50000	52600	105	ug/L	+/- 10.00%
	Lead	1000	946.5	94.6	ug/L	+/- 10.00%
	Magnesium	50000	49470	98.9	ug/L	+/- 10.00%
	Potassium	10000	9896	99.0	ug/L	+/- 10.00%
	Sodium	50000	51950	104	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_056
Project: Kirtland AFB 2011
Calibration: 2212001
Sequence: 2G20911

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20911-ICV1	Iron (dissolved)	10000	10530	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1060	106	ug/L	+/- 10.00%
2G20911-CCV1	Iron (dissolved)	10000	10370	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1052	105	ug/L	+/- 10.00%
2G20911-CCV2	Iron (dissolved)	10000	10510	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1052	105	ug/L	+/- 10.00%
2G20911-CCV3	Iron (dissolved)	10000	10670	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1058	106	ug/L	+/- 10.00%
2G20911-CCV4	Iron (dissolved)	10000	10820	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1068	107	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2199001

Sequence: 2G19508

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G19508-CRL1	Iron (dissolved)	60.00	67.84	113	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.486	108	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2201002

Sequence: 2G20101

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G20101-CRL1	Calcium	2000	2154	108	ug/L	80 - 120
	Lead	3.000	3.001	100	ug/L	80 - 120
	Magnesium	3000	3093	103	ug/L	80 - 120
	Potassium	3000	2959	98.6	ug/L	80 - 120
	Sodium	3000	3143	105	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2201006

Sequence: 2G20115

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G20115-CRL1	Calcium	2000	2070	103	ug/L	80 - 120
	Lead	3.000	2.915	97.2	ug/L	80 - 120
	Magnesium	3000	2943	98.1	ug/L	80 - 120
	Potassium	3000	2934	97.8	ug/L	80 - 120
	Sodium	3000	3015	100	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2212001

Sequence: 2G20911

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G20911-CRL1	Iron (dissolved)	60.00	63.90	106	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.465	108	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2G19508
Calibration: 2199001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G19508-ICB1	Iron (dissolved)	2.564	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.008560	3.00	15.0	ug/L	U	SW6010B
2G19508-CCB1	Iron (dissolved)	1.59	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0749	3.00	15.0	ug/L	U	SW6010B
2G19508-CCB4	Iron (dissolved)	0.936	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.199	3.00	15.0	ug/L	U	SW6010B
2G12015-BLK1	Iron (dissolved)	2.07	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.104	3.00	15.0	ug/L	U	SW6010B
2G19508-CCB5	Iron (dissolved)	0.452	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0540	3.00	15.0	ug/L	U	SW6010B
2G19508-CCB6	Iron (dissolved)	0.720	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.111	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2G20101
Calibration: 2201002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20101-ICB1	Calcium	-2.240	1000	5000	ug/L	U	SW6010B
	Lead	-0.3698	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.960	1000	5000	ug/L	U	SW6010B
	Potassium	6.020	1000	5000	ug/L	U	SW6010B
	Sodium	19.74	1000	5000	ug/L	U	SW6010B
2G20101-CCB1	Calcium	-2.73	1000	5000	ug/L	U	SW6010B
	Lead	0.465	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.97	1000	5000	ug/L	U	SW6010B
	Potassium	-16.4	1000	5000	ug/L	U	SW6010B
	Sodium	15.0	1000	5000	ug/L	U	SW6010B
2G17014-BLK1	Calcium	6.54	1000	5000	ug/L	U	SW6010B
	Lead	-0.0982	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.09	1000	5000	ug/L	U	SW6010B
	Potassium	-6.94	1000	5000	ug/L	U	SW6010B
	Sodium	23.1	1000	5000	ug/L	U	SW6010B
2G20101-CCB2	Calcium	-1.52	1000	5000	ug/L	U	SW6010B
	Lead	-0.0402	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.54	1000	5000	ug/L	U	SW6010B
	Potassium	-0.430	1000	5000	ug/L	U	SW6010B
	Sodium	10.4	1000	5000	ug/L	U	SW6010B
2G20101-CCB5	Calcium	-0.360	1000	5000	ug/L	U	SW6010B
	Lead	-0.129	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.52	1000	5000	ug/L	U	SW6010B
	Potassium	4.86	1000	5000	ug/L	U	SW6010B
	Sodium	22.2	1000	5000	ug/L	U	SW6010B
2G17012-BLK1	Calcium	292	1000	5000	ug/L	U	SW6010B
	Lead	0.533	1.50	3.00	ug/L	U	SW6010B
	Magnesium	23.3	1000	5000	ug/L	U	SW6010B
	Potassium	-2.99	1000	5000	ug/L	U	SW6010B
	Sodium	38.5	1000	5000	ug/L	U	SW6010B
2G20101-CCB6	Calcium	3.40	1000	5000	ug/L	U	SW6010B
	Lead	0.0170	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-6.37	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2G20101
Calibration: 2201002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20101-CCB6	Potassium	4.16	1000	5000	ug/L	U	SW6010B
	Sodium	28.6	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2G20115
Calibration: 2201006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20115-ICB1	Calcium	-0.2000	1000	5000	ug/L	U	SW6010B
	Lead	0.2598	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.3200	1000	5000	ug/L	U	SW6010B
	Potassium	16.72	1000	5000	ug/L	U	SW6010B
	Sodium	12.14	1000	5000	ug/L	U	SW6010B
2G20115-CCB1	Calcium	0.280	1000	5000	ug/L	U	SW6010B
	Lead	0.282	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.90	1000	5000	ug/L	U	SW6010B
	Potassium	0.850	1000	5000	ug/L	U	SW6010B
	Sodium	13.0	1000	5000	ug/L	U	SW6010B
2G12010-BLK1	Calcium	9.31	1000	5000	ug/L	U	SW6010B
	Lead	-0.607	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.39	1000	5000	ug/L	U	SW6010B
	Potassium	16.4	1000	5000	ug/L	U	SW6010B
	Sodium	17.0	1000	5000	ug/L	U	SW6010B
2G20115-CCB2	Calcium	2.18	1000	5000	ug/L	U	SW6010B
	Lead	0.702	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.310	1000	5000	ug/L	U	SW6010B
	Potassium	4.68	1000	5000	ug/L	U	SW6010B
	Sodium	32.9	1000	5000	ug/L	U	SW6010B
2G12011-BLK1	Calcium	9.21	1000	5000	ug/L	U	SW6010B
	Lead	0.834	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.80	1000	5000	ug/L	U	SW6010B
	Potassium	8.89	1000	5000	ug/L	U	SW6010B
	Sodium	16.8	1000	5000	ug/L	U	SW6010B
2G20115-CCB3	Calcium	-1.32	1000	5000	ug/L	U	SW6010B
	Lead	0.0396	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.44	1000	5000	ug/L	U	SW6010B
	Potassium	0.100	1000	5000	ug/L	U	SW6010B
	Sodium	13.2	1000	5000	ug/L	U	SW6010B
2G20115-CCB4	Calcium	6.10	1000	5000	ug/L	U	SW6010B
	Lead	0.164	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.64	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2G20115
Calibration: 2201006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20115-CCB4	Potassium	8.14	1000	5000	ug/L	U	SW6010B
	Sodium	19.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2G20911
Calibration: 2212001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20911-ICB1	Iron (dissolved)	1.595	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.01950	3.00	15.0	ug/L	U	SW6010B
2G20911-CCB1	Iron (dissolved)	0.662	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0152	3.00	15.0	ug/L	U	SW6010B
2G20911-CCB2	Iron (dissolved)	-2.03	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.00899	3.00	15.0	ug/L	U	SW6010B
2G27003-BLK1	Iron (dissolved)	-1.53	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.00793	3.00	15.0	ug/L	U	SW6010B
2G20911-CCB3	Iron (dissolved)	-0.966	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.148	3.00	15.0	ug/L	U	SW6010B
2G20911-CCB4	Iron (dissolved)	-0.960	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.287	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2199001

Sequence: 2G19508

Lab Sample ID	Analyte	True	Found	%R	Units
2G19508-IFA1	Iron (dissolved)	200000	198,210.00	99.1	ug/L
	Manganese (dissolved)		-5.14		ug/L
2G19508-IFB1	Iron (dissolved)	200000	211,450.00	106	ug/L
	Manganese (dissolved)	500.0	490.73	98.1	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2201002
Sequence: 2G20101

Lab Sample ID	Analyte	True	Found	%R	Units
2G20101-IFA1	Calcium	500000	492,450.00	98.5	ug/L
	Lead		4.93		ug/L
	Magnesium	500000	496,870.00	99.4	ug/L
	Potassium		-10.24		ug/L
	Sodium		74.92		ug/L
2G20101-IFB1	Calcium	500000	490,640.00	98.1	ug/L
	Lead	50.00	55.61	111	ug/L
	Magnesium	500000	493,170.00	98.6	ug/L
	Potassium		0.05		ug/L
	Sodium		64.36		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2201006
Sequence: 2G20115

Lab Sample ID	Analyte	True	Found	%R	Units
2G20115-IFA1	Calcium	500000	494,230.00	98.8	ug/L
	Lead		1.19		ug/L
	Magnesium	500000	480,080.00	96.0	ug/L
	Potassium		-110.32		ug/L
	Sodium		60.94		ug/L
2G20115-IFB1	Calcium	500000	497,440.00	99.5	ug/L
	Lead	50.00	47.05	94.1	ug/L
	Magnesium	500000	485,410.00	97.1	ug/L
	Potassium		-128.67		ug/L
	Sodium		63.05		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2212001

Sequence: 2G20911

Lab Sample ID	Analyte	True	Found	%R	Units
2G20911-IFA1	Iron (dissolved)	200000	205,400.00	103	ug/L
	Manganese (dissolved)		-4.65		ug/L
2G20911-IFB1	Iron (dissolved)	200000	207,510.00	104	ug/L
	Manganese (dissolved)	500.0	494.01	98.8	ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G12010

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	91670	100700	180	4x	80 - 120
Lead	250.0	ND	251.9	101		80 - 120
Magnesium	5000	11920	17360	109		80 - 120
Potassium	5000	3111	8331	104		80 - 120
Sodium	5000	33850	40480	133	4x	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	101400	194	0.713	4x	20	80 - 120
Lead	250.0	247.0	98.8	1.95		20	80 - 120
Magnesium	5000	17450	111	0.511		20	80 - 120
Potassium	5000	8288	104	0.516		20	80 - 120
Sodium	5000	40710	137	0.564	4x	20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0729

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G12011

% Solids:

Source Sample Name: **1207051-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	33630	38980	107		80 - 120
Lead	250.0	ND	240.8	96.3		80 - 120
Magnesium	5000	4372	9305	98.6		80 - 120
Potassium	5000	1933	6848	98.3		80 - 120
Sodium	5000	21720	26900	104		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	39210	112	0.588		20	80 - 120
Lead	250.0	246.2	98.5	2.24		20	80 - 120
Magnesium	5000	9420	101	1.24		20	80 - 120
Potassium	5000	6888	99.1	0.579		20	80 - 120
Sodium	5000	27000	106	0.356		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G12015

% Solids:

Source Sample Name: **1207051-10**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	345.0	1433	109		80 - 120
Manganese (dissolved)	500.0	1128	1626	99.6		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1456	111	1.64		20	80 - 120
Manganese (dissolved)	500.0	1641	103	0.943		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G17014

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	84020	90340	126	4x	80 - 120
Lead	250.0	ND	253.8	102		80 - 120
Magnesium	5000	12040	17200	103		80 - 120
Potassium	5000	3153	8337	104		80 - 120
Sodium	5000	29360	34890	111		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	91230	144	0.981	4x	20	80 - 120
Lead	250.0	252.6	101	0.482		20	80 - 120
Magnesium	5000	17410	107	1.21		20	80 - 120
Potassium	5000	8432	106	1.12		20	80 - 120
Sodium	5000	35110	115	0.640		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G27003

% Solids:

Source Sample Name: **1207067-20**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1077	108		80 - 120
Manganese (dissolved)	500.0	ND	528.4	106		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1099	110	2.02		20	80 - 120
Manganese (dissolved)	500.0	537.0	107	1.61		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0715

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2G12010-PS1
Batch: 2G12010
Lab Source ID: 1207051-09
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	**95370**	**91670**	**5000**	**74.1**	**80 - 120**
Lead	**241.1**	**ND**	**312.5**	**77.4**	**80 - 120**
Magnesium	16670	11920	5000	95.1	80 - 120
Potassium	8195	3111	5000	102	80 - 120
Sodium	38610	33850	5000	95.3	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0729

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2G12011-PS1
Batch: 2G12011
Lab Source ID: 1207051-19
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	38780	33630	5000	103	80 - 120
Lead	**243.5**	**ND**	**312.5**	**78.2**	**80 - 120**
Magnesium	9391	4372	5000	100	80 - 120
Potassium	6894	1933	5000	99.2	80 - 120
Sodium	26760	21720	5000	101	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0659

