ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_060

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

SUBMITTAL TO:
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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

The following samples have observable headspace: GW8059-AB for SW8260B came with two HCL preserved vials with larger than pea-sized headspace in both vials, both vials for SW8260B for sample GW8221-TB have grain-sized headspace, and there is a half-inch from the top of headspace in the SW8011 vial for GW0706.

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

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

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

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

SW8260B:
Note – Sample 1208065-05 and -09 were analyzed at a 5x only due to sample foaming during screening.

The following continuing calibration verifications exceeded criteria:
2H22302-CCV1 with a positive bias for 2-Butanone, 2-Hexanone, and 4-Methyl-2-pentanone
2H22601-CCV1 with a positive bias for 2-Butanone, 2-Hexanone, and 4-Methyl-2-pentanone
2H23301-CCV1 with a positive bias for Bromomethane and 4-Methyl-2-pentanone
2H23403-CCV1 with a negative bias for Acetone

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

SW8270D BNA:
The following surrogates exceeded criteria:
2-Fluorobiphenyl was diluted out in 1208055-01RE1, -13, -13RE1, 1208078-05RE1, and -07RE1,
2-Fluorophenol with a negative bias in 1208065-05, -13, 1208078-07, and 2H14019-BLK1 and was diluted out in 1208055-01RE1, -13, -13RE1, 1208078-01, -03, -05, -05RE1, and -07RE1
Nitrobenzene-d5 was diluted out in 1208055-01RE1, -13, -13RE1, 1208078-05RE1, and -07RE1
Phenol-d6 was diluted out in 1208055-01RE1, -13, -13RE1, 1208078-03, -05RE1, and -07RE1
Terphenyl-d14 with a negative bias in 1208078-03 and was diluted out in 1208055-01RE1, -13, -13RE1, 1208078-05RE1, and -07RE1
2,4,6-Tribromophenol with a negative bias in 1208065-13, 1208078-01, and -05 and was diluted out in 1208055-01RE1, -13, -13RE1, 1208078-03, -05RE1, and -07RE1

The following batch spikes exceeded criteria:
2H10008-BS1/BSD1 with a positive bias for 2-Nitroaniline and exceeded relative percent difference criteria for Benzidine, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, Pentachlorophenol, and 2,4,6-Trichlorophenol
2H13023-BS1/BSD1 exceeded relative percent difference criteria for Benzoic Acid, Caprolactam, and 2,4-Dinitrophenol

The following continuing calibration verifications exceeded criteria:
2H23622-CCV1 with a positive bias for Terphenyl-d14
2H24014-CCV1 with a negative bias for Benzoic Acid and with a positive bias for Terphenyl-d14
2H24101-CCV1 with a positive bias for Terphenyl-d14
2H24201-CCV1 with a positive bias for Terphenyl-d14

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

SW8015B DRO:
The following samples were extracted outside of the method recommended holding time of 7 days:
1208078-07RE1 was extracted 8 days after sampling due to a laboratory error

The following surrogates exceeded the retention time window:
o-Terphenyl in 1208055-03, -05, -07, -09, -11, -15, -17, -19, -21, 1208065-01, -03, -05, -07, 2H22707-CCV3; 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 continuing calibration verifications exceeded criteria:
2H24010-CCV2 with a positive bias for Gasoline Range Organics

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 no recovery on both columns in 1208055-01RE1, -13RE1, 1208078-01, -03, -05RE1, and -07RE1 and with a positive bias on column 1 in 2H14003-BLK1 and 2H1929-BLK1; note – the surrogate was diluted out in 1208055-01RE1, -13RE1, 1208078-01, -03, -05RE1, and -07RE1

The following continuing calibration verifications exceeded criteria:
2H23303-CCV1 with a positive bias on both columns for 1,3-Dibromopropane
2H23513-CCV1 with a positive bias on both columns for 1,3-Dibromopropane
2H23515-CCV1 with a positive bias on both columns for 1,3-Dibromopropane
2H23515-CCV2 with a positive bias on column 1 for 1,3-Dibromopropane
2H23625-CCV1 with a positive bias on column 1 for 1,3-Dibromopropane
2H23625-CCV2 with a positive bias on column 1 for 1,3-Dibromopropane
2H24013-CCV1 with a positive bias on both columns for 1,3-Dibromopropane and on column 2 for 1,2-Dibromoethane
2H24013-CCV2 with a positive bias on both columns for 1,3-Dibromopropane and on column 2 for 1,2-Dibromoethane

Note – Sample 1208078-05RE1 is reported from the lower concentration from the in control column.

The following surrogates exceeded the retention time window:
1,3-Dibromopropane in 1208078-09 and 2H23515-CCV2, exhibited a shift outside the retention time window for 1,2-Dibromoethane and the surrogate, 1,3-Dibromopropane. As the analyte and surrogate shift were consistent the CCV results were reported from an appropriately widened RT window for 2H23515-CCV2. The window was also appropriately widened for 1,2-Dibromoethane in sample 1208078-09 and no positive results were detected on either column for 1,2-Dibromoethane in this widened window.

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

SW6010B:
The following continuing calibration verifications exceeded criteria:
2H22909-CCV7 with a positive bias for Manganese (dissolved)
2H22909-CCV8 with a positive bias for Manganese (dissolved)

The following blanks have reported results:
2H08014-BLK1 for Sodium; note – the concentration for Sodium in the blank is less than ½ the LOQ

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 1208055-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, 1208065-01, -03, -05, -07, -09, -11, -13, 1208078-01, -03, -05, -07, and -09
Chloride (2.5mg/L) 1208055-05, -07, -09, -11, -13, -15, -17, and -19

The following initial/continuing calibration verifications exceeded criteria:
2H23628-CCV1 with a negative bias for Nitrate/Nitrite as N
2H23628-CCV2 with a negative bias for Nitrate/Nitrite as N
2H23628-ICV2 with a negative bias for Nitrate/Nitrite as N
2H23628-CCV3 with a negative bias for Nitrate/Nitrite as N

The following matrix spikes exceeded criteria:
2H23624-MS2/MSD2 (1208055-19) with a negative bias for Nitrate/Nitrite as N

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

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

Analytical Report Terms and Qualifiers

DL: The detection limit (DL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The DL is supported by the method detection limit (MDL) which is determined from analysis of a sample containing the analyte in a given matrix.

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

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

*****: Exceeding quality control criteria are associated with the reported result.

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard exceeded criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters

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

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

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

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

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, the Data Quality Manager, Technical Directors or Project Managers are authorized to sign this Statement of Data Authenticity.

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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

1208055

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW221

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

Samples Shipment Date: 07 AUG 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618883

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation): Shaw Date: 8-7-12 Time: 1500
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 Lewis Date: 8-8-12 Time: 0815

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 GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1208055

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW221

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0687	KAFB-106059-WG-GW0687-REG	06 AUG 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0688	KAFB-106060-WG-GW0688-REG	06 AUG 2012	13:29	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0689	KAFB-106061-WG-GW0689-REG	06 AUG 2012	11:11	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1208055

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW221

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0704	KAFB-106073-WG-GW0704-REG	06 AUG 2012	13:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0705	KAFB-106074-WG-GW0705-REG	06 AUG 2012	11:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
11	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0706	KAFB-106075-WG-GW0706-REG	06 AUG 2012	15:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW221

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
14	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0707	KAFB-106076-WG-GW0707-REG	07 AUG 2012	10:46	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
15	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
16	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0734	KAFB-106099-WG-GW0734-REG	07 AUG 2012	12:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
17	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
18	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
17	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW221

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
17	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0735	KAFB-106100-WG-GW0735-REG	07 AUG 2012	10:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
19	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0736	KAFB-106100-WG-GW0736-FD	07 AUG 2012	10:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
21	GW8056-RB	FIELDQC-BW-GW8056-RB-ER	07 AUG 2012	08:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW8056-RB	FIELDQC-BW-GW8056-RB-ER	07 AUG 2012	08:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW8056-RB	FIELDQC-BW-GW8056-RB-ER	07 AUG 2012	08:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW8056-RB	FIELDQC-BW-GW8056-RB-ER	07 AUG 2012	08:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW8056-RB	FIELDQC-BW-GW8056-RB-ER	07 AUG 2012	08:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
22	GW8056-RB	FIELDQC-BW-GW8056-RB-ER	07 AUG 2012	08:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
23	GW8221-TB	FIELDQC-BW-GW8221-TB-TB	06 AUG 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 08/08/12 @ 00815

1. Tracking # 8883 (last 4 digits, FedEx) WO# 1208055

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

* Grain-sized headspace in both Trip Blank vials

* Half inch from the top of headspace in an EDB vial of sample GW0706 ~~vial~~ vial JD 8-8-12

Cooler Received/Opened On_ 08/08/12 @ 00815

1. Tracking # 8894 (last 4 digits, FedEx) WO# 1208055

Courier: ___FED-EX

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

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

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

If yes, how many and where: \FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 08/08/12 @ 00815

WO# 1208055

1. Tracking # 8909 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 08/08/12 @ 00815

1. Tracking # 8910 (last 4 digits, FedEx) WO# 1208055

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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) JP

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 08/08/12 @ 00815

1. Tracking #_8920_(last 4 digits, FedEx) WO# 1208055

Courier: ___FED-EX

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

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

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

If yes, how many and where: 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_ 08/08/12 @ 00815

1. Tracking # 8931 (last 4 digits, FedEx) WO# 1208055

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 29 *Degrees Celsius + correction factor - 0.2* = 27

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

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

If yes, how many and where: FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

1208065

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW222

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

Samples Shipment Date: 08 AUG 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618924

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 8-8-12 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 denble jr. Date: 8-9-12 Time: 0820

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1208065

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW222

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0633	KAFB-106006-WG-GW0633-REG	08 AUG 2012	14:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0634	KAFB-106006-WG-GW0634-FD	08 AUG 2012	14:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0636	KAFB-106008-WG-GW0636-REG	08 AUG 2012	10:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1208065