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2G17014-PS1
Batch: 2G17014
Lab Source ID: 1207067-19
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	88970	84020	5000	98.9	80 - 120
Lead	**245.6**	**ND**	**312.5**	**78.9**	**80 - 120**
Magnesium	17130	12040	5000	102	80 - 120
Potassium	8254	3153	5000	102	80 - 120
Sodium	34380	29360	5000	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G12010	Laboratory ID:	2G12010-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	5374	107	80 - 120
Lead	250.0	245.1	98.1	80 - 120
Magnesium	5000	4960	99.2	80 - 120
Potassium	5000	4662	93.2	80 - 120
Sodium	5000	5091	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G12011	Laboratory ID:	2G12011-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	5411	108	80 - 120
Lead	250.0	241.8	96.7	80 - 120
Magnesium	5000	4956	99.1	80 - 120
Potassium	5000	4825	96.5	80 - 120
Sodium	5000	5178	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G12015	Laboratory ID:	2G12015-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	1092	109	80 - 120
Manganese (dissolved)	500.0	519.6	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17012	Laboratory ID:	2G17012-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	5196	104	80 - 120
Lead	250.0	239.8	95.9	80 - 120
Magnesium	5000	4789	95.8	80 - 120
Potassium	5000	4574	91.5	80 - 120
Sodium	5000	4910	98.2	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17014	Laboratory ID:	2G17014-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	5220	104	80 - 120
Lead	250.0	244.8	97.9	80 - 120
Magnesium	5000	4944	98.9	80 - 120
Potassium	5000	4818	96.4	80 - 120
Sodium	5000	5044	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G27003	Laboratory ID:	2G27003-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	1090	109	80 - 120
Manganese (dissolved)	500.0	543.4	109	80 - 120

SERIAL DILUTION

SW6010B

GW0715

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2G20115
Preparation: MET_3005A

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G12010-DUP1
Lab Source ID: 1207051-09
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	91670	94005	2.55		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	11918	12383	3.9		SW6010B	10.00
Potassium	3110.9	ND			SW6010B	10.00
Sodium	33847	34156	0.911		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0729

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2G20115
Preparation: MET_3005A

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G12011-DUP1
Lab Source ID: 1207051-19
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	33634	34171	1.6		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	4372.4	ND			SW6010B	10.00
Potassium	1933	ND			SW6010B	10.00
Sodium	21716	21864	0.682		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0715

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2G19508
Preparation: MET_3005A

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G12015-DUP2
Lab Source ID: 1207051-10
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)	344.98	384.26	11.4		SW6010B	10.00
Manganese (dissolved)	1128	1247.4	10.6	E	SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0659

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2G20101
Preparation: MET_3005A

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G17014-DUP1
Lab Source ID: 1207067-19
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	84023	85335	1.56		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	12040	12483	3.68		SW6010B	10.00
Potassium	3152.9	ND			SW6010B	10.00
Sodium	29360	29428	0.232		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0659

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2G20911
Preparation: MET_3005A

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G27003-DUP1
Lab Source ID: 1207067-20
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_056

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
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
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
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

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_056

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
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
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
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

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_056

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
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
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
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

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_056

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
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
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
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

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_056

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
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
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
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

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_056

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				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	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_056

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
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G12010 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/12/12 09:12	50.00	50.00
GW0669	1207051-03	07/12/12 09:12	50.00	50.00
GW0670	1207051-05	07/12/12 09:12	50.00	50.00
GW0714	1207051-07	07/12/12 09:12	50.00	50.00
GW0715	1207051-09	07/12/12 09:12	50.00	50.00
GW0716	1207051-11	07/12/12 09:12	50.00	50.00
GW0720	1207051-13	07/12/12 09:12	50.00	50.00
GW0721	1207051-15	07/12/12 09:12	50.00	50.00
Blank	2G12010-BLK1	07/12/12 09:12	50.00	50.00
LCS	2G12010-BS1	07/12/12 09:12	50.00	50.00
GW0715	2G12010-DUP1	07/12/12 09:12	50.00	50.00
GW0715	2G12010-MS1	07/12/12 09:12	50.00	50.00
GW0715	2G12010-MSD1	07/12/12 09:12	50.00	50.00
GW0715	2G12010-PS1	07/12/12 09:12	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G12011 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0722	1207051-17	07/12/12 09:16	50.00	50.00
GW0729	1207051-19	07/12/12 09:16	50.00	50.00
Blank	2G12011-BLK1	07/12/12 09:16	50.00	50.00
LCS	2G12011-BS1	07/12/12 09:16	50.00	50.00
GW0729	2G12011-DUP1	07/12/12 09:16	50.00	50.00
GW0729	2G12011-MS1	07/12/12 09:16	50.00	50.00
GW0729	2G12011-MSD1	07/12/12 09:16	50.00	50.00
GW0729	2G12011-PS1	07/12/12 09:16	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G12015 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-02	07/12/12 10:07	50.00	50.00
GW0669	1207051-04	07/12/12 10:07	50.00	50.00
GW0670	1207051-06	07/12/12 10:07	50.00	50.00
GW0714	1207051-08	07/12/12 10:07	50.00	50.00
GW0715	1207051-10	07/12/12 10:07	50.00	50.00
GW0716	1207051-12	07/12/12 10:07	50.00	50.00
GW0720	1207051-14	07/12/12 10:07	50.00	50.00
GW0721	1207051-16	07/12/12 10:07	50.00	50.00
GW0722	1207051-18	07/12/12 10:07	50.00	50.00
GW0729	1207051-20	07/12/12 10:07	50.00	50.00
Blank	2G12015-BLK1	07/12/12 10:07	50.00	50.00
LCS	2G12015-BS1	07/12/12 10:07	50.00	50.00
GW0715	2G12015-DUP2	07/12/12 10:07	50.00	50.00
GW0715	2G12015-MS2	07/12/12 10:07	50.00	50.00
GW0715	2G12015-MSD2	07/12/12 10:07	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17012 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/17/12 09:52	50.00	50.00
GW0635	1207067-03	07/17/12 09:52	50.00	50.00
GW0644	1207067-05	07/17/12 09:52	50.00	50.00
GW0645	1207067-07	07/17/12 09:52	50.00	50.00
GW0646	1207067-09	07/17/12 09:52	50.00	50.00
GW0647	1207067-11	07/17/12 09:52	50.00	50.00
Blank	2G17012-BLK1	07/17/12 09:52	50.00	50.00
LCS	2G17012-BS1	07/17/12 09:52	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0651	1207067-13	07/17/12 09:56	50.00	50.00
GW0652	1207067-15	07/17/12 09:56	50.00	50.00
GW0658	1207067-17	07/17/12 09:56	50.00	50.00
GW0659	1207067-19	07/17/12 09:56	50.00	50.00
GW0660	1207067-21	07/17/12 09:56	50.00	50.00
GW0701	1207067-23	07/17/12 09:56	50.00	50.00
GW0702	1207067-25	07/17/12 09:56	50.00	50.00
GW0727	1207067-27	07/17/12 09:56	50.00	50.00
Blank	2G17014-BLK1	07/17/12 09:56	50.00	50.00
LCS	2G17014-BS1	07/17/12 09:56	50.00	50.00
GW0659	2G17014-DUP1	07/17/12 09:56	50.00	50.00
GW0659	2G17014-MS1	07/17/12 09:56	50.00	50.00
GW0659	2G17014-MSD1	07/17/12 09:56	50.00	50.00
GW0659	2G17014-PS1	07/17/12 09:56	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G27003 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-02	07/27/12 08:44	50.00	50.00
GW0635	1207067-04	07/27/12 08:44	50.00	50.00
GW0644	1207067-06	07/27/12 08:44	50.00	50.00
GW0645	1207067-08	07/27/12 08:44	50.00	50.00
GW0646	1207067-10	07/27/12 08:44	50.00	50.00
GW0647	1207067-12	07/27/12 08:44	50.00	50.00
GW0651	1207067-14	07/27/12 08:44	50.00	50.00
GW0652	1207067-16	07/27/12 08:44	50.00	50.00
GW0658	1207067-18	07/27/12 08:44	50.00	50.00
GW0659	1207067-20	07/27/12 08:44	50.00	50.00
GW0660	1207067-22	07/27/12 08:44	50.00	50.00
GW0701	1207067-24	07/27/12 08:44	50.00	50.00
GW0702	1207067-26	07/27/12 08:44	50.00	50.00
GW0727	1207067-28	07/27/12 08:44	50.00	50.00
Blank	2G27003-BLK1	07/27/12 08:44	50.00	50.00
LCS	2G27003-BS1	07/27/12 08:44	50.00	50.00
GW0659	2G27003-DUP1	07/27/12 08:44	50.00	50.00
GW0659	2G27003-MS1	07/27/12 08:44	50.00	50.00
GW0659	2G27003-MSD1	07/27/12 08:44	50.00	50.00

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19508	Instrument:	ME-ICP
Calibration:	2199001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G19508-CAL1	071212A-001	07/12/12 08:55
Cal Standard	2G19508-CAL2	071212A-002	07/12/12 08:59
Cal Standard	2G19508-CAL3	071212A-003	07/12/12 09:03
Cal Standard	2G19508-CAL4	071212A-004	07/12/12 09:07
Cal Standard	2G19508-CAL5	071212A-005	07/12/12 09:12
Cal Standard	2G19508-CAL6	071212A-006	07/12/12 09:17
Initial Cal Check	2G19508-ICV1	071212B-001	07/12/12 09:58
Initial Cal Blank	2G19508-ICB1	071212B-002	07/12/12 10:05
Instrument RL Check	2G19508-CRL1	071212B-003	07/12/12 10:10
Interference Check A	2G19508-IFA1	071212B-009	07/12/12 10:44
Interference Check B	2G19508-IFB1	071212B-010	07/12/12 10:49
Calibration Check	2G19508-CCV1	071212B-012	07/12/12 11:00
Calibration Blank	2G19508-CCB1	071212B-013	07/12/12 11:07
Calibration Check	2G19508-CCV4	071212C-019	07/12/12 13:56
Calibration Blank	2G19508-CCB4	071212C-020	07/12/12 14:04
Blank	2G12015-BLK1	071212C-021	07/12/12 14:08
LCS	2G12015-BS1	071212C-022	07/12/12 14:13
GW0668	1207051-02	071212C-032	07/12/12 15:00
GW0669	1207051-04	071212C-033	07/12/12 15:05
GW0670	1207051-06	071212C-034	07/12/12 15:09
GW0714	1207051-08	071212C-035	07/12/12 15:13
Calibration Check	2G19508-CCV5	071212C-036	07/12/12 15:19
Calibration Blank	2G19508-CCB5	071212C-037	07/12/12 15:26
GW0715	1207051-10	071212C-038	07/12/12 15:31
GW0715	2G12015-MS2	071212C-039	07/12/12 15:35
GW0715	2G12015-MSD2	071212C-040	07/12/12 15:40
GW0715	2G12015-DUP2	071212C-041	07/12/12 15:46
GW0716	1207051-12	071212C-042	07/12/12 15:50
GW0720	1207051-14	071212C-043	07/12/12 15:55
GW0721	1207051-16	071212C-044	07/12/12 15:59
GW0722	1207051-18	071212C-045	07/12/12 16:03
GW0729	1207051-20	071212C-046	07/12/12 16:08

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19508	Instrument:	ME-ICP
Calibration:	2199001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G19508-CCV6	071212C-047	07/12/12 16:13
Calibration Blank	2G19508-CCB6	071212C-048	07/12/12 16:21

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20101	Instrument:	ME-ICP
Calibration:	2201002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20101-CAL1	071812A-001	07/18/12 09:15
Cal Standard	2G20101-CAL2	071812A-002	07/18/12 09:19
Cal Standard	2G20101-CAL3	071812A-003	07/18/12 09:23
Cal Standard	2G20101-CAL5	071812A-005	07/18/12 09:32
Cal Standard	2G20101-CAL6	071812A-006	07/18/12 09:37
Cal Standard	2G20101-CAL7	071812A-007	07/18/12 09:43
Cal Standard	2G20101-CAL8	071812A-008	07/18/12 09:48
Initial Cal Check	2G20101-ICV1	071812B-001	07/18/12 10:20
Initial Cal Blank	2G20101-ICB1	071812B-002	07/18/12 10:27
Instrument RL Check	2G20101-CRL1	071812B-003	07/18/12 10:32
Interference Check A	2G20101-IFA1	071812B-006	07/18/12 10:46
Interference Check B	2G20101-IFB1	071812B-007	07/18/12 10:51
Calibration Check	2G20101-CCV1	071812B-009	07/18/12 11:02
Calibration Blank	2G20101-CCB1	071812B-010	07/18/12 11:10
Blank	2G17014-BLK1	071812B-011	07/18/12 11:14
LCS	2G17014-BS1	071812B-012	07/18/12 11:19
GW0651	1207067-13	071812B-013	07/18/12 11:25
GW0652	1207067-15	071812B-014	07/18/12 11:30
GW0658	1207067-17	071812B-015	07/18/12 11:34
GW0659	1207067-19	071812B-016	07/18/12 11:38
GW0659	2G17014-MS1	071812B-017	07/18/12 11:43
GW0659	2G17014-MSD1	071812B-018	07/18/12 11:47
GW0659	2G17014-PS1	071812B-019	07/18/12 11:51
GW0659	2G17014-DUP1	071812B-020	07/18/12 11:57
GW0660	1207067-21	071812B-021	07/18/12 12:01
GW0701	1207067-23	071812B-022	07/18/12 12:06
GW0702	1207067-25	071812B-023	07/18/12 12:10
GW0727	1207067-27	071812B-024	07/18/12 12:14
Calibration Check	2G20101-CCV2	071812B-026	07/18/12 12:24
Calibration Blank	2G20101-CCB2	071812B-027	07/18/12 12:32
Calibration Check	2G20101-CCV5	071812B-057	07/18/12 15:04
Calibration Blank	2G20101-CCB5	071812B-058	07/18/12 15:11

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20101	Instrument:	ME-ICP
Calibration:	2201002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2G17012-BLK1	071812C-001	07/18/12 15:19
LCS	2G17012-BS1	071812C-002	07/18/12 15:23
GW0630	1207067-01	071812C-003	07/18/12 15:30
GW0635	1207067-03	071812C-004	07/18/12 15:34
GW0644	1207067-05	071812C-005	07/18/12 15:39
GW0645	1207067-07	071812C-006	07/18/12 15:43
GW0646	1207067-09	071812C-007	07/18/12 15:48
GW0647	1207067-11	071812C-008	07/18/12 15:52
Calibration Check	2G20101-CCV6	071812C-013	07/18/12 16:16
Calibration Blank	2G20101-CCB6	071812C-014	07/18/12 16:23

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20115	Instrument:	ME-ICP
Calibration:	2201006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20115-CAL1	071612A-001	07/16/12 09:57
Cal Standard	2G20115-CAL5	071612A-005	07/16/12 10:14
Cal Standard	2G20115-CAL6	071612A-006	07/16/12 10:19
Cal Standard	2G20115-CAL7	071612A-007	07/16/12 10:25
Cal Standard	2G20115-CAL8	071612A-008	07/16/12 10:29
Cal Standard	2G20115-CAL2	071612A-009	07/16/12 10:35
Cal Standard	2G20115-CAL3	071612A-010	07/16/12 10:39
Initial Cal Check	2G20115-ICV1	071612B1-001	07/16/12 11:37
Initial Cal Blank	2G20115-ICB1	071612B1-002	07/16/12 11:44
Instrument RL Check	2G20115-CRL1	071612B1-003	07/16/12 11:48
Interference Check A	2G20115-IFA1	071612B1-005	07/16/12 11:58
Interference Check B	2G20115-IFB1	071612B1-006	07/16/12 12:03
Calibration Check	2G20115-CCV1	071612B1-008	07/16/12 12:14
Calibration Blank	2G20115-CCB1	071612B1-009	07/16/12 12:21
Blank	2G12010-BLK1	071612B1-010	07/16/12 12:26
LCS	2G12010-BS1	071612B1-011	07/16/12 12:31
Calibration Check	2G20115-CCV2	071612B1-022	07/16/12 13:23
Calibration Blank	2G20115-CCB2	071612B1-023	07/16/12 13:31
GW0668	1207051-01	071612B1-026	07/16/12 13:45
GW0669	1207051-03	071612B1-027	07/16/12 13:50
GW0670	1207051-05	071612B1-028	07/16/12 13:55
GW0714	1207051-07	071612B1-029	07/16/12 14:00
GW0715	1207051-09	071612B1-030	07/16/12 14:05
GW0715	2G12010-MS1	071612B1-031	07/16/12 14:10
GW0715	2G12010-MSD1	071612B1-032	07/16/12 14:15
GW0715	2G12010-PS1	071612B1-033	07/16/12 14:20
GW0715	2G12010-DUP1	071612B1-034	07/16/12 14:25
GW0716	1207051-11	071612B1-035	07/16/12 14:30
GW0720	1207051-13	071612B1-036	07/16/12 14:35
GW0721	1207051-15	071612B1-037	07/16/12 14:40
Calibration Check	2G20115-CCV3	071612B1-038	07/16/12 14:45
Blank	2G12011-BLK1	071612C1-001	07/16/12 14:47

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20115	Instrument:	ME-ICP
Calibration:	2201006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2G12011-BS1	071612C1-002	07/16/12 14:52
Calibration Blank	2G20115-CCB3	071612B1-039	07/16/12 14:52
GW0722	1207051-17	071612C1-003	07/16/12 14:57
GW0729	1207051-19	071612C1-004	07/16/12 15:02
GW0729	2G12011-MS1	071612C1-005	07/16/12 15:07
GW0729	2G12011-MSD1	071612C1-006	07/16/12 15:12
GW0729	2G12011-PS1	071612C1-007	07/16/12 15:17
GW0729	2G12011-DUP1	071612C1-008	07/16/12 15:23
Calibration Check	2G20115-CCV4	071612C1-010	07/16/12 15:37
Calibration Blank	2G20115-CCB4	071612C1-011	07/16/12 15:44

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20911	Instrument:	ME-ICP
Calibration:	2212001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20911-CAL1	072712A-001	07/27/12 09:12
Cal Standard	2G20911-CAL2	072712A-002	07/27/12 09:16
Cal Standard	2G20911-CAL3	072712A-003	07/27/12 09:20
Cal Standard	2G20911-CAL4	072712A-004	07/27/12 09:24
Cal Standard	2G20911-CAL5	072712A-005	07/27/12 09:29
Cal Standard	2G20911-CAL6	072712A-006	07/27/12 09:34
Initial Cal Check	2G20911-ICV1	072712B-001	07/27/12 10:12
Initial Cal Blank	2G20911-ICB1	072712B-002	07/27/12 10:20
Instrument RL Check	2G20911-CRL1	072712B-003	07/27/12 10:24
Interference Check A	2G20911-IFA1	072712B-006	07/27/12 10:39
Interference Check B	2G20911-IFB1	072712B-007	07/27/12 10:44
Calibration Check	2G20911-CCV1	072712B-009	07/27/12 10:55
Calibration Blank	2G20911-CCB1	072712B-010	07/27/12 11:03
Calibration Check	2G20911-CCV2	072712B-020	07/27/12 11:59
Calibration Blank	2G20911-CCB2	072712B-021	07/27/12 12:07
Blank	2G27003-BLK1	072712B-022	07/27/12 12:11
LCS	2G27003-BS1	072712B-023	07/27/12 12:16
GW0630	1207067-02	072712B-024	07/27/12 12:22
GW0635	1207067-04	072712B-025	07/27/12 12:27
GW0644	1207067-06	072712B-026	07/27/12 12:31
GW0645	1207067-08	072712B-027	07/27/12 12:36
GW0646	1207067-10	072712B-028	07/27/12 12:40
GW0647	1207067-12	072712B-029	07/27/12 12:45
GW0651	1207067-14	072712B-030	07/27/12 12:49
GW0652	1207067-16	072712B-031	07/27/12 12:54
GW0658	1207067-18	072712B-032	07/27/12 12:58
GW0659	1207067-20	072712B-033	07/27/12 13:03
GW0659	2G27003-MS1	072712B-034	07/27/12 13:07
GW0659	2G27003-MSD1	072712B-035	07/27/12 13:11
GW0659	2G27003-DUP1	072712B-036	07/27/12 13:16
Calibration Check	2G20911-CCV3	072712B-037	07/27/12 13:22
Calibration Blank	2G20911-CCB3	072712B-038	07/27/12 13:29

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20911	Instrument:	ME-ICP
Calibration:	2212001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0660	1207067-22	072712B-039	07/27/12 13:34
GW0701	1207067-24	072712B-040	07/27/12 13:38
GW0702	1207067-26	072712B-041	07/27/12 13:43
GW0727	1207067-28	072712B-042	07/27/12 13:47
Calibration Check	2G20911-CCV4	072712B-043	07/27/12 13:53
Calibration Blank	2G20911-CCB4	072712B-044	07/27/12 14:00

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2199001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/12/12 8:55 7/12/12 9:27

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	2.4178E-05	10000	2.4146E-05			500000	2.4192E-05		
Antimony	0	0	100	0.0004281	1000	5.1847E-04					10000	5.1923E-04
Arsenic	0	0	100	0.0002403	1000	0.0002697					10000	2.6552E-04
Barium	0	0	50	0.0085838	1000	0.0082169	5000	0.0084794				
Beryllium	0	0	100	0.002871	1000	0.0028484					10000	0.0028036
Boron	0	0	50	0.00002	1000	2.025E-05					5000	1.9904E-05
Cadmium	0	0	100	0.016818	1000	0.016924					10000	0.016087
Calcium	0	0	1100	6.849091E-05	50000	6.5062E-05					10000	
Chromium	0	0	100	0.0000585	1000	5.653E-05					10000	5.7809E-05
Cobalt	0	0	100	0.0051216	1000	0.0050633					10000	0.0051489
Copper	0	0	100	0.0000792	1000	7.431E-05					10000	7.3715E-05
Iron	0	0	5100	2.287451E-05	10000	2.1711E-05			500000	2.1106E-05	10000	
Lead	0	0	100	0.0012735	1000	0.001246					10000	0.0012821
Magnesium	0	0	5100		50000	1.953E-06			500000	1.99874E-06	10000	
Manganese	0	0	100	0.0003609	1000	3.4942E-04	10000	3.3646E-04			10000	
Molybdenum	0	0	100	0.0033537	1000	0.0034771					10000	0.0034505
Nickel	0	0	100	0.0027963	1000	0.0027744					10000	0.0028002
Potassium	0	0	1000	1.819E-05	10000	1.9193E-05						
Selenium	0	0	100	0.0003888	1000	3.9507E-04					10000	3.8795E-04
Silver	0	0	20	0.0000725	500	7.044E-05	2000	7.1855E-05				
Sodium	0	0	1000		50000	6.0364E-05						
Strontium	0	0	100	0.002255	1000	0.002211					10000	0.00225
Thallium	0	0	100	0.0005613	1000	5.6423E-04					10000	5.7276E-04
Tin	0	0	50	0.001228	1000	0.0012561					5000	1.27254E-03
Titanium	0	0	100	0.0002481	1000	2.4305E-04					10000	2.4694E-04
Vanadium	0	0	100	0.0000576	1000	5.641E-05					10000	5.6929E-05
Zinc	0	0	100	0.0061625	1000	0.0062568					10000	0.0061568

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2199001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/12/12 8:55 7/12/12 9:27

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	6.3576E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.0098E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.9321E-05										
Selenium												
Silver												
Sodium	100000	5.7793E-05	500000	5.774E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2199001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/12/12 8:55 7/12/12 9:27

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.8129E-05	66.66675	4.93049	189.5014	1		0.998	
Antimony	3.6645E-04	67.68115	1.936312	130.0635	0.9999983		0.998	
Arsenic	1.9388E-04	67.00233	2.451037	171.2224	0.9999947		0.998	
Barium	6.320025E-03	66.71139	0.9854325	148.1568	0.9999572		0.998	
Beryllium	2.13075E-03	66.67962	15.16284	194.2018	0.9999977		0.998	
Boron	1.50385E-05	66.67372	3.383505	162.8745	0.9999883		0.998	
Cadmium	1.245725E-02	66.73355	9.92366	192.9216	0.9999747		0.998	
Calcium	4.928223E-05	66.79734	2.909825	168.8794	0.9999949		0.998	
Chromium	4.320975E-05	66.69341	48.56832	196.5782	0.9999948		0.998	
Cobalt	3.83345E-03	66.67317	5.72365	189.6479	0.9999972		0.998	
Copper	5.680625E-05	66.80688	1.143637	29.98081	1		0.998	
Iron	1.642288E-05	66.81626	248.031	199.5098	0.9999995		0.998	
Lead	0.0009504	66.68635	82.53422	198.8317	0.9999922		0.998	
Magnesium	1.490385E-06	66.68707	20.13384	195.2111	0.9999906		0.998	
Manganese	2.61695E-04	66.77573	1.539645	58.77619	0.9999872		0.998	
Molybdenum	2.570325E-03	66.69858	5.953877	190.5015	0.9999991		0.998	
Nickel	2.092725E-03	66.66888	27.32932	198.3724	0.9999992		0.998	
Potassium	1.4176E-05	66.76204	6.2949	171.2516	1		0.998	
Selenium	2.92955E-04	66.67548	9.166312	188.8167	0.999997		0.998	
Silver	5.369875E-05	66.68592	18.66914	188.9044	0.9999717		0.998	
Sodium	4.397425E-05	66.72481	2.544095	159.7876	0.9999789		0.998	
Strontium	0.001679	66.67696	4.06725	184.3171	0.999997		0.998	
Thallium	4.245725E-04	66.6765	3.848773	177.2197	0.9999984		0.998	
Tin	9.3916E-04	66.69542	10.59974	193.0993	0.9999938		0.998	
Titanium	1.845225E-04	66.67694	4.758443	183.5781	0.9999973		0.998	
Vanadium	4.273475E-05	66.67641	2.456363	139.9104	0.999999		0.998	
Zinc	4.644025E-03	66.67398	185.6673	199.7202	0.9999974		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2201002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/18/12 9:15 7/18/12 9:48