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW222

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0642	KAFB-106015-WG-GW0642-REG	07 AUG 2012	15:19	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0695	KAFB-106065-WG-GW0695-REG	08 AUG 2012	13:56	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
11	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0696	KAFB-106066-WG-GW0696-REG	08 AUG 2012	11:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		

1208065

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW222

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
14	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0733	KAFB-106004-WG-GW0733-REG	07 AUG 2012	15:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
16	GW8057-RB	FIELDQC-BW-GW8057-RB-ER	08 AUG 2012	08:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW8057-RB	FIELDQC-BW-GW8057-RB-ER	08 AUG 2012	08:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW8057-RB	FIELDQC-BW-GW8057-RB-ER	08 AUG 2012	08:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW8057-RB	FIELDQC-BW-GW8057-RB-ER	08 AUG 2012	08:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW8057-RB	FIELDQC-BW-GW8057-RB-ER	08 AUG 2012	08:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW8057-RB	FIELDQC-BW-GW8057-RB-ER	08 AUG 2012	08:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
17	GW8059-AB	FIELDQC-BW-GW8059-AB-AB	08 AUG 2012	11:32	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
18	GW8222-TB	FIELDQC-BW-GW8222-TB-TB	08 AUG 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 08/09/12 @ 0820

1. Tracking #_8942_(last 4 digits, FedEx) WO# 1208065

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.7 Degrees Celsius + correction factor - 0.2 = 3.5

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

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

If yes, how many and where: 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 * JD 8-9-12

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

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

* GW8059-AB came with two HCl preserved vials that had headspace larger than pea-sized in both vials.

* An EDB vial for GW0642 arrived empty.

Cooler Received/Opened On_ 08/09/12 @ 0820

WO# 1208065

1. Tracking # 8953 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.6 *Degrees Celsius + correction factor - 0.2* = 2.4

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) DJ

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_ 08/09/12 @ 0820

1. Tracking # 8964 (last 4 digits, FedEx) WO# 1208065

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...(NA) If multiple coolers, sequence # 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_ 08/09/12 @ 0820

WO# 1208065

1. Tracking # 8975 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.7 *Degrees Celsius + correction factor - 0.2* = 3.5

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 08/09/12 @ 0820

1. Tracking # 8986 (last 4 digits, FedEx) WO# 1208065

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius + correction factor - 0.2* = 4.1

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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:

1208078

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW223

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

Samples Shipment Date: 09 AUG 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618997

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 8-9-12 Time: 1530
1. Received By (Signature/Affiliation) Date: Time:
2. Relinquished By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) jack deville jr. Date: 8-10-12 Time: 0820

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01 ~~03~~	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		

288-10-12

1208078

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW223

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0632	KAFB-106005-WG-GW0632-REG	09 AUG 2012	14:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0637	KAFB-106009-WG-GW0637-REG	09 AUG 2012	14:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0641	KAFB-106014-WG-GW0641-REG	09 AUG 2012	10:48	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

1208078

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW223

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0694	KAFB-106028-510-WG-GW0694-REG	08 AUG 2012	16:48	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
10	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0708	KAFB-106077-WG-GW0708-REG	09 AUG 2012	11:02	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
11	GW8223-TB	FIELDQC-BW-GW8223-TB-TB	09 AUG 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 08/10/12 @ 0820

1. Tracking # 8897 (last 4 digits, FedEx) WO# 1208078

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.2 *Degrees Celsius + correction factor - 0.2* = 4.0

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

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

If yes, how many and where: 1-FRONT

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

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

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

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_ 08/10/12 @ 0820

1. Tracking #_9000_(last 4 digits, FedEx) WO# 1208078

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.6 *Degrees Celsius + correction factor - 0.2* = 2.4

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) DD

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_ 08/10/12 @ 0820

1. Tracking # 9011 (last 4 digits, FedEx) WO# 1208078

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.0 Degrees Celsius + correction factor - 0.2 = 3.8

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

WORK ORDER

Printed: 8/9/2012 12:37:29PM

1208055

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: 08/29/2012 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: 08/08/2012 08:15
Logged In By: Jack Deville
Date Logged In: 08/08/2012 10:31

Samples Received at: **2.5°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
1208055-01 GW0687 [Water] Sampled 08/06/2012 16:08 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/02/2013 17:08	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/03/2012 17:08	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/03/2012 17:08	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/13/2012 17:08	
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/20/2012 17:08	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/03/2012 17:08	
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/13/2012 17:08	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/13/2012 17:08	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 17:08	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/20/2012 17:08	
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/20/2012 17:08	Run dilutions based on 8260 results!
1208055-02 GW0687 [Water] Sampled 08/06/2012 16:08 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/02/2013 17:08	Fe & Mn

1208055

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
1208055-03 GW0688 [Water] Sampled 08/06/2012 13:29 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 14:29	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/20/2012 14:29	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/20/2012 14:29	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/02/2013 14:29	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/03/2012 14:29	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/13/2012 14:29	
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/20/2012 14:29	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/03/2012 14:29	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/13/2012 14:29	
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/03/2012 14:29	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/13/2012 14:29	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1208055-04 GW0688 [Water] Sampled 08/06/2012 13:29 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/02/2013 14:29	Fe & Mn
1208055-05 GW0689 [Water] Sampled 08/06/2012 11:11 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/20/2012 12:11	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/13/2012 12:11	
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/03/2012 12:11	
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/03/2012 12:11	Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/13/2012 12:11	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 12:11	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/03/2012 12:11	
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/20/2012 12:11	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/13/2012 12:11	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/02/2013 12:11	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/20/2012 12:11	
1208055-06 GW0689 [Water] Sampled 08/06/2012 11:11 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/02/2013 12:11	Fe & Mn

1208055

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
1208055-07 GW0704 [Water] Sampled 08/06/2012 13:25 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/03/2012 14:25	Cl, SO4
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 14:25	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/03/2012 14:25	
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/20/2012 14:25	
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/03/2012 14:25	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/02/2013 14:25	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/13/2012 14:25	
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/20/2012 14:25	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/13/2012 14:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/13/2012 14:25	
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/20/2012 14:25	carb/bicarb
1208055-08 GW0704 [Water] Sampled 08/06/2012 13:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/02/2013 14:25	Fe & Mn
1208055-09 GW0705 [Water] Sampled 08/06/2012 11:25 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/20/2012 12:25	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/03/2012 12:25	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/03/2012 12:25	
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/13/2012 12:25	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/02/2013 12:25	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/13/2012 12:25	
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/20/2012 12:25	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/03/2012 12:25	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/13/2012 12:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/20/2012 12:25	
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 12:25	naphthalene must be reported
1208055-10 GW0705 [Water] Sampled 08/06/2012 11:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/02/2013 12:25	Fe & Mn

1208055

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
1208055-11 GW0706 [Water] Sampled 08/06/2012 15:25 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/13/2012 16:25	
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/20/2012 16:25	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/13/2012 16:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/20/2012 16:25	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/02/2013 16:25	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 16:25	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/20/2012 16:25	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/03/2012 16:25	
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/03/2012 16:25	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/03/2012 16:25	
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/13/2012 16:25	
1208055-12 GW0706 [Water] Sampled 08/06/2012 15:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/02/2013 16:25	Fe & Mn
1208055-13 GW0707 [Water] Sampled 08/07/2012 10:46 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/04/2012 11:46	
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/04/2012 11:46	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/04/2012 11:46	
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/21/2012 11:46	carb/bicarb
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/21/2012 11:46	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/21/2012 11:46	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/14/2012 11:46	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/21/2012 11:46	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/14/2012 11:46	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/03/2013 11:46	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/14/2012 11:46	
1208055-14 GW0707 [Water] Sampled 08/07/2012 10:46 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/03/2013 11:46	Fe & Mn

1208055

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
1208055-15 GW0734 [Water] Sampled 08/07/2012 12:55 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/04/2012 13:55	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/14/2012 13:55	
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/21/2012 13:55	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/14/2012 13:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/21/2012 13:55	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/04/2012 13:55	
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/21/2012 13:55	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/21/2012 13:55	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/03/2013 13:55	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/14/2012 13:55	
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/04/2012 13:55	Cl, SO4
1208055-16 GW0734 [Water] Sampled 08/07/2012 12:55 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/03/2013 13:55	Fe & Mn
1208055-17 GW0735 [Water] Sampled 08/07/2012 10:27 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/21/2012 11:27	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/14/2012 11:27	
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/04/2012 11:27	
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/04/2012 11:27	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/04/2012 11:27	
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/21/2012 11:27	carb/bicarb
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/21/2012 11:27	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/14/2012 11:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/14/2012 11:27	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/03/2013 11:27	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/21/2012 11:27	
1208055-18 GW0735 [Water] Sampled 08/07/2012 10:27 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/03/2013 11:27	Fe & Mn

1208055

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
1208055-19 GW0736 [Water] Sampled 08/07/2012 10:27 Mountain 'Field Duplicate'					
SW8011	SGC_EDB_8011	08/24/2012 14:00	15	08/21/2012 11:27	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	08/24/2012 14:00	15	09/04/2012 11:27	
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/03/2013 11:27	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	08/24/2012 14:00	15	08/14/2012 11:27	
E300.0	WC_ANIONS_300.0 (Regular)	08/24/2012 14:00	15	09/04/2012 11:27	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/24/2012 14:00	15	09/04/2012 11:27	
SM2320B	WC_ALKALINITY_2320B	08/24/2012 14:00	15	08/21/2012 11:27	carb/bicarb
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/21/2012 11:27	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/21/2012 11:27	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/14/2012 11:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/14/2012 11:27	
1208055-20 GW0736 [Water] Sampled 08/07/2012 10:27 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/03/2013 11:27	Fe & Mn
1208055-21 GW8056-RB [Water] Sampled 08/07/2012 08:20 Mountain 'Equipment Rinsate'					
SW6010B	MET_ICP_6010B_FULL	08/24/2012 14:00	15	02/03/2013 09:20	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/24/2012 14:00	15	08/14/2012 09:20	
SW8270D	SMS_BNA_8270D_3510_REG	08/24/2012 14:00	15	08/14/2012 09:20	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/24/2012 14:00	15	08/21/2012 09:20	
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/21/2012 09:20	naphthalene must be reported
1208055-22 GW8056-RB [Water] Sampled 08/07/2012 08:20 Mountain 'Equipment Rinsate'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/24/2012 14:00	15	02/03/2013 09:20	Fe & Mn
1208055-23 GW8221-TB [Water] Sampled 08/06/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	08/24/2012 14:00	15	08/20/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 8/9/2012 3:56:17PM

1208065

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: 08/30/2012 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: 08/09/2012 08:20
Logged In By: Jack Deville
Date Logged In: 08/09/2012 09:48

Samples Received at: **3.5°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
1208065-01 GW0633 [Water] Sampled 08/08/2012 14:58 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/05/2012 15:58	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/15/2012 15:58	
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/05/2012 15:58	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/04/2013 15:58	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/22/2012 15:58	carb/bicarb
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 15:58	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/22/2012 15:58	
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/15/2012 15:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/22/2012 15:58	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/15/2012 15:58	
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/05/2012 15:58	
1208065-02 GW0633 [Water] Sampled 08/08/2012 14:58 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/04/2013 15:58	Fe & Mn

1208065

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
1208065-03 GW0634 [Water] Sampled 08/08/2012 14:58 Mountain 'Field Duplicate'					
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 15:58	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/15/2012 15:58	
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/05/2012 15:58	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/05/2012 15:58	
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/22/2012 15:58	carb/bicarb
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/15/2012 15:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/22/2012 15:58	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/15/2012 15:58	
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/04/2013 15:58	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/22/2012 15:58	
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/05/2012 15:58	
1208065-04 GW0634 [Water] Sampled 08/08/2012 14:58 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/04/2013 15:58	Fe & Mn
1208065-05 GW0636 [Water] Sampled 08/08/2012 10:54 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/15/2012 11:54	
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/05/2012 11:54	
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/05/2012 11:54	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/05/2012 11:54	
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/22/2012 11:54	carb/bicarb
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 11:54	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/22/2012 11:54	
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/15/2012 11:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/22/2012 11:54	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/04/2013 11:54	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/15/2012 11:54	
1208065-06 GW0636 [Water] Sampled 08/08/2012 10:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/04/2013 11:54	Fe & Mn

1208065

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
1208065-07 GW0642 [Water] Sampled 08/07/2012 15:19 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/21/2012 16:19	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/14/2012 16:19	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/04/2012 16:19	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/14/2012 16:19	
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/14/2012 16:19	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/04/2012 16:19	
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/03/2013 16:19	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/21/2012 16:19	
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/21/2012 16:19	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/04/2012 16:19	Cl, SO4
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/21/2012 16:19	naphthalene must be reported
1208065-08 GW0642 [Water] Sampled 08/07/2012 15:19 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/03/2013 16:19	Fe & Mn
1208065-09 GW0695 [Water] Sampled 08/08/2012 13:56 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/05/2012 14:56	
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/22/2012 14:56	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 14:56	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/22/2012 14:56	
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/15/2012 14:56	
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/15/2012 14:56	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/04/2013 14:56	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/22/2012 14:56	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/05/2012 14:56	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/05/2012 14:56	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/15/2012 14:56	
1208065-10 GW0695 [Water] Sampled 08/08/2012 13:56 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/04/2013 14:56	Fe & Mn

1208065

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
1208065-11 GW0696 [Water] Sampled 08/08/2012 11:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/04/2013 12:32	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/15/2012 12:32	
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/05/2012 12:32	
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/05/2012 12:32	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/05/2012 12:32	
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/15/2012 12:32	
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/22/2012 12:32	
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/15/2012 12:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 12:32	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/22/2012 12:32	carb/bicarb
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/22/2012 12:32	Run dilutions based on 8260 results!
1208065-12 GW0696 [Water] Sampled 08/08/2012 11:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/04/2013 12:32	Fe & Mn
1208065-13 GW0733 [Water] Sampled 08/07/2012 15:05 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/27/2012 14:00	15	09/04/2012 16:05	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/27/2012 14:00	15	09/04/2012 16:05	
SM2320B	WC_ALKALINITY_2320B	08/27/2012 14:00	15	08/21/2012 16:05	carb/bicarb
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/21/2012 16:05	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/21/2012 16:05	
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/14/2012 16:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/03/2013 16:05	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	08/27/2012 14:00	15	09/04/2012 16:05	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/27/2012 14:00	15	08/14/2012 16:05	
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/14/2012 16:05	
SW8011	SGC_EDB_8011	08/27/2012 14:00	15	08/21/2012 16:05	Run dilutions based on 8260 results!
1208065-14 GW0733 [Water] Sampled 08/07/2012 15:05 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/03/2013 16:05	Fe & Mn

1208065

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
1208065-15 GW8057-RB [Water] Sampled 08/08/2012 08:20 Mountain 'Equipment Rinsate'					
SW6010B	MET_ICP_6010B_FULL	08/27/2012 14:00	15	02/04/2013 09:20	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/27/2012 14:00	15	08/15/2012 09:20	
SW8270D	SMS_BNA_8270D_3510_REG	08/27/2012 14:00	15	08/15/2012 09:20	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/27/2012 14:00	15	08/22/2012 09:20	
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 09:20	naphthalene must be reported
1208065-16 GW8057-RB [Water] Sampled 08/08/2012 08:20 Mountain 'Equipment Rinsate'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/27/2012 14:00	15	02/04/2013 09:20	Fe & Mn
1208065-17 GW8059-AB [Water] Sampled 08/08/2012 11:32 Mountain 'Ambient Blank'					**headspace in both vials**
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 12:32	headspace, naphthalene must be reported
1208065-18 GW8222-TB [Water] Sampled 08/08/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	08/27/2012 14:00	15	08/22/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 8/10/2012 11:55:51AM

1208078

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: 08/31/2012 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: 08/10/2012 08:20
Logged In By: Jack Deville
Date Logged In: 08/10/2012 09:14

Samples Received at: **4°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1208078-01 GW0632 [Water] Sampled 08/09/2012 14:47 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	08/28/2012 14:00	15	09/06/2012 15:47	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	08/28/2012 14:00	15	02/05/2013 15:47	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	08/28/2012 14:00	15	09/06/2012 15:47	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/28/2012 14:00	15	09/06/2012 15:47	
SM2320B	WC_ALKALINITY_2320B	08/28/2012 14:00	15	08/23/2012 15:47	carb/bicarb
SW8260B	VOC_8260B_REG	08/28/2012 14:00	15	08/23/2012 15:47	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/28/2012 14:00	15	08/23/2012 15:47	
SW8270D	SMS_BNA_8270D_3510_REG	08/28/2012 14:00	15	08/16/2012 15:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/28/2012 14:00	15	08/23/2012 15:47	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/28/2012 14:00	15	08/16/2012 15:47	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/28/2012 14:00	15	08/16/2012 15:47	
1208078-02 GW0632 [Water] Sampled 08/09/2012 14:47 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/28/2012 14:00	15	02/05/2013 15:47	Fe & Mn

1208078

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
1208078-03 GW0637 [Water] Sampled 08/09/2012 14:01 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	08/28/2012 14:00	15	08/23/2012 15:01	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	08/28/2012 14:00	15	08/23/2012 15:01	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	08/28/2012 14:00	15	08/16/2012 15:01	
E353.2	WC_NO3NO2_N_353.2	08/28/2012 14:00	15	09/06/2012 15:01	
E300.0	WC_ANIONS_300.0 (Regular)	08/28/2012 14:00	15	09/06/2012 15:01	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/28/2012 14:00	15	09/06/2012 15:01	
SW8260B	VOC_8260B_REG	08/28/2012 14:00	15	08/23/2012 15:01	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	08/28/2012 14:00	15	08/16/2012 15:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	08/28/2012 14:00	15	08/16/2012 15:01	
SW6010B	MET_ICP_6010B_FULL	08/28/2012 14:00	15	02/05/2013 15:01	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	08/28/2012 14:00	15	08/23/2012 15:01	
1208078-04 GW0637 [Water] Sampled 08/09/2012 14:01 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/28/2012 14:00	15	02/05/2013 15:01	Fe & Mn
1208078-05 GW0641 [Water] Sampled 08/09/2012 10:48 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/28/2012 14:00	15	09/06/2012 11:48	
SW6010B	MET_ICP_6010B_FULL	08/28/2012 14:00	15	02/05/2013 11:48	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	08/28/2012 14:00	15	08/16/2012 11:48	
SW8011	SGC_EDB_8011	08/28/2012 14:00	15	08/23/2012 11:48	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	08/28/2012 14:00	15	08/16/2012 11:48	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	08/28/2012 14:00	15	08/23/2012 11:48	
E300.0	WC_ANIONS_300.0 (Regular)	08/28/2012 14:00	15	09/06/2012 11:48	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	08/28/2012 14:00	15	09/06/2012 11:48	
SM4500S2CF	WC_SULFIDE_4500S2CF	08/28/2012 14:00	15	08/16/2012 11:48	
SW8260B	VOC_8260B_REG	08/28/2012 14:00	15	08/23/2012 11:48	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	08/28/2012 14:00	15	08/23/2012 11:48	carb/bicarb
1208078-06 GW0641 [Water] Sampled 08/09/2012 10:48 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/28/2012 14:00	15	02/05/2013 11:48	Fe & Mn