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	2.2248E-05	10000	2.1973E-05			500000	2.2024E-05		
Antimony	0	0	100	0.0005421	1000	6.0313E-04					10000	5.9786E-04
Arsenic	0	0	100	0.0003099	1000	3.3666E-04					10000	3.2987E-04
Barium	0	0	50	0.0107006	1000	0.01018	5000	0.0105152				
Beryllium	0	0	100	0.0024489	1000	0.0023641					10000	0.0023026
Boron	0	0	50	0.000017	1000	1.747E-05					5000	1.7282E-05
Cadmium	0	0	100	0.017469	1000	0.017336					10000	0.016475
Calcium	0	0	1100	6.845454E-05	50000	6.3074E-05					10000	
Chromium	0	0	100	0.0000468	1000	4.415E-05					10000	4.4197E-05
Cobalt	0	0	100	0.0049917	1000	0.0048676					10000	0.0049915
Copper	0	0	100	0.0000802	1000	7.307E-05					10000	7.3405E-05
Iron	0	0	5100	1.946667E-05	10000	1.772E-05			500000	1.71798E-05	10000	
Lead	0	0	100	0.0012374	1000	0.0011885					10000	0.0012355
Magnesium	0	0	5100		50000	1.9386E-06			500000	1.97758E-06	10000	
Manganese	0	0	100	0.0003025	1000	2.8468E-04	10000	2.7893E-04			10000	
Molybdenum	0	0	100	0.0035202	1000	0.003616					10000	0.0036076
Nickel	0	0	100	0.0031519	1000	0.0031002					10000	0.0031117
Potassium	0	0	1000	1.347E-05	10000	1.4463E-05						
Selenium	0	0	100	0.0003844	1000	3.7474E-04					10000	3.6753E-04
Silver	0	0	20	0.000057	500	0.000053	2000	5.4405E-05				
Sodium	0	0	1000		50000	5.7872E-05						
Strontium	0	0	100	0.001687	1000	0.001618					10000	0.001583
Thallium	0	0	100	0.0007588	1000	7.4073E-04					10000	7.4962E-04
Tin	0	0	50	0.0012348	1000	0.0012311					5000	1.24732E-03
Titanium	0	0	100	0.000211	1000	2.0501E-04					10000	2.0863E-04
Vanadium	0	0	100	0.0000461	1000	0.0000438					10000	4.3064E-05
Zinc	0	0	100	0.0067413	1000	0.0067479					10000	0.0066728

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2201002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/18/12 9:15 7/18/12 9:48

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	6.2328E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.9775E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4814E-05										
Selenium												
Silver												
Sodium	100000	5.7149E-05	500000	5.5556E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2201002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/18/12 9:15 7/18/12 9:48

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.656125E-05	66.67057	7.83733	185.9907	1		0.998	
Antimony	4.357725E-04	66.9671	1.902195	136.0371	0.9999974		0.998	
Arsenic	2.441075E-04	66.82883	5.124913	176.4163	0.9999938		0.998	
Barium	7.84895E-03	66.72315	0.95995	163.648	0.9999542		0.998	
Beryllium	0.0017789	66.75187	1160.667	199.9616	0.999994		0.998	
Boron	1.2938E-05	66.68338	6.149628	179.2121	0.999995		0.998	
Cadmium	0.01282	66.75519	3.463898	182.8601	0.9999752		0.998	
Calcium	4.846414E-05	66.9041	0.8868975	114.5302	0.9999988		0.998	
Chromium	3.378675E-05	66.76733	6.429788	183.021	0.9999996		0.998	
Cobalt	0.0037127	66.68526	2.881168	179.6781	0.9999937		0.998	
Copper	5.666875E-05	66.91822	0.7333475	29.97787	0.9999985		0.998	
Iron	1.359162E-05	67.05224	8.683202	190.7236	0.9999987		0.998	
Lead	9.1535E-04	66.71244	27.81335	196.7086	0.9999852		0.998	
Magnesium	1.47342E-06	66.67831	408.8549	199.7848	0.9999959		0.998	
Manganese	2.165275E-04	66.82754	16.71725	193.9012	0.9999967		0.998	
Molybdenum	2.68595E-03	66.68617	4.254465	185.7033	0.9999998		0.998	
Nickel	2.34095E-03	66.67339	30.6965	198.2072	0.9999998		0.998	
Potassium	1.068675E-05	66.87907	3.529312	170.0158	0.9999977		0.998	
Selenium	2.816675E-04	66.7118	7.253423	184.7998	0.9999975		0.998	
Silver	4.110125E-05	66.78844	7.770023	185.3693	0.9999493		0.998	
Sodium	4.264425E-05	66.70526	6.52996	180.8523	0.9999661		0.998	
Strontium	0.001222	66.76037	5.7123	183.0054	0.9999959		0.998	
Thallium	5.622875E-04	66.67957	9.899428	191.4327	0.9999986		0.998	
Tin	9.28305E-04	66.67086	17.71539	196.7065	0.999993		0.998	
Titanium	1.5616E-04	66.68532	10.57515	196.5308	0.9999968		0.998	
Vanadium	3.3241E-05	66.78006	2.310112	142.9266	0.999998		0.998	
Zinc	0.0050405	66.67007	13.52226	195.7626	0.9999988		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2201006	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/16/12 9:57 7/16/12 10:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.0618E-05	10000	2.0561E-05			500000	2.0542E-05		
Antimony	0	0	100	0.000535	1000	5.8698E-04					10000	5.8505E-04
Arsenic	0	0	100	0.0003049	1000	3.2922E-04					10000	3.2297E-04
Barium	0	0	50	0.010393	1000	0.0099444	5000	0.0101142				
Beryllium	0	0	100	0.0022193	1000	0.0021947					10000	0.0022386
Boron	0	0	50	0.0000164	1000	1.684E-05					5000	1.666E-05
Cadmium	0	0	100	0.016815	1000	0.016897					10000	0.016119
Calcium	0	0	1100	6.415455E-05	50000	5.9394E-05					10000	
Chromium	0	0	100	0.0000431	1000	4.173E-05					10000	4.3977E-05
Cobalt	0	0	100	0.0042112	1000	0.0041114					10000	0.0042516
Copper	0	0	100	0.0000753	1000	7.043E-05					10000	6.9905E-05
Iron	0	0	5100	1.715686E-05	10000	1.6201E-05			500000	1.64996E-05	10000	
Lead	0	0	100	0.0010569	1000	0.0010144					10000	0.0010673
Magnesium	0	0	5100		50000	1.8472E-06			500000	1.91746E-06	10000	
Manganese	0	0	100	0.0002811	1000	2.7431E-04	10000	2.7434E-04			10000	
Molybdenum	0	0	100	0.0034551	1000	0.0035427					10000	0.003495
Nickel	0	0	100	0.0030617	1000	0.0030204					10000	0.0030858
Potassium	0	0	1000	0.0000124	10000	1.3945E-05						
Selenium	0	0	100	0.0003607	1000	3.5935E-04					10000	3.5486E-04
Silver	0	0	20	0.000054	500	5.102E-05	2000	5.312E-05				
Sodium	0	0	1000		50000	5.5934E-05						
Strontium	0	0	100	0.001562	1000	0.001521					10000	0.001589
Thallium	0	0	100	0.000737	1000	0.0007214					10000	7.3704E-04
Tin	0	0	50	0.0011826	1000	0.001187					5000	1.21962E-03
Titanium	0	0	100	0.0001927	1000	1.9252E-04					10000	1.9834E-04
Vanadium	0	0	100	0.0000428	1000	0.0000414					10000	4.3066E-05
Zinc	0	0	100	0.0065401	1000	0.006612					10000	0.0065657

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2201006	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/16/12 9:57 7/16/12 10:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.786E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8866E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4087E-05										
Selenium												
Silver												
Sodium	100000	5.5935E-05	500000	5.347E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2201006	Instrument:	ME-ICP	
Matrix:	Water	Calibration Dates:	7/16/12 9:57	7/16/12 10:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.543025E-05	66.66699	2.79053	155.5548	1		0.998	
Antimony	4.267575E-04	66.90466	1.31949	112.5173	0.9999989		0.998	
Arsenic	2.392725E-04	66.80583	9.040227	182.5069	0.9999945		0.998	
Barium	0.0076129	66.71091	1.989397	182.8847	0.9999866		0.998	
Beryllium	1.66315E-03	66.67542	21.96764	192.0743	0.9999963		0.998	
Boron	1.2475E-05	66.68238	5.121343	175.3649	0.9999951		0.998	
Cadmium	1.245775E-02	66.72551	4.166635	183.5052	0.9999784		0.998	
Calcium	4.535214E-05	66.92803	2.127678	161.7732	0.9999936		0.998	
Chromium	3.220175E-05	66.72848	8.549385	181.55	0.999975		0.998	
Cobalt	3.14355E-03	66.69301	3.842595	182.9352	0.999989		0.998	
Copper	5.390875E-05	66.81876	0.7850125	61.9035	1		0.998	
Iron	1.246437E-05	66.74356	95.74376	198.7434	0.9999996		0.998	
Lead	7.8465E-04	66.73043	133.6075	199.3115	0.9999758		0.998	
Magnesium	1.412815E-06	66.69773	344.6883	199.8157	0.9999848		0.998	
Manganese	2.074375E-04	66.68444	3.963373	171.8466	0.9999999		0.998	
Molybdenum	0.0026232	66.68064	4.334778	190.2972	0.9999979		0.998	
Nickel	2.291975E-03	66.67708	41.27415	198.7457	0.9999956		0.998	
Potassium	1.0108E-05	67.09375	6.003688	182.7304	1		0.998	
Selenium	2.687275E-04	66.67314	7.642868	184.1551	0.999999		0.998	
Silver	3.9535E-05	66.74161	1.331505	99.72382	0.9998848		0.998	
Sodium	4.133475E-05	66.72589	7.820985	193.6758	0.9999189		0.998	
Strontium	0.001168	66.70962	2.7524	123.284	0.9999824		0.998	
Thallium	5.4886E-04	66.68017	13.5062	196.0499	0.9999957		0.998	
Tin	8.97305E-04	66.69206	30.33348	198.5409	0.9999704		0.998	
Titanium	1.4589E-04	66.69239	42.01454	199.0033	0.9999921		0.998	
Vanadium	3.18165E-05	66.70622	3.71906	143.2296	0.9999846		0.998	
Zinc	4.92945E-03	66.6694	12.36065	195.6398	0.9999995		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2212001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/27/12 9:12 7/27/12 9:44

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	2.159E-05	10000	2.1525E-05			500000	2.172E-05		
Antimony	0	0	100	0.0005485	1000	6.1219E-04					10000	6.0025E-04
Arsenic	0	0	100	0.0003106	1000	3.3529E-04					10000	3.2662E-04
Barium	0	0	50	0.0104948	1000	0.010058	5000	0.0102364				
Beryllium	0	0	100	0.0023162	1000	0.0022749					10000	0.002254
Boron	0	0	50	0.0000168	1000	0.0000174					5000	1.7112E-05
Cadmium	0	0	100	0.016629	1000	0.016564					10000	0.015648
Calcium	0	0	1100	6.425454E-05	50000	6.0548E-05					10000	
Chromium	0	0	100	0.0000457	1000	4.343E-05					10000	4.3635E-05
Cobalt	0	0	100	0.0050051	1000	0.0048875					10000	0.0050368
Copper	0	0	100	0.000083	1000	0.0000764					10000	7.5817E-05
Iron	0	0	5100	1.949608E-05	10000	1.828E-05			500000	1.73216E-05	10000	
Lead	0	0	100	0.0012131	1000	0.0011668					10000	0.0012174
Magnesium	0	0	5100		50000	1.7908E-06			500000	1.8187E-06	10000	
Manganese	0	0	100	0.0002954	1000	2.8038E-04	10000	2.7044E-04			10000	
Molybdenum	0	0	100	0.0035184	1000	0.0036285					10000	0.003607
Nickel	0	0	100	0.0030715	1000	0.0030257					10000	0.0030247
Potassium	0	0	1000	1.429E-05	10000	1.5326E-05						
Selenium	0	0	100	0.0003821	1000	3.8752E-04					10000	3.8327E-04
Silver	0	0	20	0.0000595	500	5.606E-05	2000	5.6485E-05				
Sodium	0	0	1000		50000	5.754E-05						
Strontium	0	0	100	0.001845	1000	0.001796					10000	0.001801
Thallium	0	0	100	0.0007451	1000	7.3008E-04					10000	7.3286E-04
Tin	0	0	50	0.0012242	1000	0.001212					5000	1.23356E-03
Titanium	0	0	100	0.0002137	1000	2.1039E-04					10000	2.1434E-04
Vanadium	0	0	100	0.0000455	1000	4.374E-05					10000	4.3506E-05
Zinc	0	0	100	0.0062047	1000	0.0062201					10000	0.0061213

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2212001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/27/12 9:12 7/27/12 9:44

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.858E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.787E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5429E-05										
Selenium												
Silver												
Sodium	100000	5.6341E-05	500000	5.6002E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2212001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	7/27/12 9:12 7/27/12 9:44

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.620875E-05	66.66854	28.5861	197.1703	1		0.998	
Antimony	4.40235E-04	66.96172	1.92058	175.006	0.9999926		0.998	
Arsenic	2.431275E-04	66.79925	2.805477	163.8169	0.9999908		0.998	
Barium	0.0076973	66.70735	1.631607	172.5708	0.9999857		0.998	
Beryllium	1.711275E-03	66.68377	14.30556	192.5266	0.9999993		0.998	
Boron	1.2828E-05	66.69402	2.952532	130.3166	0.9999879		0.998	
Cadmium	1.221025E-02	66.76751	1.368408	153.1922	0.9999686		0.998	
Calcium	4.584564E-05	66.86386	1.256865	116.1982	0.9999894		0.998	
Chromium	3.319125E-05	66.73818	8.957287	180.8111	0.9999994		0.998	
Cobalt	3.73235E-03	66.68887	3.127463	183.512	0.9999912		0.998	
Copper	5.880425E-05	66.89641	1.32021	48.61605	0.9999999		0.998	
Iron	1.377442E-05	66.9789	22.52208	193.8929	0.9999987		0.998	
Lead	8.99325E-04	66.71531	20.67255	196.8722	0.9999827		0.998	
Magnesium	1.349125E-06	66.6749	1841.488	199.9366	0.9999885		0.998	
Manganese	2.11555E-04	66.84284	5.461055	169.6548	0.9999887		0.998	
Molybdenum	2.688475E-03	66.69022	3.254535	180.5751	0.9999994		0.998	
Nickel	2.280475E-03	66.67354	6.78928	192.7984	1		0.998	
Potassium	1.126125E-05	66.82296	7.212653	170.335	1		0.998	
Selenium	2.882225E-04	66.67156	4.397187	175.1631	0.9999989		0.998	
Silver	4.301125E-05	66.76167	9.81774	179.2064	0.9999946		0.998	
Sodium	4.247075E-05	66.68476	6.43952	179.0645	0.9999936		0.998	
Strontium	0.0013605	66.6863	5.49095	167.886	0.9999998		0.998	
Thallium	5.5201E-04	66.67714	6.591015	193.2191	0.9999998		0.998	
Tin	9.1744E-04	66.67361	9.82567	195.264	0.9999871		0.998	
Titanium	1.596075E-04	66.67549	24.38788	194.8749	0.9999967		0.998	
Vanadium	3.31865E-05	66.72058	7.090535	177.1552	0.9999998		0.998	
Zinc	4.636525E-03	66.67324	6.816845	192.1386	0.9999976		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0668