1208078

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
1208078-07 GW0694 [Water] Sampled 08/08/2012 16:48 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	08/28/2012 14:00	15	09/05/2012 17:48	
SW8260B	VOC_8260B_REG	08/28/2012 14:00	15	08/22/2012 17:48	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	08/28/2012 14:00	15	08/22/2012 17:48	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/28/2012 14:00	15	09/05/2012 17:48	
E300.0	WC_ANIONS_300.0 (Regular)	08/28/2012 14:00	15	09/05/2012 17:48	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	08/28/2012 14:00	15	08/22/2012 17:48	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	08/28/2012 14:00	15	08/15/2012 17:48	
SW8270D	SMS_BNA_8270D_3510_REG	08/28/2012 14:00	15	08/15/2012 17:48	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/28/2012 14:00	15	08/22/2012 17:48	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	08/28/2012 14:00	15	08/15/2012 17:48	
SW6010B	MET_ICP_6010B_FULL	08/28/2012 14:00	15	02/04/2013 17:48	Ca, Pb, K, Na, Mg
1208078-08 GW0694 [Water] Sampled 08/08/2012 16:48 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/28/2012 14:00	15	02/04/2013 17:48	Fe & Mn
1208078-09 GW0708 [Water] Sampled 08/09/2012 11:02 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	08/28/2012 14:00	15	08/23/2012 12:02	
SW8015B DRO	SGC_DRO_8015B_3510	08/28/2012 14:00	15	08/16/2012 12:02	
SW8270D	SMS_BNA_8270D_3510_REG	08/28/2012 14:00	15	08/16/2012 12:02	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	08/28/2012 14:00	15	08/23/2012 12:02	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	08/28/2012 14:00	15	08/23/2012 12:02	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	08/28/2012 14:00	15	08/16/2012 12:02	
E353.2	WC_NO3NO2_N_353.2	08/28/2012 14:00	15	09/06/2012 12:02	
E300.0	WC_ANIONS_300.0 (Regular)	08/28/2012 14:00	15	09/06/2012 12:02	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	08/28/2012 14:00	15	08/23/2012 12:02	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	08/28/2012 14:00	15	02/05/2013 12:02	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	08/28/2012 14:00	15	09/06/2012 12:02	
1208078-10 GW0708 [Water] Sampled 08/09/2012 11:02 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	08/28/2012 14:00	15	02/05/2013 12:02	Fe & Mn
1208078-11 GW8223-TB [Water] Sampled 08/09/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	08/28/2012 14:00	15	08/23/2012 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 #: DRAFT Kirtland_060

QC LEVEL: Level IV
Report Due: 8/29/2012 - 8/31/2012
Client Sample Count: 40

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Client Sample	8/6/2012	8/8/2012	1208055-01	GW0687	Water	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-02	GW0687	Water					
Client Sample	8/6/2012	8/8/2012	1208055-03	GW0688	Water	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-04	GW0688	Water					
Client Sample	8/6/2012	8/8/2012	1208055-05	GW0689	Water	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-06	GW0689	Water					
Client Sample	8/6/2012	8/8/2012	1208055-07	GW0704	Water	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-08	GW0704	Water					
Client Sample	8/6/2012	8/8/2012	1208055-09	GW0705	Water	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-10	GW0705	Water					
Client Sample	8/6/2012	8/8/2012	1208055-11	GW0706	Water	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-12	GW0706	Water					
Client Sample	8/7/2012	8/8/2012	1208055-13	GW0707	Water	X	X	X	X	X
Client Sample	8/7/2012	8/8/2012	1208055-14	GW0707	Water					
Client Sample	8/7/2012	8/8/2012	1208055-15	GW0734	Water	X	X	X	X	X
Client Sample	8/7/2012	8/8/2012	1208055-16	GW0734	Water					
Client Sample	8/7/2012	8/8/2012	1208055-17	GW0735	Water	X	X	X	X	X
Client Sample	8/7/2012	8/8/2012	1208055-18	GW0735	Water					
Field Duplicate	8/7/2012	8/8/2012	1208055-19	GW0736	Water	X	X	X	X	X
Field Duplicate	8/7/2012	8/8/2012	1208055-20	GW0736	Water					
Equipment Rinsate	8/7/2012	8/8/2012	1208055-21	GW8056-RB	Water					
Equipment Rinsate	8/7/2012	8/8/2012	1208055-22	GW8056-RB	Water					
Trip Blank	8/6/2012	8/8/2012	1208055-23	GW8221-TB	Water					
Client Sample	8/8/2012	8/9/2012	1208065-01	GW0633	Water	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-02	GW0633	Water					
Field Duplicate	8/8/2012	8/9/2012	1208065-03	GW0634	Water	X	X	X	X	X
Field Duplicate	8/8/2012	8/9/2012	1208065-04	GW0634	Water					
Client Sample	8/8/2012	8/9/2012	1208065-05	GW0636	Water	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-06	GW0636	Water					
Client Sample	8/7/2012	8/9/2012	1208065-07	GW0642	Water	X	X	X	X	X
Client Sample	8/7/2012	8/9/2012	1208065-08	GW0642	Water					
Client Sample	8/8/2012	8/9/2012	1208065-09	GW0695	Water	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-10	GW0695	Water					
Client Sample	8/8/2012	8/9/2012	1208065-11	GW0696	Water	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-12	GW0696	Water					
Client Sample	8/7/2012	8/9/2012	1208065-13	GW0733	Water	X	X	X	X	X
Client Sample	8/7/2012	8/9/2012	1208065-14	GW0733	Water					
Equipment Rinsate	8/8/2012	8/9/2012	1208065-15	GW8057-RB	Water					
Equipment Rinsate	8/8/2012	8/9/2012	1208065-16	GW8057-RB	Water					
Ambient Blank	8/8/2012	8/9/2012	1208065-17	GW8059-AB	Water					
Trip Blank	8/8/2012	8/9/2012	1208065-18	GW8222-TB	Water					
Client Sample	8/9/2012	8/10/2012	1208078-01	GW0632	Water	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-02	GW0632	Water					
Client Sample	8/9/2012	8/10/2012	1208078-03	GW0637	Water	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-04	GW0637	Water					
Client Sample	8/9/2012	8/10/2012	1208078-05	GW0641	Water	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-06	GW0641	Water					
Client Sample	8/8/2012	8/10/2012	1208078-07	GW0694	Water	X	X	X	X	X
Client Sample	8/8/2012	8/10/2012	1208078-08	GW0694	Water					
Client Sample	8/9/2012	8/10/2012	1208078-09	GW0708	Water	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-10	GW0708	Water					
Trip Blank	8/9/2012	8/10/2012	1208078-11	GW8223-TB	Water					

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	V8015B DI	SW8015B GRO	SW8260B	SW8270D
Client Sample	8/6/2012	8/8/2012	1208055-01	GW0687	X	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-02	GW0687	X					
Client Sample	8/6/2012	8/8/2012	1208055-03	GW0688	X	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-04	GW0688	X					
Client Sample	8/6/2012	8/8/2012	1208055-05	GW0689	X	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-06	GW0689	X					
Client Sample	8/6/2012	8/8/2012	1208055-07	GW0704	X	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-08	GW0704	X					
Client Sample	8/6/2012	8/8/2012	1208055-09	GW0705	X	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-10	GW0705	X					
Client Sample	8/6/2012	8/8/2012	1208055-11	GW0706	X	X	X	X	X	X
Client Sample	8/6/2012	8/8/2012	1208055-12	GW0706	X					
Client Sample	8/7/2012	8/8/2012	1208055-13	GW0707	X	X	X	X	X	X
Client Sample	8/7/2012	8/8/2012	1208055-14	GW0707	X					
Client Sample	8/7/2012	8/8/2012	1208055-15	GW0734	X	X	X	X	X	X
Client Sample	8/7/2012	8/8/2012	1208055-16	GW0734	X					
Client Sample	8/7/2012	8/8/2012	1208055-17	GW0735	X	X	X	X	X	X
Client Sample	8/7/2012	8/8/2012	1208055-18	GW0735	X					
Field Duplicate	8/7/2012	8/8/2012	1208055-19	GW0736	X	X	X	X	X	X
Field Duplicate	8/7/2012	8/8/2012	1208055-20	GW0736	X					
Equipment Rinsate	8/7/2012	8/8/2012	1208055-21	GW8056-RB	X		X	X	X	X
Equipment Rinsate	8/7/2012	8/8/2012	1208055-22	GW8056-RB	X					
Trip Blank	8/6/2012	8/8/2012	1208055-23	GW8221-TB					X	
Client Sample	8/8/2012	8/9/2012	1208065-01	GW0633	X	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-02	GW0633	X					
Field Duplicate	8/8/2012	8/9/2012	1208065-03	GW0634	X	X	X	X	X	X
Field Duplicate	8/8/2012	8/9/2012	1208065-04	GW0634	X					
Client Sample	8/8/2012	8/9/2012	1208065-05	GW0636	X	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-06	GW0636	X					
Client Sample	8/7/2012	8/9/2012	1208065-07	GW0642	X	X	X	X	X	X
Client Sample	8/7/2012	8/9/2012	1208065-08	GW0642	X					
Client Sample	8/8/2012	8/9/2012	1208065-09	GW0695	X	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-10	GW0695	X					
Client Sample	8/8/2012	8/9/2012	1208065-11	GW0696	X	X	X	X	X	X
Client Sample	8/8/2012	8/9/2012	1208065-12	GW0696	X					
Client Sample	8/7/2012	8/9/2012	1208065-13	GW0733	X	X	X	X	X	X
Client Sample	8/7/2012	8/9/2012	1208065-14	GW0733	X					
Equipment Rinsate	8/8/2012	8/9/2012	1208065-15	GW8057-RB	X		X	X	X	X
Equipment Rinsate	8/8/2012	8/9/2012	1208065-16	GW8057-RB	X					
Ambient Blank	8/8/2012	8/9/2012	1208065-17	GW8059-AB					X	
Trip Blank	8/8/2012	8/9/2012	1208065-18	GW8222-TB					X	
Client Sample	8/9/2012	8/10/2012	1208078-01	GW0632	X	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-02	GW0632	X					
Client Sample	8/9/2012	8/10/2012	1208078-03	GW0637	X	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-04	GW0637	X					
Client Sample	8/9/2012	8/10/2012	1208078-05	GW0641	X	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-06	GW0641	X					
Client Sample	8/8/2012	8/10/2012	1208078-07	GW0694	X	X	X	X	X	X
Client Sample	8/8/2012	8/10/2012	1208078-08	GW0694	X					
Client Sample	8/9/2012	8/10/2012	1208078-09	GW0708	X	X	X	X	X	X
Client Sample	8/9/2012	8/10/2012	1208078-10	GW0708	X					
Trip Blank	8/9/2012	8/10/2012	1208078-11	GW8223-TB					X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01	File ID:	0805501D.D
Sampled:	08/06/12 16:08	Prepared:	08/15/12 16:43	Analyzed:	08/15/12 16:43
Solids:		Preparation:	5030B	Dilution:	200

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		500	1000	2000	U
71-43-2	Benzene	9490	50.0	100	200	D
108-86-1	Bromobenzene		50.0	100	200	U
74-97-5	Bromochloromethane		50.0	100	200	U
75-27-4	Bromodichloromethane		50.0	100	200	U
75-25-2	Bromoform		50.0	100	200	U
74-83-9	Bromomethane		100	200	400	U
104-51-8	n-Butylbenzene		50.0	100	200	U
78-93-3	2-Butanone		500	1000	2000	U
135-98-8	sec-Butylbenzene		50.0	100	200	U
98-06-6	tert-Butylbenzene		50.0	100	200	U
75-15-0	Carbon disulfide		50.0	100	200	U
56-23-5	Carbon tetrachloride		50.0	100	200	U
108-90-7	Chlorobenzene		50.0	100	200	U
75-00-3	Chloroethane		100	200	400	U
67-66-3	Chloroform		50.0	100	200	U
74-87-3	Chloromethane		50.0	100	200	U
95-49-8	2-Chlorotoluene		50.0	100	200	U
106-43-4	4-Chlorotoluene		50.0	100	200	U
124-48-1	Dibromochloromethane		50.0	100	200	U
96-12-8	1,2-Dibromo-3-chloropropane		100	200	400	U
106-93-4	1,2-Dibromoethane (EDB)	212	50.0	100	200	D
74-95-3	Dibromomethane		50.0	100	200	U
95-50-1	1,2-Dichlorobenzene		50.0	100	200	U
541-73-1	1,3-Dichlorobenzene		50.0	100	200	U
106-46-7	1,4-Dichlorobenzene		50.0	100	200	U
75-71-8	Dichlorodifluoromethane		100	200	400	U
75-34-3	1,1-Dichloroethane		50.0	100	200	U
107-06-2	1,2-Dichloroethane		50.0	100	200	U
75-35-4	1,1-Dichloroethene		50.0	100	200	U
156-59-2	cis-1,2-Dichloroethene		50.0	100	200	U
156-60-5	trans-1,2-Dichloroethene		50.0	100	200	U
78-87-5	1,2-Dichloropropane		50.0	100	200	U
142-28-9	1,3-Dichloropropane		50.0	100	200	U
594-20-7	2,2-Dichloropropane		50.0	100	200	U
563-58-6	1,1-Dichloropropene		50.0	100	200	U
10061-01-5	cis-1,3-Dichloropropene		50.0	100	200	U
10061-02-6	trans-1,3-Dichloropropene		50.0	100	200	U
100-41-4	Ethylbenzene	1040	50.0	100	200	D
87-68-3	Hexachlorobutadiene		50.0	100	400	U

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01	File ID:	0805501D.D
Sampled:	08/06/12 16:08	Prepared:	08/15/12 16:43	Analyzed:	08/15/12 16:43
Solids:		Preparation:	5030B	Dilution:	200

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		250	500	1000	U
98-82-8	Isopropylbenzene	66.0	50.0	100	200	J, D
99-87-6	p-Isopropyltoluene		50.0	100	200	U
75-09-2	Methylene chloride		100	200	400	U
91-20-3	Naphthalene	218	50.0	100	400	J, D
108-10-1	4-Methyl-2-pentanone		250	500	1000	U
1634-04-4	Methyl t-Butyl Ether		50.0	100	200	U
103-65-1	n-Propylbenzene	74.0	50.0	100	200	J, D
100-42-5	Styrene		50.0	100	200	U
79-34-5	1,1,2,2-Tetrachloroethane		50.0	100	200	U
630-20-6	1,1,1,2-Tetrachloroethane		50.0	100	200	U
127-18-4	Tetrachloroethene		50.0	100	200	U
108-88-3	Toluene	13500	50.0	100	200	D
87-61-6	1,2,3-Trichlorobenzene		50.0	100	400	U
120-82-1	1,2,4-Trichlorobenzene		50.0	100	400	U
79-00-5	1,1,2-Trichloroethane		50.0	100	200	U
71-55-6	1,1,1-Trichloroethane		50.0	100	200	U
79-01-6	Trichloroethene		50.0	100	200	U
75-69-4	Trichlorofluoromethane		100	200	400	U
96-18-4	1,2,3-Trichloropropane		100	200	400	U
108-67-8	1,3,5-Trimethylbenzene	90.0	50.0	100	200	J, D
95-63-6	1,2,4-Trimethylbenzene	238	50.0	100	200	D
75-01-4	Vinyl chloride		50.0	100	200	U
1330-20-7	Xylenes (total)	3250	150	300	600	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.36	97.9	75 - 120	
Dibromofluoromethane	30.00	30.68	102	85 - 115	
1,2-Dichloroethane-d4	30.00	27.82	92.7	70 - 120	
Toluene-d8	30.00	28.86	96.2	85 - 120	

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	0805503.D
Sampled:	08/06/12 13:29	Prepared:	08/15/12 09:46	Analyzed:	08/15/12 09:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	0805503.D
Sampled:	08/06/12 13:29	Prepared:	08/15/12 09:46	Analyzed:	08/15/12 09:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.45	98.2	75 - 120	
Dibromofluoromethane	30.00	30.75	102	85 - 115	
1,2-Dichloroethane-d4	30.00	28.07	93.6	70 - 120	
Toluene-d8	30.00	27.85	92.8	85 - 120	

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	0805505.D
Sampled:	08/06/12 11:11	Prepared:	08/15/12 10:14	Analyzed:	08/15/12 10:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	0805505.D
Sampled:	08/06/12 11:11	Prepared:	08/15/12 10:14	Analyzed:	08/15/12 10:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.63	102	75 - 120	
Dibromofluoromethane	30.00	30.59	102	85 - 115	
1,2-Dichloroethane-d4	30.00	28.17	93.9	70 - 120	
Toluene-d8	30.00	29.25	97.5	85 - 120	

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	0805507.D
Sampled:	08/06/12 13:25	Prepared:	08/15/12 10:41	Analyzed:	08/15/12 10:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.340	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

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	0805507.D
Sampled:	08/06/12 13:25	Prepared:	08/15/12 10:41	Analyzed:	08/15/12 10:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	1.87	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.360	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		0.250	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	30.18	101	75 - 120	
Dibromofluoromethane	30.00	30.68	102	85 - 115	
1,2-Dichloroethane-d4	30.00	28.61	95.4	70 - 120	
Toluene-d8	30.00	28.52	95.1	85 - 120	

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	0805509.D
Sampled:	08/06/12 11:25	Prepared:	08/15/12 11:09	Analyzed:	08/15/12 11:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	0805509.D
Sampled:	08/06/12 11:25	Prepared:	08/15/12 11:09	Analyzed:	08/15/12 11:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.60	98.7	75 - 120	
Dibromofluoromethane	30.00	30.06	100	85 - 115	
1,2-Dichloroethane-d4	30.00	28.08	93.6	70 - 120	
Toluene-d8	30.00	29.03	96.8	85 - 120	

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	0805511.D
Sampled:	08/06/12 15:25	Prepared:	08/15/12 11:37	Analyzed:	08/15/12 11:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	0805511.D
Sampled:	08/06/12 15:25	Prepared:	08/15/12 11:37	Analyzed:	08/15/12 11:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.07	96.9	75 - 120	
Dibromofluoromethane	30.00	30.04	100	85 - 115	
1,2-Dichloroethane-d4	30.00	27.34	91.1	70 - 120	
Toluene-d8	30.00	28.26	94.2	85 - 120	

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13	File ID:	0805513D.D
Sampled:	08/07/12 10:46	Prepared:	08/15/12 17:10	Analyzed:	08/15/12 17:10
Solids:		Preparation:	5030B	Dilution:	200