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-01
Sampled:	07/10/12 12:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G25002	07/26/12 14:50
18496-25-8	Sulfide	0.947	0.678	1.69	3.39	1	J	SM4500S2CF	2G13011	07/13/12 14:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	113	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:03
16887-00-6	Chloride	62.5	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 14:59
NA	Nitrate/Nitrite as N	1.36	0.250	0.750	1.50	1	J	E353.2	2G17010	07/17/12 11:47
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:03
14808-79-8	Sulfate as SO4	52.3	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 14:59

ANALYSIS DATA SHEET

GW0669

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-03
Sampled:	07/10/12 12:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G25002	07/26/12 14:51
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G13011	07/13/12 14:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:10
16887-00-6	Chloride	62.1	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 15:16
NA	Nitrate/Nitrite as N	1.37	0.250	0.750	1.50	1	J	E353.2	2G17010	07/17/12 11:48
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:10
14808-79-8	Sulfate as SO4	52.1	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 15:16

ANALYSIS DATA SHEET

GW0670

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-05
Sampled:	07/10/12 10:54	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G25002	07/26/12 14:52
18496-25-8	Sulfide	0.891	0.741	1.85	3.70	1	J	SM4500S2CF	2G13011	07/13/12 14:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.9	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:15
16887-00-6	Chloride	12.7	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 15:33
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 11:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:15
14808-79-8	Sulfate as SO4	41.9	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 15:33

ANALYSIS DATA SHEET

GW0714

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-07
Sampled:	07/09/12 16:41	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.128	0.110	0.150	0.300	1	J	SM4500NH3BG	2G25002	07/26/12 14:53
18496-25-8	Sulfide	0.891	0.741	1.85	3.70	1	J	SM4500S2CF	2G13011	07/13/12 14:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	136	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:20
16887-00-6	Chloride	32.1	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 15:51
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 11:51
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:20
14808-79-8	Sulfate as SO4	53.0	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 15:51

ANALYSIS DATA SHEET

GW0715

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-09
Sampled:	07/09/12 14:21	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G25002	07/26/12 14:54
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G13011	07/13/12 14:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	128	1.00	1.00	1.00	1		SM2320B	2G23017	07/23/12 13:55
16887-00-6	Chloride	87.1	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 13:14
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 11:53
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G23017	07/23/12 13:55
14808-79-8	Sulfate as SO4	91.1	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 13:14

ANALYSIS DATA SHEET

GW0716

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-11
Sampled:	07/09/12 11:55	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G25002	07/26/12 14:57
18496-25-8	Sulfide	1.04	0.741	1.85	3.70	1	J	SM4500S2CF	2G13011	07/13/12 14:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.1	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:26
16887-00-6	Chloride	7.31	0.170	0.330	0.500	1		E300.0	2G17028	07/17/12 19:22
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 11:57
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:26
14808-79-8	Sulfate as SO4	29.2	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 16:08

ANALYSIS DATA SHEET

GW0720

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-13
Sampled:	07/09/12 16:53	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G25002	07/26/12 14:58
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G13011	07/13/12 14:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	93.0	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:30
16887-00-6	Chloride	15.8	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 16:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 11:59
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:30
14808-79-8	Sulfate as SO4	34.1	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 16:26

ANALYSIS DATA SHEET

GW0721

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-15
Sampled:	07/09/12 14:41	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G23002	07/23/12 13:16
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G13011	07/13/12 14:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	128	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:40
16887-00-6	Chloride	13.4	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 18:27
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 12:00
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:40
14808-79-8	Sulfate as SO4	34.5	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 18:27

ANALYSIS DATA SHEET

GW0722

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-17
Sampled:	07/09/12 12:23	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2G23002	07/23/12 13:17
18496-25-8	Sulfide	0.891	0.741	1.85	3.70	1	J	SM4500S2CF	2G13011	07/13/12 14:15
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.9	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:45
16887-00-6	Chloride	8.44	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 18:45
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 12:02
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:45
14808-79-8	Sulfate as SO4	30.5	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 18:45

ANALYSIS DATA SHEET

GW0729

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207051-19
Sampled:	07/10/12 11:17	Received:	07/11/12 08:25
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.274	0.110	0.150	0.300	1	J	SM4500NH3BG	2G23002	07/23/12 13:18
18496-25-8	Sulfide	0.807	0.678	1.69	3.39	1	J	SM4500S2CF	2G13011	07/13/12 14:16
71-52-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	2G17003	07/17/12 11:50
16887-00-6	Chloride	7.84	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 19:02
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G17010	07/17/12 12:03
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G17003	07/17/12 11:50
14808-79-8	Sulfate as SO4	29.2	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 19:02

ANALYSIS DATA SHEET

GW0630

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-01
Sampled:	07/11/12 10:08	Received:	07/13/12 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	2G25002	07/26/12 14:59
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G16013	07/16/12 15:02
71-52-3	Alkalinity, Bicarbonate (as CACO3)	151	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 09:45
16887-00-6	Chloride	18.1	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 19:20
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 12:56
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 09:45
14808-79-8	Sulfate as SO4	33.9	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 19:20

ANALYSIS DATA SHEET

GW0635

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-03
Sampled:	07/11/12 12:26	Received:	07/13/12 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	2G25002	07/26/12 15:00
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G16013	07/16/12 15:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	196	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 09:52
16887-00-6	Chloride	11.9	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 19:37
NA	Nitrate/Nitrite as N	0.406	0.250	0.750	1.50	1	J	E353.2	2G25011	07/25/12 13:00
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 09:52
14808-79-8	Sulfate as SO4	33.2	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 19:37

ANALYSIS DATA SHEET

GW0644

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-05
Sampled:	07/12/12 10:58	Received:	07/13/12 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	2G25002	07/26/12 15:03
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G16013	07/16/12 15:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 09:59
16887-00-6	Chloride	12.0	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 19:55
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:02
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 09:59
14808-79-8	Sulfate as SO4	36.4	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 19:55

ANALYSIS DATA SHEET

GW0645

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-07
Sampled:	07/12/12 13:37	Received:	07/13/12 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	2G25002	07/26/12 15:04
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2G16013	07/16/12 15:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	115	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 10:10
16887-00-6	Chloride	12.7	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 20:12
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:03
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 10:10
14808-79-8	Sulfate as SO4	33.1	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 20:12

ANALYSIS DATA SHEET

GW0646

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-09
Sampled:	07/12/12 13:31	Received:	07/13/12 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	2G25002	07/26/12 15:05
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2G16013	07/16/12 15:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	116	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 10:47
16887-00-6	Chloride	12.7	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 20:29
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:05
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 10:47
14808-79-8	Sulfate as SO4	33.1	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 20:29

ANALYSIS DATA SHEET

GW0647

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-11
Sampled:	07/12/12 16:08	Received:	07/13/12 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	2G25002	07/26/12 15:06
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G16013	07/16/12 15:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	116	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 10:56
16887-00-6	Chloride	12.3	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 03:07
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:06
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 10:56
14808-79-8	Sulfate as SO4	31.9	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 03:07

ANALYSIS DATA SHEET

GW0651

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-13
Sampled:	07/11/12 15:32	Received:	07/13/12 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	2G25002	07/26/12 15:07
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G16013	07/16/12 15:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	123	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:02
16887-00-6	Chloride	33.7	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 05:08
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:08
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:02
14808-79-8	Sulfate as SO4	118	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 05:08

ANALYSIS DATA SHEET

GW0652

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-15
Sampled:	07/10/12 16:12	Received:	07/13/12 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	2G25002	07/26/12 15:08
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G16013	07/16/12 15:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:09
16887-00-6	Chloride	10.5	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 05:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:09
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:09
14808-79-8	Sulfate as SO4	42.8	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 05:26

ANALYSIS DATA SHEET

GW0658

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-17
Sampled:	07/12/12 16:05	Received:	07/13/12 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	2G25002	07/26/12 15:09
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G16013	07/16/12 15:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	82.9	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:16
16887-00-6	Chloride	24.0	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 05:43
NA	Nitrate/Nitrite as N	0.775	0.250	0.750	1.50	1	J	E353.2	2G25011	07/25/12 13:15
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:16
14808-79-8	Sulfate as SO4	54.5	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 05:43

ANALYSIS DATA SHEET

GW0659

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-19
Sampled:	07/12/12 13:04	Received:	07/13/12 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	2G26002	07/26/12 15:17
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2G16013	07/16/12 15:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	84.1	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:21
16887-00-6	Chloride	73.4	0.170	0.330	0.500	1		E300.0	2G16006	07/16/12 16:43
NA	Nitrate/Nitrite as N	2.46	0.250	0.750	1.50	1		E353.2	2G25011	07/25/12 13:16
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:21
14808-79-8	Sulfate as SO4	120	0.330	1.00	2.50	1	M	E300.0	2G16006	07/16/12 16:43

ANALYSIS DATA SHEET

GW0660

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-21
Sampled:	07/12/12 10:32	Received:	07/13/12 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	2G25002	07/26/12 15:09
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2G16013	07/16/12 15:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	87.0	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:28
16887-00-6	Chloride	74.2	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 06:01
NA	Nitrate/Nitrite as N	2.50	0.250	0.750	1.50	1		E353.2	2G25011	07/25/12 13:21
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:28
14808-79-8	Sulfate as SO4	116	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 06:01

ANALYSIS DATA SHEET

GW0701

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-23
Sampled:	07/11/12 15:33	Received:	07/13/12 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	2G25002	07/26/12 15:10
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G16013	07/16/12 15:15
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:37
16887-00-6	Chloride	9.70	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 06:18
NA	Nitrate/Nitrite as N	0.318	0.250	0.750	1.50	1	J	E353.2	2G25011	07/25/12 13:22
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:37
14808-79-8	Sulfate as SO4	33.4	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 06:18

ANALYSIS DATA SHEET

GW0702

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-25
Sampled:	07/11/12 15:33	Received:	07/13/12 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	2G25002	07/26/12 15:11
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2G16013	07/16/12 15:16
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:44
16887-00-6	Chloride	10.0	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 08:20
NA	Nitrate/Nitrite as N	0.334	0.250	0.750	1.50	1	J	E353.2	2G25011	07/25/12 13:24
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:44
14808-79-8	Sulfate as SO4	33.6	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 08:20

ANALYSIS DATA SHEET

GW0727

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1207067-27
Sampled:	07/11/12 09:46	Received:	07/13/12 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	2G26002	07/26/12 15:20
18496-25-8	Sulfide	0.808	0.678	1.69	3.39	1	J	SM4500S2CF	2G16013	07/16/12 15:17
71-52-3	Alkalinity, Bicarbonate (as CACO3)	140	1.00	1.00	1.00	1		SM2320B	2G24005	07/24/12 11:50
16887-00-6	Chloride	20.4	0.170	0.330	0.500	1		E300.0	2G24015	07/25/12 08:37
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2G25011	07/25/12 13:25
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2G24005	07/24/12 11:50
14808-79-8	Sulfate as SO4	36.4	0.330	1.00	2.50	1	M	E300.0	2G24015	07/25/12 08:37

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_056
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

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2199003
Sequence: 2G19908

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G19908-ICV1	Nitrate/Nitrite as N	1.200	1.223	102	mg/L	+/- 10.00%
2G19908-CCV1	Nitrate/Nitrite as N	1.200	1.231	103	mg/L	+/- 10.00%
2G19908-CCV2	Nitrate/Nitrite as N	1.200	1.213	101	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2G20213

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20213-CCV1	Chloride	25.00	25.72	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.11	104	mg/L	+/- 10.00%
2G20213-CCV2	Chloride	25.00	25.86	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.47	106	mg/L	+/- 10.00%
2G20213-CCV3	Chloride	25.00	26.12	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.46	106	mg/L	+/- 10.00%
2G20213-CCV4	Chloride	25.00	26.16	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.55	106	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2G20507

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20507-CCV1	Chloride	25.00	26.53	106	mg/L	+/- 10.00%
2G20507-CCV2	Chloride	25.00	26.24	105	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_056
Project: Kirtland AFB 2011
Calibration: 2205003
Sequence: 2G20510

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20510-ICV1	Ammonia as N	2.000	2.054	103	mg/L	+/- 10.00%
2G20510-CCV1	Ammonia as N	2.000	1.999	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2207006
Sequence: 2G20709