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	15900	500	1000	2000	D
71-43-2	Benzene	7700	50.0	100	200	D
108-86-1	Bromobenzene		50.0	100	200	U
74-97-5	Bromochloromethane		50.0	100	200	U
75-27-4	Bromodichloromethane		50.0	100	200	U
75-25-2	Bromoform		50.0	100	200	U
74-83-9	Bromomethane		100	200	400	U
104-51-8	n-Butylbenzene		50.0	100	200	U
78-93-3	2-Butanone	1170	500	1000	2000	J, D
135-98-8	sec-Butylbenzene		50.0	100	200	U
98-06-6	tert-Butylbenzene		50.0	100	200	U
75-15-0	Carbon disulfide		50.0	100	200	U
56-23-5	Carbon tetrachloride		50.0	100	200	U
108-90-7	Chlorobenzene		50.0	100	200	U
75-00-3	Chloroethane		100	200	400	U
67-66-3	Chloroform		50.0	100	200	U
74-87-3	Chloromethane		50.0	100	200	U
95-49-8	2-Chlorotoluene		50.0	100	200	U
106-43-4	4-Chlorotoluene		50.0	100	200	U
124-48-1	Dibromochloromethane		50.0	100	200	U
96-12-8	1,2-Dibromo-3-chloropropane		100	200	400	U
106-93-4	1,2-Dibromoethane (EDB)	320	50.0	100	200	D
74-95-3	Dibromomethane		50.0	100	200	U
95-50-1	1,2-Dichlorobenzene		50.0	100	200	U
541-73-1	1,3-Dichlorobenzene		50.0	100	200	U
106-46-7	1,4-Dichlorobenzene		50.0	100	200	U
75-71-8	Dichlorodifluoromethane		100	200	400	U
75-34-3	1,1-Dichloroethane		50.0	100	200	U
107-06-2	1,2-Dichloroethane		50.0	100	200	U
75-35-4	1,1-Dichloroethene		50.0	100	200	U
156-59-2	cis-1,2-Dichloroethene		50.0	100	200	U
156-60-5	trans-1,2-Dichloroethene		50.0	100	200	U
78-87-5	1,2-Dichloropropane		50.0	100	200	U
142-28-9	1,3-Dichloropropane		50.0	100	200	U
594-20-7	2,2-Dichloropropane		50.0	100	200	U
563-58-6	1,1-Dichloropropene		50.0	100	200	U
10061-01-5	cis-1,3-Dichloropropene		50.0	100	200	U
10061-02-6	trans-1,3-Dichloropropene		50.0	100	200	U
100-41-4	Ethylbenzene	728	50.0	100	200	D
87-68-3	Hexachlorobutadiene		50.0	100	400	U

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13	File ID:	0805513D.D
Sampled:	08/07/12 10:46	Prepared:	08/15/12 17:10	Analyzed:	08/15/12 17:10
Solids:		Preparation:	5030B	Dilution:	200

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	882	250	500	1000	J, D
98-82-8	Isopropylbenzene	56.0	50.0	100	200	J, D
99-87-6	p-Isopropyltoluene		50.0	100	200	U
75-09-2	Methylene chloride		100	200	400	U
91-20-3	Naphthalene	272	50.0	100	400	J, D
108-10-1	4-Methyl-2-pentanone	516	250	500	1000	J, D
1634-04-4	Methyl t-Butyl Ether		50.0	100	200	U
103-65-1	n-Propylbenzene	58.0	50.0	100	200	J, D
100-42-5	Styrene		50.0	100	200	U
79-34-5	1,1,2,2-Tetrachloroethane		50.0	100	200	U
630-20-6	1,1,1,2-Tetrachloroethane		50.0	100	200	U
127-18-4	Tetrachloroethene		50.0	100	200	U
108-88-3	Toluene	11400	50.0	100	200	D
87-61-6	1,2,3-Trichlorobenzene		50.0	100	400	U
120-82-1	1,2,4-Trichlorobenzene		50.0	100	400	U
79-00-5	1,1,2-Trichloroethane		50.0	100	200	U
71-55-6	1,1,1-Trichloroethane		50.0	100	200	U
79-01-6	Trichloroethene		50.0	100	200	U
75-69-4	Trichlorofluoromethane		100	200	400	U
96-18-4	1,2,3-Trichloropropane		100	200	400	U
108-67-8	1,3,5-Trimethylbenzene	76.0	50.0	100	200	J, D
95-63-6	1,2,4-Trimethylbenzene	228	50.0	100	200	D
75-01-4	Vinyl chloride		50.0	100	200	U
1330-20-7	Xylenes (total)	2940	150	300	600	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.88	99.6	75 - 120	
Dibromofluoromethane	30.00	30.04	100	85 - 115	
1,2-Dichloroethane-d4	30.00	27.32	91.1	70 - 120	
Toluene-d8	30.00	28.63	95.4	85 - 120	

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	0805515.D
Sampled:	08/07/12 12:55	Prepared:	08/15/12 12:04	Analyzed:	08/15/12 12:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	0805515.D
Sampled:	08/07/12 12:55	Prepared:	08/15/12 12:04	Analyzed:	08/15/12 12:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.520	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.52	98.4	75 - 120	
Dibromofluoromethane	30.00	30.68	102	85 - 115	
1,2-Dichloroethane-d4	30.00	28.15	93.8	70 - 120	
Toluene-d8	30.00	28.49	95.0	85 - 120	

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	0805517.D
Sampled:	08/07/12 10:27	Prepared:	08/15/12 12:32	Analyzed:	08/15/12 12:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	0805517.D
Sampled:	08/07/12 10:27	Prepared:	08/15/12 12:32	Analyzed:	08/15/12 12:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.88	96.3	75 - 120	
Dibromofluoromethane	30.00	30.39	101	85 - 115	
1,2-Dichloroethane-d4	30.00	27.14	90.5	70 - 120	
Toluene-d8	30.00	29.29	97.6	85 - 120	

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	0805519.D
Sampled:	08/07/12 10:27	Prepared:	08/15/12 13:01	Analyzed:	08/15/12 13:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	0805519.D
Sampled:	08/07/12 10:27	Prepared:	08/15/12 13:01	Analyzed:	08/15/12 13:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.470	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.28	97.6	75 - 120	
Dibromofluoromethane	30.00	30.73	102	85 - 115	
1,2-Dichloroethane-d4	30.00	27.88	92.9	70 - 120	
Toluene-d8	30.00	28.89	96.3	85 - 120	

ANALYSIS DATA SHEET

GW8056-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21	File ID:	0805521.D
Sampled:	08/07/12 08:20	Prepared:	08/09/12 00:00	Analyzed:	08/09/12 14:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	42.2	2.50	5.00	10.0	
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	0.810	0.250	0.500	1.00	J
74-87-3	Chloromethane	0.450	0.250	0.500	1.00	J
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

GW8056-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21	File ID:	0805521.D
Sampled:	08/07/12 08:20	Prepared:	08/09/12 00:00	Analyzed:	08/09/12 14:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	29.28	97.6	75 - 120	
Dibromofluoromethane	30.00	30.69	102	85 - 115	
1,2-Dichloroethane-d4	30.00	27.18	90.6	70 - 120	
Toluene-d8	30.00	29.06	96.9	85 - 120	

ANALYSIS DATA SHEET

GW8221-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-23	File ID:	0805523.D
Sampled:	08/06/12 08:00	Prepared:	08/09/12 00:00	Analyzed:	08/09/12 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

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

GW8221-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-23	File ID:	0805523.D
Sampled:	08/06/12 08:00	Prepared:	08/09/12 00:00	Analyzed:	08/09/12 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	1.13	0.500	1.00	2.00	J
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.270	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	28.86	96.2	75 - 120	
Dibromofluoromethane	30.00	29.54	98.5	85 - 115	
1,2-Dichloroethane-d4	30.00	27.17	90.6	70 - 120	
Toluene-d8	30.00	29.38	97.9	85 - 120	

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01	File ID:	0806501D.D
Sampled:	08/08/12 14:58	Prepared:	08/15/12 15:47	Analyzed:	08/15/12 15:47
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	73.7	25.0	50.0	100	D, J
71-43-2	Benzene	758	2.50	5.00	10.0	D
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	U
104-51-8	n-Butylbenzene		2.50	5.00	10.0	U
78-93-3	2-Butanone		25.0	50.0	100	U
135-98-8	sec-Butylbenzene		2.50	5.00	10.0	U
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	U
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)		2.50	5.00	10.0	U
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane		2.50	5.00	10.0	U
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	78.6	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	20.0	U

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01	File ID:	0806501D.D
Sampled:	08/08/12 14:58	Prepared:	08/15/12 15:47	Analyzed:	08/15/12 15:47
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		12.5	25.0	50.0	U
98-82-8	Isopropylbenzene	5.70	2.50	5.00	10.0	D, J
99-87-6	p-Isopropyltoluene		2.50	5.00	10.0	U
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	11.0	2.50	5.00	20.0	J, D
108-10-1	4-Methyl-2-pentanone		12.5	25.0	50.0	U
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	4.50	2.50	5.00	10.0	D, J
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	272	2.50	5.00	10.0	D
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	20.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	20.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene		2.50	5.00	10.0	U
95-63-6	1,2,4-Trimethylbenzene	3.90	2.50	5.00	10.0	D, J
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	59.0	7.50	15.0	30.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.89	99.6	75 - 120	
Dibromofluoromethane	30.00	29.67	98.9	85 - 115	
1,2-Dichloroethane-d4	30.00	26.36	87.9	70 - 120	
Toluene-d8	30.00	28.05	93.5	85 - 120	

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03	File ID:	0806503D.D
Sampled:	08/08/12 14:58	Prepared:	08/15/12 16:15	Analyzed:	08/15/12 16:15
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	118	25.0	50.0	100	D
71-43-2	Benzene	828	2.50	5.00	10.0	D
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	U
104-51-8	n-Butylbenzene		2.50	5.00	10.0	U
78-93-3	2-Butanone		25.0	50.0	100	U
135-98-8	sec-Butylbenzene		2.50	5.00	10.0	U
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	U
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)		2.50	5.00	10.0	U
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane		2.50	5.00	10.0	U
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	84.5	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	20.0	U

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03	File ID:	0806503D.D
Sampled:	08/08/12 14:58	Prepared:	08/15/12 16:15	Analyzed:	08/15/12 16:15
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		12.5	25.0	50.0	U
98-82-8	Isopropylbenzene	6.70	2.50	5.00	10.0	J, D
99-87-6	p-Isopropyltoluene		2.50	5.00	10.0	U
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	10.6	2.50	5.00	20.0	J, D
108-10-1	4-Methyl-2-pentanone		12.5	25.0	50.0	U
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	4.70	2.50	5.00	10.0	J, D
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	284	2.50	5.00	10.0	D
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	20.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	20.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	2.50	2.50	5.00	10.0	J, D
95-63-6	1,2,4-Trimethylbenzene	3.60	2.50	5.00	10.0	J, D
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	64.5	7.50	15.0	30.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.66	98.9	75 - 120	
Dibromofluoromethane	30.00	30.13	100	85 - 115	
1,2-Dichloroethane-d4	30.00	26.37	87.9	70 - 120	
Toluene-d8	30.00	28.67	95.6	85 - 120	

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	0806505D.D
Sampled:	08/08/12 10:54	Prepared:	08/15/12 15:20	Analyzed:	08/15/12 15:20
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	46.2	12.5	25.0	50.0	J, D
71-43-2	Benzene	50.1	1.25	2.50	5.00	D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene	2.65	1.25	2.50	5.00	J, D
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene	3.90	1.25	2.50	5.00	J, D
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	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	117	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	0806505D.D
Sampled:	08/08/12 10:54	Prepared:	08/15/12 15:20	Analyzed:	08/15/12 15:20
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	16.5	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	6.10	1.25	2.50	5.00	D
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	16.1	1.25	2.50	10.0	D
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	14.2	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	99.4	1.25	2.50	5.00	D
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	15.6	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	35.1	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	167	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.03	100	75 - 120	
Dibromofluoromethane	30.00	29.01	96.7	85 - 115	
1,2-Dichloroethane-d4	30.00	27.12	90.4	70 - 120	
Toluene-d8	30.00	28.83	96.1	85 - 120	

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	0806507.D
Sampled:	08/07/12 15:19	Prepared:	08/15/12 13:29	Analyzed:	08/15/12 13:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	1.24	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	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	1.25	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	0806507.D
Sampled:	08/07/12 15:19	Prepared:	08/15/12 13:29	Analyzed:	08/15/12 13:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	7.55	0.250	0.500	1.00	
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)	5.00	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.96	99.9	75 - 120	
Dibromofluoromethane	30.00	30.95	103	85 - 115	
1,2-Dichloroethane-d4	30.00	28.95	96.5	70 - 120	
Toluene-d8	30.00	29.33	97.8	85 - 120	

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	0806509D.D
Sampled:	08/08/12 13:56	Prepared:	08/15/12 14:52	Analyzed:	08/15/12 14:52
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	63.6	12.5	25.0	50.0	D
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	8.40	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	0806509D.D
Sampled:	08/08/12 13:56	Prepared:	08/15/12 14:52	Analyzed:	08/15/12 14:52
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	2.10	1.25	2.50	5.00	J, D
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.14	100	75 - 120	
Dibromofluoromethane	30.00	29.46	98.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.18	93.9	70 - 120	
Toluene-d8	30.00	28.63	95.4	85 - 120	

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	0806511.D
Sampled:	08/08/12 11:32	Prepared:	08/15/12 13:57	Analyzed:	08/15/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	0806511.D
Sampled:	08/08/12 11:32	Prepared:	08/15/12 13:57	Analyzed:	08/15/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.55	98.5	75 - 120	
Dibromofluoromethane	30.00	31.16	104	85 - 115	
1,2-Dichloroethane-d4	30.00	27.70	92.3	70 - 120	
Toluene-d8	30.00	28.60	95.3	85 - 120	

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	0806513.D
Sampled:	08/07/12 15:05	Prepared:	08/15/12 14:24	Analyzed:	08/15/12 14:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	0806513.D
Sampled:	08/07/12 15:05	Prepared:	08/15/12 14:24	Analyzed:	08/15/12 14:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.350	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.79	99.3	75 - 120	
Dibromofluoromethane	30.00	30.52	102	85 - 115	
1,2-Dichloroethane-d4	30.00	26.94	89.8	70 - 120	
Toluene-d8	30.00	28.22	94.1	85 - 120	

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15	File ID:	0806515.D
Sampled:	08/08/12 08:20	Prepared:	08/10/12 11:18	Analyzed:	08/10/12 11:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	8.19	2.50	5.00	10.0	J
71-43-2	Benzene	0.860	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	0.870	0.250	0.500	1.00	J
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	0.400	0.250	0.500	1.00	J
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	5.35	0.250	0.500	1.00	
74-87-3	Chloromethane	0.490	0.250	0.500	1.00	J
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	0.640	0.250	0.500	1.00	J
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	1.25	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15	File ID:	0806515.D
Sampled:	08/08/12 08:20	Prepared:	08/10/12 11:18	Analyzed:	08/10/12 11:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	1.52	0.250	0.500	2.00	J
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	0.410	0.250	0.500	1.00	J
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	6.43	0.250	0.500	1.00	
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	0.660	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	1.73	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	5.63	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.28	97.6	75 - 120	
Dibromofluoromethane	30.00	29.76	99.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.08	93.6	70 - 120	
Toluene-d8	30.00	29.39	98.0	85 - 120	

ANALYSIS DATA SHEET

GW8059-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-17	File ID:	0806517.D
Sampled:	08/08/12 11:32	Prepared:	08/10/12 11:45	Analyzed:	08/10/12 11:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

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

GW8059-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-17	File ID:	0806517.D
Sampled:	08/08/12 11:32	Prepared:	08/10/12 11:45	Analyzed:	08/10/12 11:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	0.510	0.500	1.00	2.00	J
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.76	99.2	75 - 120	
Dibromofluoromethane	30.00	30.14	100	85 - 115	
1,2-Dichloroethane-d4	30.00	28.75	95.8	70 - 120	
Toluene-d8	30.00	29.91	99.7	85 - 120	

ANALYSIS DATA SHEET

GW8222-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-18	File ID:	0806518.D
Sampled:	08/08/12 08:00	Prepared:	08/10/12 10:50	Analyzed:	08/10/12 10:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

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

GW8222-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-18	File ID:	0806518.D
Sampled:	08/08/12 08:00	Prepared:	08/10/12 10:50	Analyzed:	08/10/12 10:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	1.65	0.500	1.00	2.00	J
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.250	0.250	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	28.86	96.2	75 - 120	
Dibromofluoromethane	30.00	30.41	101	85 - 115	
1,2-Dichloroethane-d4	30.00	27.47	91.6	70 - 120	
Toluene-d8	30.00	28.89	96.3	85 - 120	

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01	File ID:	0807801D.D
Sampled:	08/09/12 14:47	Prepared:	08/17/12 20:11	Analyzed:	08/17/12 20:11
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	105	25.0	50.0	100	D
71-43-2	Benzene	1150	2.50	5.00	10.0	D
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	X, U
104-51-8	n-Butylbenzene	8.50	2.50	5.00	10.0	J, D
78-93-3	2-Butanone		25.0	50.0	100	U
135-98-8	sec-Butylbenzene	6.70	2.50	5.00	10.0	J, D
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	U
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)	9.80	2.50	5.00	10.0	J, D
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane		2.50	5.00	10.0	U
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	233	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	20.0	U

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01	File ID:	0807801D.D
Sampled:	08/09/12 14:47	Prepared:	08/17/12 20:11	Analyzed:	08/17/12 20:11
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		12.5	25.0	50.0	U
98-82-8	Isopropylbenzene	19.4	2.50	5.00	10.0	D
99-87-6	p-Isopropyltoluene	4.70	2.50	5.00	10.0	J, D
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	70.6	2.50	5.00	20.0	D
108-10-1	4-Methyl-2-pentanone	53.5	12.5	25.0	50.0	X, D
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	17.7	2.50	5.00	10.0	D
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	2660	2.50	5.00	10.0	D, E
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	20.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	20.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	54.6	2.50	5.00	10.0	D
95-63-6	1,2,4-Trimethylbenzene	122	2.50	5.00	10.0	D
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	760	7.50	15.0	30.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.07	100	75 - 120	
Dibromofluoromethane	30.00	28.97	96.6	85 - 115	
1,2-Dichloroethane-d4	30.00	25.59	85.3	70 - 120	
Toluene-d8	30.00	28.04	93.5	85 - 120	

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01RE1	File ID:	0807801D.D
Sampled:	08/09/12 14:47	Prepared:	08/20/12 14:58	Analyzed:	08/20/12 14:58
Solids:		Preparation:	5030B	Dilution:	25

Batch: 2H20007 Sequence: 2H23403 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		62.5	125	250	Y, U
71-43-2	Benzene	1250	6.25	12.5	25.0	D
108-86-1	Bromobenzene		6.25	12.5	25.0	U
74-97-5	Bromochloromethane		6.25	12.5	25.0	U
75-27-4	Bromodichloromethane		6.25	12.5	25.0	U
75-25-2	Bromoform		6.25	12.5	25.0	U
74-83-9	Bromomethane		12.5	25.0	50.0	U
104-51-8	n-Butylbenzene	8.25	6.25	12.5	25.0	J, D
78-93-3	2-Butanone		62.5	125	250	U
135-98-8	sec-Butylbenzene	7.25	6.25	12.5	25.0	J, D
98-06-6	tert-Butylbenzene		6.25	12.5	25.0	U
75-15-0	Carbon disulfide		6.25	12.5	25.0	U
56-23-5	Carbon tetrachloride		6.25	12.5	25.0	U
108-90-7	Chlorobenzene		6.25	12.5	25.0	U
75-00-3	Chloroethane		12.5	25.0	50.0	U
67-66-3	Chloroform		6.25	12.5	25.0	U
74-87-3	Chloromethane		6.25	12.5	25.0	U
95-49-8	2-Chlorotoluene		6.25	12.5	25.0	U
106-43-4	4-Chlorotoluene		6.25	12.5	25.0	U
124-48-1	Dibromochloromethane		6.25	12.5	25.0	U
96-12-8	1,2-Dibromo-3-chloropropane		12.5	25.0	50.0	U
106-93-4	1,2-Dibromoethane (EDB)	10.8	6.25	12.5	25.0	J, D
74-95-3	Dibromomethane		6.25	12.5	25.0	U
95-50-1	1,2-Dichlorobenzene		6.25	12.5	25.0	U
541-73-1	1,3-Dichlorobenzene		6.25	12.5	25.0	U
106-46-7	1,4-Dichlorobenzene		6.25	12.5	25.0	U
75-71-8	Dichlorodifluoromethane		12.5	25.0	50.0	U
75-34-3	1,1-Dichloroethane		6.25	12.5	25.0	U
107-06-2	1,2-Dichloroethane		6.25	12.5	25.0	U
75-35-4	1,1-Dichloroethene		6.25	12.5	25.0	U
156-59-2	cis-1,2-Dichloroethene		6.25	12.5	25.0	U
156-60-5	trans-1,2-Dichloroethene		6.25	12.5	25.0	U
78-87-5	1,2-Dichloropropane		6.25	12.5	25.0	U
142-28-9	1,3-Dichloropropane		6.25	12.5	25.0	U
594-20-7	2,2-Dichloropropane		6.25	12.5	25.0	U
563-58-6	1,1-Dichloropropene		6.25	12.5	25.0	U
10061-01-5	cis-1,3-Dichloropropene		6.25	12.5	25.0	U
10061-02-6	trans-1,3-Dichloropropene		6.25	12.5	25.0	U
100-41-4	Ethylbenzene	237	6.25	12.5	25.0	D
87-68-3	Hexachlorobutadiene		6.25	12.5	50.0	U