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20709-ICV1	Nitrate/Nitrite as N	1.200	1.246	104	mg/L	+/- 10.00%
2G20709-CCV1	Nitrate/Nitrite as N	1.200	1.187	98.9	mg/L	+/- 10.00%
2G20709-CCV2	Nitrate/Nitrite as N	1.200	1.175	97.9	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_056
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2G20710

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20710-CCV1	Chloride	25.00	25.98	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.75	107	mg/L	+/- 10.00%
2G20710-CCV2	Chloride	25.00	25.89	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.57	106	mg/L	+/- 10.00%
2G20710-CCV3	Chloride	25.00	26.25	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.98	108	mg/L	+/- 10.00%
2G20710-CCV4	Chloride	25.00	26.43	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.99	108	mg/L	+/- 10.00%
2G20710-CCV5	Chloride	25.00	26.57	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	27.14	109	mg/L	+/- 10.00%
2G20710-CCV6	Chloride	25.00	26.80	107	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	27.16	109	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_056
Project: Kirtland AFB 2011
Calibration: 2208002
Sequence: 2G20808

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2G20808-ICV1	Ammonia as N	2.000	2.104	105	mg/L	+/- 10.00%
2G20808-CCV1	Ammonia as N	2.000	2.088	104	mg/L	+/- 10.00%
2G20808-CCV2	Ammonia as N	2.000	2.125	106	mg/L	+/- 10.00%
2G20808-CCV3	Ammonia as N	2.000	2.136	107	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2G20213

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G20213-CRL1	Chloride	0.5000	0.5420	108	mg/L	75 - 125
2G20213-CRL3	Sulfate as SO4	2.500	2.085	83.4	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2G20507

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G20507-CRL1	Chloride	0.5000	0.5490	110	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2G20710

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2G20710-CRL1	Chloride	0.5000	0.5880	118	mg/L	75 - 125
2G20710-CRL3	Sulfate as SO4	2.500	2.139	85.6	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G13011

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G13011-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G16006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G16006-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G16013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G16013-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G17003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G17003-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G17010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G17010-BLK1	Nitrate/Nitrite as N	-0.0261	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G17028

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G17028-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G23002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G23002-BLK1	Ammonia as N	0.0346	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G23017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G23017-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G24005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G24005-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G24015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G24015-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G25002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G25002-BLK1	Ammonia as N	0.0644	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G25011

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G25011-BLK2	Nitrate/Nitrite as N	-0.0276	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2G26002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G26002-BLK1	Ammonia as N	-0.0929	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G19908
Calibration: 2199003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G19908-ICB1	Nitrate/Nitrite as N	-0.03664	0.0500	0.300	mg/L	U	E353.2
2G19908-CCB1	Nitrate/Nitrite as N	-0.0388	0.0500	0.300	mg/L	U	E353.2
2G19908-CCB2	Nitrate/Nitrite as N	-0.0160	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G20213
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20213-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
2G20213-CCB2	Chloride	0.885	0.170	0.500	mg/L		E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2G20213-CCB3	Chloride	0.0180	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2G20213-CCB4	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G20507
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20507-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
2G20507-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G20510
Calibration: 2205003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20510-ICB1	Ammonia as N	0.001286	0.110	0.300	mg/L	U	SM4500NH3BG
2G20510-CCB1	Ammonia as N	-0.00191	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G20709
Calibration: 2207006
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20709-ICB1	Nitrate/Nitrite as N	-0.02485	0.0500	0.300	mg/L	U	E353.2
2G20709-CCB1	Nitrate/Nitrite as N	-0.146	0.0500	0.300	mg/L	U	E353.2
2G20709-CCB2	Nitrate/Nitrite as N	-0.0353	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G20710
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20710-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
2G20710-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
2G20710-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
2G20710-CCB4	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2G20710-CCB5	Chloride	0.0300	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2G20710-CCB6	Chloride	0.0600	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_056
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2G20808
Calibration: 2208002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2G20808-ICB1	Ammonia as N	-0.02561	0.110	0.300	mg/L	U	SM4500NH3BG
2G20808-CCB1	Ammonia as N	-0.00458	0.110	0.300	mg/L	U	SM4500NH3BG
2G20808-CCB2	Ammonia as N	-0.0191	0.110	0.300	mg/L	U	SM4500NH3BG
2G20808-CCB3	Ammonia as N	-0.0204	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G13011

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1300	0.7407	1332	102		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1300	1350	104	1.34		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G16006

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	87.10	115.5	102		80 - 120
Sulfate as SO4	27.78	91.15	120.7	106		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	115.4	102	0.119		20	80 - 120
Sulfate as SO4	27.78	120.3	105	0.273		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G16006

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	73.41	102.4	104		80 - 120
Sulfate as SO4	27.78	120.2	149.7	106		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
Chloride	27.78	102.6	105	0.154		20	80 - 120
Sulfate as SO4	27.78	150.2	108	0.332		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G16013

% Solids:

Source Sample Name: **1207067-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1266	0.7407	1475	116		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1455	115	1.34		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G17010

% Solids:

Source Sample Name: **1207051-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.580	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	2.592	104	0.464		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G23017

% Solids:

Source Sample Name: **1207051-09**

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	127.8	233.2	94.9		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	220.6	83.6	5.54		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24005

% Solids:

Source Sample Name: **1207067-19**

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	84.12	212.6	116		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	206.7	110	2.79		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0647

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G24015

% Solids:

Source Sample Name: **1207067-11**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	12.27	41.08	104		80 - 120
Sulfate as SO4	27.78	31.86	61.86	108		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.07	104	0.0324		20	80 - 120
Sulfate as SO4	27.78	61.94	108	0.129		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0715

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G25002

% Solids:

Source Sample Name: **1207051-09**

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	5.472	109		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	5.091	102	7.21		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0630

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G25011

% Solids:

Source Sample Name: **1207067-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.746	110		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	2.646	106	3.73		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G25011

% Solids:

Source Sample Name: **1207067-19**

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	2.455	4.918	98.5		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	4.915	98.4	0.0509		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0659

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2G26002

% Solids:

Source Sample Name: **1207067-19**

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	5.464	109		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	5.183	104	5.28		20	75 - 125

GW0715

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2G16006
Preparation: pNone
Source Sample Name: GW0715

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G16006-DUP1
Lab Source ID: 1207051-09
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	87.1	87.43	0.385		E300.0
Sulfate as SO4	20	91.1	91.36	0.231		E300.0

GW0659

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2G16006
Preparation: pNone
Source Sample Name: GW0659

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G16006-DUP2
Lab Source ID: 1207067-19
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	73.4	73.41	0.00272		E300.0
Sulfate as SO4	20	120	120.3	0.111		E300.0

DUPLICATES

GW0647

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2G24015
Preparation: pNone
Source Sample Name: GW0647

SDG: Kirtland_056
Project: Kirtland AFB 2011
Laboratory ID: 2G24015-DUP1
Lab Source ID: 1207067-11
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	12.3	12.33	0.504		E300.0
Sulfate as SO4	20	31.9	32.09	0.726		E300.0

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G13011	Laboratory ID:	2G13011-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1300	1267	97.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G16006	Laboratory ID:	2G16006-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.938	103	90 - 110
Sulfate as SO4	24.00	24.68	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G16013	Laboratory ID:	2G16013-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	1267	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17003	Laboratory ID:	2G17003-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	1021	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17010	Laboratory ID:	2G17010-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.668	98.7	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G17028	Laboratory ID:	2G17028-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	5.023	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G23002	Laboratory ID:	2G23002-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	5.079	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G23017	Laboratory ID:	2G23017-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_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24005	Laboratory ID:	2G24005-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	1035	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G24015	Laboratory ID:	2G24015-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	5.207	108	90 - 110
Sulfate as SO4	24.00	25.32	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G25002	Laboratory ID:	2G25002-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	5.080	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G25011	Laboratory ID:	2G25011-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	14.47	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2G26002	Laboratory ID:	2G26002-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	4.969	99.4	80 - 120

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G13011 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/13/12 10:20	295.00	200.00
GW0669	1207051-03	07/13/12 10:20	295.00	200.00
GW0670	1207051-05	07/13/12 10:20	270.00	200.00
GW0714	1207051-07	07/13/12 10:20	270.00	200.00
GW0715	1207051-09	07/13/12 10:20	270.00	200.00
GW0716	1207051-11	07/13/12 10:20	270.00	200.00
GW0720	1207051-13	07/13/12 10:20	270.00	200.00
GW0721	1207051-15	07/13/12 10:20	270.00	200.00
GW0722	1207051-17	07/13/12 10:20	270.00	200.00
GW0729	1207051-19	07/13/12 10:20	295.00	200.00
Blank	2G13011-BLK1	07/13/12 10:20	250.00	200.00
LCS	2G13011-BS1	07/13/12 10:20	3.00	250.00
GW0715	2G13011-MS1	07/13/12 10:20	3.00	270.00
GW0715	2G13011-MSD1	07/13/12 10:20	3.00	270.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G16006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/16/12 08:21	5.00	5.00
GW0669	1207051-03	07/16/12 08:21	5.00	5.00
GW0670	1207051-05	07/16/12 08:21	5.00	5.00
GW0714	1207051-07	07/16/12 08:21	5.00	5.00
GW0715	1207051-09	07/16/12 08:21	5.00	5.00
GW0716	1207051-11	07/16/12 08:21	5.00	5.00
GW0720	1207051-13	07/16/12 08:21	5.00	5.00
GW0721	1207051-15	07/16/12 08:21	5.00	5.00
GW0722	1207051-17	07/16/12 08:21	5.00	5.00
GW0729	1207051-19	07/16/12 08:21	5.00	5.00
GW0630	1207067-01	07/16/12 08:21	5.00	5.00
GW0635	1207067-03	07/16/12 08:21	5.00	5.00
GW0644	1207067-05	07/16/12 08:21	5.00	5.00
GW0645	1207067-07	07/16/12 08:21	5.00	5.00
GW0646	1207067-09	07/16/12 08:21	5.00	5.00
GW0659	1207067-19	07/16/12 08:21	5.00	5.00
Blank	2G16006-BLK1	07/16/12 08:21	5.00	5.00
LCS	2G16006-BS1	07/16/12 08:21	5.00	5.00
GW0715	2G16006-DUP1	07/16/12 08:21	5.00	5.00
GW0659	2G16006-DUP2	07/16/12 08:21	5.00	5.00
GW0715	2G16006-MS1	07/16/12 08:21	22.50	25.00
GW0659	2G16006-MS2	07/16/12 08:21	22.50	25.00
GW0715	2G16006-MSD1	07/16/12 08:21	22.50	25.00
GW0659	2G16006-MSD2	07/16/12 08:21	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G16013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/16/12 13:28	270.00	200.00
GW0635	1207067-03	07/16/12 13:28	295.00	200.00
GW0644	1207067-05	07/16/12 13:28	270.00	200.00
GW0645	1207067-07	07/16/12 13:28	295.00	200.00
GW0646	1207067-09	07/16/12 13:28	270.00	200.00
GW0647	1207067-11	07/16/12 13:28	270.00	200.00
GW0651	1207067-13	07/16/12 13:28	295.00	200.00
GW0652	1207067-15	07/16/12 13:28	270.00	200.00
GW0658	1207067-17	07/16/12 13:28	295.00	200.00
GW0659	1207067-19	07/16/12 13:28	270.00	200.00
GW0660	1207067-21	07/16/12 13:28	295.00	200.00
GW0701	1207067-23	07/16/12 13:28	295.00	200.00
GW0702	1207067-25	07/16/12 13:28	295.00	200.00
GW0727	1207067-27	07/16/12 13:28	295.00	200.00
Blank	2G16013-BLK1	07/16/12 13:28	250.00	200.00
LCS	2G16013-BS1	07/16/12 13:28	3.00	250.00
GW0659	2G16013-MS1	07/16/12 13:28	3.00	295.00
GW0659	2G16013-MSD1	07/16/12 13:28	3.00	295.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17003 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/17/12 07:09	25.00	25.00
GW0669	1207051-03	07/17/12 07:09	25.00	25.00
GW0670	1207051-05	07/17/12 07:09	25.00	25.00
GW0714	1207051-07	07/17/12 07:09	25.00	25.00
GW0716	1207051-11	07/17/12 07:09	25.00	25.00
GW0720	1207051-13	07/17/12 07:09	25.00	25.00
GW0721	1207051-15	07/17/12 07:09	25.00	25.00
GW0722	1207051-17	07/17/12 07:09	25.00	25.00
GW0729	1207051-19	07/17/12 07:09	25.00	25.00
Blank	2G17003-BLK1	07/17/12 07:09	25.00	25.00
LCS	2G17003-BS1	07/17/12 07:09	5.00	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/17/12 08:37	4.00	20.00
GW0669	1207051-03	07/17/12 08:37	4.00	20.00
GW0670	1207051-05	07/17/12 08:37	4.00	20.00
GW0714	1207051-07	07/17/12 08:37	4.00	20.00
GW0715	1207051-09	07/17/12 08:37	4.00	20.00
GW0716	1207051-11	07/17/12 08:37	4.00	20.00
GW0720	1207051-13	07/17/12 08:37	4.00	20.00
GW0721	1207051-15	07/17/12 08:37	4.00	20.00
GW0722	1207051-17	07/17/12 08:37	4.00	20.00
GW0729	1207051-19	07/17/12 08:37	4.00	20.00
Blank	2G17010-BLK1	07/17/12 08:37	20.00	20.00
LCS	2G17010-BS1	07/17/12 08:37	20.00	20.00
GW0715	2G17010-MS1	07/17/12 08:37	4.00	20.00
GW0715	2G17010-MSD1	07/17/12 08:37	4.00	20.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G17028 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0716	1207051-11RE1	07/17/12 15:53	5.00	5.00
Blank	2G17028-BLK1	07/17/12 15:53	5.00	5.00
LCS	2G17028-BS1	07/17/12 15:53	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G23002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0721	1207051-15	07/23/12 06:21	100.00	100.00
GW0722	1207051-17	07/23/12 06:21	100.00	100.00
GW0729	1207051-19	07/23/12 06:21	100.00	100.00
Blank	2G23002-BLK1	07/23/12 06:21	100.00	100.00
LCS	2G23002-BS1	07/23/12 06:21	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G23017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0715	1207051-09	07/23/12 11:56	25.00	25.00
Blank	2G23017-BLK1	07/23/12 11:56	25.00	25.00
LCS	2G23017-BS1	07/23/12 11:56	5.00	25.00
GW0715	2G23017-MS1	07/23/12 11:56	22.50	25.00
GW0715	2G23017-MSD1	07/23/12 11:56	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G24005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/24/12 07:01	25.00	25.00
GW0635	1207067-03	07/24/12 07:01	25.00	25.00
GW0644	1207067-05	07/24/12 07:01	25.00	25.00
GW0645	1207067-07	07/24/12 07:01	25.00	25.00
GW0646	1207067-09	07/24/12 07:01	25.00	25.00
GW0647	1207067-11	07/24/12 07:01	25.00	25.00
GW0651	1207067-13	07/24/12 07:01	25.00	25.00
GW0652	1207067-15	07/24/12 07:01	25.00	25.00
GW0658	1207067-17	07/24/12 07:01	25.00	25.00
GW0659	1207067-19	07/24/12 07:01	25.00	25.00
GW0660	1207067-21	07/24/12 07:01	25.00	25.00
GW0701	1207067-23	07/24/12 07:01	25.00	25.00
GW0702	1207067-25	07/24/12 07:01	25.00	25.00
GW0727	1207067-27	07/24/12 07:01	25.00	25.00
Blank	2G24005-BLK1	07/24/12 07:01	25.00	25.00
LCS	2G24005-BS1	07/24/12 07:01	5.00	25.00
GW0659	2G24005-MS1	07/24/12 07:01	22.50	25.00
GW0659	2G24005-MSD1	07/24/12 07:01	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G24015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0647	1207067-11	07/24/12 11:05	5.00	5.00
GW0651	1207067-13	07/24/12 11:05	5.00	5.00
GW0652	1207067-15	07/24/12 11:05	5.00	5.00
GW0658	1207067-17	07/24/12 11:05	5.00	5.00
GW0660	1207067-21	07/24/12 11:05	5.00	5.00
GW0701	1207067-23	07/24/12 11:05	5.00	5.00
GW0702	1207067-25	07/24/12 11:05	5.00	5.00
GW0727	1207067-27	07/24/12 11:05	5.00	5.00
Blank	2G24015-BLK1	07/24/12 11:05	5.00	5.00
LCS	2G24015-BS1	07/24/12 11:05	5.00	5.00
GW0647	2G24015-DUP1	07/24/12 11:05	5.00	5.00
GW0647	2G24015-MS1	07/24/12 11:05	22.50	25.00
GW0647	2G24015-MSD1	07/24/12 11:05	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G25002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0668	1207051-01	07/25/12 07:27	100.00	100.00
GW0669	1207051-03	07/25/12 07:27	100.00	100.00
GW0670	1207051-05	07/25/12 07:27	100.00	100.00
GW0714	1207051-07	07/25/12 07:27	100.00	100.00
GW0715	1207051-09	07/25/12 07:27	100.00	100.00
GW0716	1207051-11	07/25/12 07:27	100.00	100.00
GW0720	1207051-13	07/25/12 07:27	100.00	100.00
GW0630	1207067-01	07/25/12 07:27	100.00	100.00
GW0635	1207067-03	07/25/12 07:27	100.00	100.00
GW0644	1207067-05	07/25/12 07:27	100.00	100.00
GW0645	1207067-07	07/25/12 07:27	100.00	100.00
GW0646	1207067-09	07/25/12 07:27	100.00	100.00
GW0647	1207067-11	07/25/12 07:27	100.00	100.00
GW0651	1207067-13	07/25/12 07:27	100.00	100.00
GW0652	1207067-15	07/25/12 07:27	100.00	100.00
GW0658	1207067-17	07/25/12 07:27	100.00	100.00
GW0660	1207067-21	07/25/12 07:27	100.00	100.00
GW0701	1207067-23	07/25/12 07:27	100.00	100.00
GW0702	1207067-25	07/25/12 07:27	100.00	100.00
Blank	2G25002-BLK1	07/25/12 07:27	100.00	100.00
LCS	2G25002-BS1	07/25/12 07:27	100.00	100.00
GW0715	2G25002-MS1	07/25/12 07:27	100.00	100.00
GW0715	2G25002-MSD1	07/25/12 07:27	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G25011 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0630	1207067-01	07/25/12 11:04	4.00	20.00
GW0635	1207067-03	07/25/12 11:04	4.00	20.00
GW0644	1207067-05	07/25/12 11:04	4.00	20.00
GW0645	1207067-07	07/25/12 11:04	4.00	20.00
GW0646	1207067-09	07/25/12 11:04	4.00	20.00
GW0647	1207067-11	07/25/12 11:04	4.00	20.00
GW0651	1207067-13	07/25/12 11:04	4.00	20.00
GW0652	1207067-15	07/25/12 11:04	4.00	20.00
GW0658	1207067-17	07/25/12 11:04	4.00	20.00
GW0659	1207067-19	07/25/12 11:04	4.00	20.00
GW0660	1207067-21	07/25/12 11:04	4.00	20.00
GW0701	1207067-23	07/25/12 11:04	4.00	20.00
GW0702	1207067-25	07/25/12 11:04	4.00	20.00
GW0727	1207067-27	07/25/12 11:04	4.00	20.00
Blank	2G25011-BLK2	07/25/12 11:04	20.00	20.00
LCS	2G25011-BS1	07/25/12 11:04	2.00	20.00
GW0630	2G25011-MS1	07/25/12 11:04	4.00	20.00
GW0659	2G25011-MS2	07/25/12 11:04	4.00	20.00
GW0630	2G25011-MSD1	07/25/12 11:04	4.00	20.00
GW0659	2G25011-MSD2	07/25/12 11:04	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_056

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

Batch: 2G26002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0659	1207067-19	07/26/12 06:54	100.00	100.00
GW0727	1207067-27	07/26/12 06:54	100.00	100.00
Blank	2G26002-BLK1	07/26/12 06:54	100.00	100.00
LCS	2G26002-BS1	07/26/12 06:54	100.00	100.00
GW0659	2G26002-MS1	07/26/12 06:54	100.00	100.00
GW0659	2G26002-MSD1	07/26/12 06:54	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2G17003-BS1	071712-002	07/17/12 09:10
Blank	2G17003-BLK1	071712-003	07/17/12 09:20
LCS	2G23017-BS1	072312-002	07/23/12 13:25
Blank	2G23017-BLK1	072312-003	07/23/12 13:31
GW0715	2G23017-MS1	072312-004	07/23/12 13:39
GW0715	2G23017-MSD1	072312-005	07/23/12 13:50
LCS	2G24005-BS1	072412-002	07/24/12 08:40
Blank	2G24005-BLK1	072412-003	07/24/12 08:43
GW0659	2G24005-MS1	072412-004	07/24/12 08:47
GW0659	2G24005-MSD1	072412-005	07/24/12 09:05

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_056

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2G13011-BS1	071312-001	07/13/12 14:00
Blank	2G13011-BLK1	071312-002	07/13/12 14:01
GW0715	2G13011-MS1	071312-011	07/13/12 14:10
GW0715	2G13011-MSD1	071312-012	07/13/12 14:11
LCS	2G16013-BS1	071612-001	07/16/12 15:00
Blank	2G16013-BLK1	071612-002	07/16/12 15:01
GW0659	2G16013-MS1	071612-013	07/16/12 15:12
GW0659	2G16013-MSD1	071612-014	07/16/12 15:13

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
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

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G19908	Instrument:	WC-Lachat
Calibration:	2199003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G19908-CAL1	M_7-17-2012_11-14-39AM-00	07/17/12 11:15
Cal Standard	2G19908-CAL2	M_7-17-2012_11-14-39AM-00	07/17/12 11:17
Cal Standard	2G19908-CAL3	M_7-17-2012_11-14-39AM-00	07/17/12 11:18
Cal Standard	2G19908-CAL4	M_7-17-2012_11-14-39AM-00	07/17/12 11:20
Cal Standard	2G19908-CAL5	M_7-17-2012_11-14-39AM-00	07/17/12 11:21
Cal Standard	2G19908-CAL6	M_7-17-2012_11-14-39AM-00	07/17/12 11:22
Cal Standard	2G19908-CAL7	M_7-17-2012_11-14-39AM-00	07/17/12 11:24
Cal Standard	2G19908-CAL8	M_7-17-2012_11-14-39AM-00	07/17/12 11:25
Initial Cal Check	2G19908-ICV1	M_7-17-2012_11-14-39AM-00	07/17/12 11:27
Initial Cal Blank	2G19908-ICB1	M_7-17-2012_11-14-39AM-01	07/17/12 11:28
Blank	2G17010-BLK1	M_7-17-2012_11-14-39AM-01	07/17/12 11:31
LCS	2G17010-BS1	M_7-17-2012_11-14-39AM-01	07/17/12 11:33
Calibration Check	2G19908-CCV1	M_7-17-2012_11-14-39AM-02	07/17/12 11:44
Calibration Blank	2G19908-CCB1	M_7-17-2012_11-14-39AM-02	07/17/12 11:46
GW0668	1207051-01	M_7-17-2012_11-14-39AM-02	07/17/12 11:47
GW0669	1207051-03	M_7-17-2012_11-14-39AM-02	07/17/12 11:48
GW0670	1207051-05	M_7-17-2012_11-14-39AM-02	07/17/12 11:50
GW0714	1207051-07	M_7-17-2012_11-14-39AM-02	07/17/12 11:51
GW0715	1207051-09	M_7-17-2012_11-14-39AM-02	07/17/12 11:53
GW0715	2G17010-MS1	M_7-17-2012_11-14-39AM-02	07/17/12 11:54
GW0715	2G17010-MSD1	M_7-17-2012_11-14-39AM-02	07/17/12 11:56
GW0716	1207051-11	M_7-17-2012_11-14-39AM-03	07/17/12 11:57
GW0720	1207051-13	M_7-17-2012_11-14-39AM-03	07/17/12 11:59
GW0721	1207051-15	M_7-17-2012_11-14-39AM-03	07/17/12 12:00
GW0722	1207051-17	M_7-17-2012_11-14-39AM-03	07/17/12 12:02
GW0729	1207051-19	M_7-17-2012_11-14-39AM-03	07/17/12 12:03
Calibration Check	2G19908-CCV2	M_7-17-2012_11-14-39AM-03	07/17/12 12:05
Calibration Blank	2G19908-CCB2	M_7-17-2012_11-14-39AM-03	07/17/12 12:06

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20213	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20213-CCV1	071612-003	07/16/12 10:38
Calibration Blank	2G20213-CCB1	071612-004	07/16/12 10:55
Instrument RL Check	2G20213-CRL1	071612-005	07/16/12 11:12
Instrument RL Check	2G20213-CRL3	071612-007	07/16/12 11:47
LCS	2G16006-BS1	071612-008	07/16/12 12:04
Blank	2G16006-BLK1	071612-009	07/16/12 12:22
GW0715	1207051-09	071612-012	07/16/12 13:14
GW0715	2G16006-MS1	071612-013	07/16/12 13:31
GW0715	2G16006-MSD1	071612-014	07/16/12 13:49
GW0715	2G16006-DUP1	071612-015	07/16/12 14:06
Calibration Check	2G20213-CCV2	071612-016	07/16/12 14:24
Calibration Blank	2G20213-CCB2	071612-017	07/16/12 14:41
GW0668	1207051-01	071612-018	07/16/12 14:59
GW0669	1207051-03	071612-019	07/16/12 15:16
GW0670	1207051-05	071612-020	07/16/12 15:33
GW0714	1207051-07	071612-021	07/16/12 15:51
GW0716	1207051-11	071612-022	07/16/12 16:08
GW0720	1207051-13	071612-023	07/16/12 16:26
GW0659	1207067-19	071612-024	07/16/12 16:43
GW0659	2G16006-MS2	071612-025	07/16/12 17:00
GW0659	2G16006-MSD2	071612-026	07/16/12 17:18
GW0659	2G16006-DUP2	071612-027	07/16/12 17:35
Calibration Check	2G20213-CCV3	071612-028	07/16/12 17:53
Calibration Blank	2G20213-CCB3	071612-029	07/16/12 18:10
GW0721	1207051-15	071612-030	07/16/12 18:27
GW0722	1207051-17	071612-031	07/16/12 18:45
GW0729	1207051-19	071612-032	07/16/12 19:02
GW0630	1207067-01	071612-033	07/16/12 19:20
GW0635	1207067-03	071612-034	07/16/12 19:37
GW0644	1207067-05	071612-035	07/16/12 19:55
GW0645	1207067-07	071612-036	07/16/12 20:12
GW0646	1207067-09	071612-037	07/16/12 20:29

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20213	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20213-CCV4	071612-038	07/16/12 20:47
Calibration Blank	2G20213-CCB4	071612-039	07/16/12 21:04

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20507	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20507-CCV1	071712-003	07/17/12 17:21
Calibration Blank	2G20507-CCB1	071712-004	07/17/12 17:38
Instrument RL Check	2G20507-CRL1	071712-005	07/17/12 17:55
LCS	2G17028-BS1	071712-008	07/17/12 18:48
Blank	2G17028-BLK1	071712-009	07/17/12 19:05
GW0716	1207051-11RE1	071712-010	07/17/12 19:22
Calibration Check	2G20507-CCV2	071712-020	07/17/12 22:17
Calibration Blank	2G20507-CCB2	071712-021	07/17/12 22:34

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20510	Instrument:	WC-Lachat
Calibration:	2205003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20510-CAL1	M_7-23-2012_12-59-50PM-00	07/23/12 13:01
Cal Standard	2G20510-CAL2	M_7-23-2012_12-59-50PM-00	07/23/12 13:02
Cal Standard	2G20510-CAL3	M_7-23-2012_12-59-50PM-00	07/23/12 13:03
Cal Standard	2G20510-CAL4	M_7-23-2012_12-59-50PM-00	07/23/12 13:04
Cal Standard	2G20510-CAL6	M_7-23-2012_12-59-50PM-00	07/23/12 13:05
Cal Standard	2G20510-CAL5	M_7-23-2012_12-59-50PM-00	07/23/12 13:05
Cal Standard	2G20510-CAL7	M_7-23-2012_12-59-50PM-00	07/23/12 13:06
Cal Standard	2G20510-CAL8	M_7-23-2012_12-59-50PM-00	07/23/12 13:07
Initial Cal Check	2G20510-ICV1	M_7-23-2012_12-59-50PM-00	07/23/12 13:08
Initial Cal Blank	2G20510-ICB1	M_7-23-2012_12-59-50PM-01	07/23/12 13:09
Blank	2G23002-BLK1	M_7-23-2012_12-59-50PM-01	07/23/12 13:10
LCS	2G23002-BS1	M_7-23-2012_12-59-50PM-01	07/23/12 13:11
GW0721	1207051-15	M_7-23-2012_12-59-50PM-01	07/23/12 13:16
GW0722	1207051-17	M_7-23-2012_12-59-50PM-01	07/23/12 13:17
GW0729	1207051-19	M_7-23-2012_12-59-50PM-01	07/23/12 13:18
Calibration Check	2G20510-CCV1	M_7-23-2012_12-59-50PM-02	07/23/12 13:23
Calibration Blank	2G20510-CCB1	M_7-23-2012_12-59-50PM-02	07/23/12 13:23

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20709	Instrument:	WC-Lachat
Calibration:	2207006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20709-CAL1	M_7-25-2012_12-32-48PM-00	07/25/12 12:34
Cal Standard	2G20709-CAL2	M_7-25-2012_12-32-48PM-00	07/25/12 12:36
Cal Standard	2G20709-CAL3	M_7-25-2012_12-32-48PM-00	07/25/12 12:37
Cal Standard	2G20709-CAL4	M_7-25-2012_12-32-48PM-00	07/25/12 12:39
Cal Standard	2G20709-CAL5	M_7-25-2012_12-32-48PM-00	07/25/12 12:40
Cal Standard	2G20709-CAL6	M_7-25-2012_12-32-48PM-00	07/25/12 12:42
Cal Standard	2G20709-CAL7	M_7-25-2012_12-32-48PM-00	07/25/12 12:43
Cal Standard	2G20709-CAL8	M_7-25-2012_12-32-48PM-00	07/25/12 12:45
Initial Cal Check	2G20709-ICV1	M_7-25-2012_12-32-48PM-00	07/25/12 12:46
Initial Cal Blank	2G20709-ICB1	M_7-25-2012_12-32-48PM-01	07/25/12 12:47
LCS	2G25011-BS1	M_7-25-2012_12-32-48PM-01	07/25/12 12:52
GW0630	1207067-01	M_7-25-2012_12-32-48PM-01	07/25/12 12:56
GW0630	2G25011-MS1	M_7-25-2012_12-32-48PM-01	07/25/12 12:58
GW0630	2G25011-MSD1	M_7-25-2012_12-32-48PM-01	07/25/12 12:59
GW0635	1207067-03	M_7-25-2012_12-32-48PM-01	07/25/12 13:00
GW0644	1207067-05	M_7-25-2012_12-32-48PM-02	07/25/12 13:02
GW0645	1207067-07	M_7-25-2012_12-32-48PM-02	07/25/12 13:03
GW0646	1207067-09	M_7-25-2012_12-32-48PM-02	07/25/12 13:05
GW0647	1207067-11	M_7-25-2012_12-32-48PM-02	07/25/12 13:06
GW0651	1207067-13	M_7-25-2012_12-32-48PM-02	07/25/12 13:08
GW0652	1207067-15	M_7-25-2012_12-32-48PM-02	07/25/12 13:09
Calibration Check	2G20709-CCV1	M_7-25-2012_12-32-48PM-02	07/25/12 13:11
Calibration Blank	2G20709-CCB1	M_7-25-2012_12-32-48PM-02	07/25/12 13:12
Blank	2G25011-BLK2	M_7-25-2012_12-32-48PM-02	07/25/12 13:14
GW0658	1207067-17	M_7-25-2012_12-32-48PM-02	07/25/12 13:15
GW0659	1207067-19	M_7-25-2012_12-32-48PM-03	07/25/12 13:16
GW0659	2G25011-MS2	M_7-25-2012_12-32-48PM-03	07/25/12 13:18
GW0659	2G25011-MSD2	M_7-25-2012_12-32-48PM-03	07/25/12 13:19
GW0660	1207067-21	M_7-25-2012_12-32-48PM-03	07/25/12 13:21
GW0701	1207067-23	M_7-25-2012_12-32-48PM-03	07/25/12 13:22
GW0702	1207067-25	M_7-25-2012_12-32-48PM-03	07/25/12 13:24
GW0727	1207067-27	M_7-25-2012_12-32-48PM-03	07/25/12 13:25

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20709	Instrument:	WC-Lachat
Calibration:	2207006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20709-CCV2	M_7-25-2012_12-32-48PM-03	07/25/12 13:27
Calibration Blank	2G20709-CCB2	M_7-25-2012_12-32-48PM-03	07/25/12 13:28

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20710	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2G20710-CCV1	072412-003	07/24/12 15:09
Calibration Blank	2G20710-CCB1	072412-004	07/24/12 15:27
Instrument RL Check	2G20710-CRL1	072412-005	07/24/12 15:44
Instrument RL Check	2G20710-CRL3	072412-007	07/24/12 16:19
LCS	2G24015-BS1	072412-008	07/24/12 16:36
Blank	2G24015-BLK1	072412-010	07/24/12 17:11
Calibration Check	2G20710-CCV2	072412-024	07/24/12 21:18
Calibration Blank	2G20710-CCB2	072412-025	07/24/12 21:36
Calibration Check	2G20710-CCV3	072412-036	07/25/12 00:47
Calibration Blank	2G20710-CCB3	072412-037	07/25/12 01:05
GW0647	1207067-11	072412-044	07/25/12 03:07
GW0647	2G24015-MS1	072412-045	07/25/12 03:24
GW0647	2G24015-MSD1	072412-046	07/25/12 03:41
GW0647	2G24015-DUP1	072412-047	07/25/12 03:59
Calibration Check	2G20710-CCV4	072412-048	07/25/12 04:16
Calibration Blank	2G20710-CCB4	072412-049	07/25/12 04:34
GW0651	1207067-13	072412-051	07/25/12 05:08
GW0652	1207067-15	072412-052	07/25/12 05:26
GW0658	1207067-17	072412-053	07/25/12 05:43
GW0660	1207067-21	072412-054	07/25/12 06:01
GW0701	1207067-23	072412-055	07/25/12 06:18
Calibration Check	2G20710-CCV5	072412-060	07/25/12 07:45
Calibration Blank	2G20710-CCB5	072412-061	07/25/12 08:03
GW0702	1207067-25	072412-062	07/25/12 08:20
GW0727	1207067-27	072412-063	07/25/12 08:37
Calibration Check	2G20710-CCV6	072412-069	07/25/12 10:22
Calibration Blank	2G20710-CCB6	072412-070	07/25/12 10:39

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20808	Instrument:	WC-Lachat
Calibration:	2208002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2G20808-CAL1	M_7-26-2012_02-37-44PM-00	07/26/12 14:38
Cal Standard	2G20808-CAL2	M_7-26-2012_02-37-44PM-00	07/26/12 14:39
Cal Standard	2G20808-CAL3	M_7-26-2012_02-37-44PM-00	07/26/12 14:40
Cal Standard	2G20808-CAL4	M_7-26-2012_02-37-44PM-00	07/26/12 14:41
Cal Standard	2G20808-CAL5	M_7-26-2012_02-37-44PM-00	07/26/12 14:42
Cal Standard	2G20808-CAL6	M_7-26-2012_02-37-44PM-00	07/26/12 14:43
Cal Standard	2G20808-CAL7	M_7-26-2012_02-37-44PM-00	07/26/12 14:44
Cal Standard	2G20808-CAL8	M_7-26-2012_02-37-44PM-00	07/26/12 14:45
Initial Cal Check	2G20808-ICV1	M_7-26-2012_02-37-44PM-00	07/26/12 14:46
Initial Cal Blank	2G20808-ICB1	M_7-26-2012_02-37-44PM-01	07/26/12 14:47
Blank	2G25002-BLK1	M_7-26-2012_02-37-44PM-01	07/26/12 14:48
LCS	2G25002-BS1	M_7-26-2012_02-37-44PM-01	07/26/12 14:49
GW0668	1207051-01	M_7-26-2012_02-37-44PM-01	07/26/12 14:50
GW0669	1207051-03	M_7-26-2012_02-37-44PM-01	07/26/12 14:51
GW0670	1207051-05	M_7-26-2012_02-37-44PM-01	07/26/12 14:52
GW0714	1207051-07	M_7-26-2012_02-37-44PM-01	07/26/12 14:53
GW0715	1207051-09	M_7-26-2012_02-37-44PM-01	07/26/12 14:54
GW0715	2G25002-MS1	M_7-26-2012_02-37-44PM-01	07/26/12 14:55
GW0715	2G25002-MSD1	M_7-26-2012_02-37-44PM-02	07/26/12 14:56
GW0716	1207051-11	M_7-26-2012_02-37-44PM-02	07/26/12 14:57
GW0720	1207051-13	M_7-26-2012_02-37-44PM-02	07/26/12 14:58
GW0630	1207067-01	M_7-26-2012_02-37-44PM-02	07/26/12 14:59
GW0635	1207067-03	M_7-26-2012_02-37-44PM-02	07/26/12 15:00
Calibration Check	2G20808-CCV1	M_7-26-2012_02-37-44PM-02	07/26/12 15:01
Calibration Blank	2G20808-CCB1	M_7-26-2012_02-37-44PM-02	07/26/12 15:02
GW0644	1207067-05	M_7-26-2012_02-37-44PM-02	07/26/12 15:03
GW0645	1207067-07	M_7-26-2012_02-37-44PM-02	07/26/12 15:04
GW0646	1207067-09	M_7-26-2012_02-37-44PM-02	07/26/12 15:05
GW0647	1207067-11	M_7-26-2012_02-37-44PM-03	07/26/12 15:06
GW0651	1207067-13	M_7-26-2012_02-37-44PM-03	07/26/12 15:07
GW0652	1207067-15	M_7-26-2012_02-37-44PM-03	07/26/12 15:08
GW0660	1207067-21	M_7-26-2012_02-37-44PM-03	07/26/12 15:09

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_056
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G20808	Instrument:	WC-Lachat
Calibration:	2208002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0658	1207067-17	M_7-26-2012_02-37-44PM-03	07/26/12 15:09
GW0701	1207067-23	M_7-26-2012_02-37-44PM-03	07/26/12 15:10
GW0702	1207067-25	M_7-26-2012_02-37-44PM-03	07/26/12 15:11
Calibration Check	2G20808-CCV2	M_7-26-2012_02-37-44PM-03	07/26/12 15:12
Calibration Blank	2G20808-CCB2	M_7-26-2012_02-37-44PM-03	07/26/12 15:13
Blank	2G26002-BLK1	M_7-26-2012_02-37-44PM-04	07/26/12 15:15
LCS	2G26002-BS1	M_7-26-2012_02-37-44PM-04	07/26/12 15:16
GW0659	1207067-19	M_7-26-2012_02-37-44PM-04	07/26/12 15:17
GW0659	2G26002-MS1	M_7-26-2012_02-37-44PM-04	07/26/12 15:18
GW0659	2G26002-MSD1	M_7-26-2012_02-37-44PM-04	07/26/12 15:19
GW0727	1207067-27	M_7-26-2012_02-37-44PM-04	07/26/12 15:20
Calibration Check	2G20808-CCV3	M_7-26-2012_02-37-44PM-04	07/26/12 15:21
Calibration Blank	2G20808-CCB3	M_7-26-2012_02-37-44PM-04	07/26/12 15:22