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01RE1	File ID:	0807801D.D
Sampled:	08/09/12 14:47	Prepared:	08/20/12 14:58	Analyzed:	08/20/12 14:58
Solids:		Preparation:	5030B	Dilution:	25

Batch: 2H20007 Sequence: 2H23403 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		31.2	62.5	125	U
98-82-8	Isopropylbenzene	19.2	6.25	12.5	25.0	J, D
99-87-6	p-Isopropyltoluene		6.25	12.5	25.0	U
75-09-2	Methylene chloride		12.5	25.0	50.0	U
91-20-3	Naphthalene	69.5	6.25	12.5	50.0	D
108-10-1	4-Methyl-2-pentanone	56.8	31.2	62.5	125	J, D
1634-04-4	Methyl t-Butyl Ether		6.25	12.5	25.0	U
103-65-1	n-Propylbenzene	17.5	6.25	12.5	25.0	J, D
100-42-5	Styrene		6.25	12.5	25.0	U
79-34-5	1,1,2,2-Tetrachloroethane		6.25	12.5	25.0	U
630-20-6	1,1,1,2-Tetrachloroethane		6.25	12.5	25.0	U
127-18-4	Tetrachloroethene		6.25	12.5	25.0	U
108-88-3	Toluene	2770	6.25	12.5	25.0	D
87-61-6	1,2,3-Trichlorobenzene		6.25	12.5	50.0	U
120-82-1	1,2,4-Trichlorobenzene		6.25	12.5	50.0	U
79-00-5	1,1,2-Trichloroethane		6.25	12.5	25.0	U
71-55-6	1,1,1-Trichloroethane		6.25	12.5	25.0	U
79-01-6	Trichloroethene		6.25	12.5	25.0	U
75-69-4	Trichlorofluoromethane		12.5	25.0	50.0	U
96-18-4	1,2,3-Trichloropropane		12.5	25.0	50.0	U
108-67-8	1,3,5-Trimethylbenzene	53.8	6.25	12.5	25.0	D
95-63-6	1,2,4-Trimethylbenzene	129	6.25	12.5	25.0	D
75-01-4	Vinyl chloride		6.25	12.5	25.0	U
1330-20-7	Xylenes (total)	768	18.8	37.5	75.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.27	101	75 - 120	
Dibromofluoromethane	30.00	29.80	99.3	85 - 115	
1,2-Dichloroethane-d4	30.00	27.90	93.0	70 - 120	
Toluene-d8	30.00	28.34	94.5	85 - 120	

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03	File ID:	0807803D.D
Sampled:	08/09/12 14:01	Prepared:	08/17/12 20:38	Analyzed:	08/17/12 20:38
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		250	500	1000	U
71-43-2	Benzene	16300	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	X, U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone		250	500	1000	U
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide		25.0	50.0	100	U
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)		25.0	50.0	100	U
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1800	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03	File ID:	0807803D.D
Sampled:	08/09/12 14:01	Prepared:	08/17/12 20:38	Analyzed:	08/17/12 20:38
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		125	250	500	U
98-82-8	Isopropylbenzene	92.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	169	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone		125	250	500	X, U
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	98.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	12100	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	97.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	295	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	2750	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.42	101	75 - 120	
Dibromofluoromethane	30.00	29.71	99.0	85 - 115	
1,2-Dichloroethane-d4	30.00	25.73	85.8	70 - 120	
Toluene-d8	30.00	29.14	97.1	85 - 120	

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05	File ID:	0807805D.D
Sampled:	08/09/12 10:48	Prepared:	08/17/12 21:05	Analyzed:	08/17/12 21:05
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2630	250	500	1000	D
71-43-2	Benzene	9700	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	X, U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	907	250	500	1000	J, D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide		25.0	50.0	100	U
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	268	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1430	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05	File ID:	0807805D.D
Sampled:	08/09/12 10:48	Prepared:	08/17/12 21:05	Analyzed:	08/17/12 21:05
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		125	250	500	U
98-82-8	Isopropylbenzene	85.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	150	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone	262	125	250	500	X, J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	78.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	18100	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	86.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	254	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	3450	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.54	102	75 - 120	
Dibromofluoromethane	30.00	29.91	99.7	85 - 115	
1,2-Dichloroethane-d4	30.00	27.28	90.9	70 - 120	
Toluene-d8	30.00	29.25	97.5	85 - 120	

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07	File ID:	0807807D.D
Sampled:	08/08/12 16:48	Prepared:	08/17/12 21:32	Analyzed:	08/17/12 21:32
Solids:		Preparation:	5030B	Dilution:	50

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1650	125	250	500	D
71-43-2	Benzene	4980	12.5	25.0	50.0	D
108-86-1	Bromobenzene		12.5	25.0	50.0	U
74-97-5	Bromochloromethane		12.5	25.0	50.0	U
75-27-4	Bromodichloromethane		12.5	25.0	50.0	U
75-25-2	Bromoform		12.5	25.0	50.0	U
74-83-9	Bromomethane		25.0	50.0	100	X, U
104-51-8	n-Butylbenzene		12.5	25.0	50.0	U
78-93-3	2-Butanone	446	125	250	500	J, D
135-98-8	sec-Butylbenzene		12.5	25.0	50.0	U
98-06-6	tert-Butylbenzene		12.5	25.0	50.0	U
75-15-0	Carbon disulfide	30.5	12.5	25.0	50.0	J, D
56-23-5	Carbon tetrachloride		12.5	25.0	50.0	U
108-90-7	Chlorobenzene		12.5	25.0	50.0	U
75-00-3	Chloroethane		25.0	50.0	100	U
67-66-3	Chloroform		12.5	25.0	50.0	U
74-87-3	Chloromethane		12.5	25.0	50.0	U
95-49-8	2-Chlorotoluene		12.5	25.0	50.0	U
106-43-4	4-Chlorotoluene		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		12.5	25.0	50.0	U
96-12-8	1,2-Dibromo-3-chloropropane		25.0	50.0	100	U
106-93-4	1,2-Dibromoethane (EDB)	114	12.5	25.0	50.0	D
74-95-3	Dibromomethane		12.5	25.0	50.0	U
95-50-1	1,2-Dichlorobenzene		12.5	25.0	50.0	U
541-73-1	1,3-Dichlorobenzene		12.5	25.0	50.0	U
106-46-7	1,4-Dichlorobenzene		12.5	25.0	50.0	U
75-71-8	Dichlorodifluoromethane		25.0	50.0	100	U
75-34-3	1,1-Dichloroethane		12.5	25.0	50.0	U
107-06-2	1,2-Dichloroethane		12.5	25.0	50.0	U
75-35-4	1,1-Dichloroethene		12.5	25.0	50.0	U
156-59-2	cis-1,2-Dichloroethene		12.5	25.0	50.0	U
156-60-5	trans-1,2-Dichloroethene		12.5	25.0	50.0	U
78-87-5	1,2-Dichloropropane		12.5	25.0	50.0	U
142-28-9	1,3-Dichloropropane		12.5	25.0	50.0	U
594-20-7	2,2-Dichloropropane		12.5	25.0	50.0	U
563-58-6	1,1-Dichloropropene		12.5	25.0	50.0	U
10061-01-5	cis-1,3-Dichloropropene		12.5	25.0	50.0	U
10061-02-6	trans-1,3-Dichloropropene		12.5	25.0	50.0	U
100-41-4	Ethylbenzene	940	12.5	25.0	50.0	D
87-68-3	Hexachlorobutadiene		12.5	25.0	100	U

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07	File ID:	0807807D.D
Sampled:	08/08/12 16:48	Prepared:	08/17/12 21:32	Analyzed:	08/17/12 21:32
Solids:		Preparation:	5030B	Dilution:	50

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		62.5	125	250	U
98-82-8	Isopropylbenzene	77.0	12.5	25.0	50.0	D
99-87-6	p-Isopropyltoluene		12.5	25.0	50.0	U
75-09-2	Methylene chloride		25.0	50.0	100	U
91-20-3	Naphthalene	82.0	12.5	25.0	100	J, D
108-10-1	4-Methyl-2-pentanone	144	62.5	125	250	X, J, D
1634-04-4	Methyl t-Butyl Ether		12.5	25.0	50.0	U
103-65-1	n-Propylbenzene	68.0	12.5	25.0	50.0	D
100-42-5	Styrene		12.5	25.0	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane		12.5	25.0	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane		12.5	25.0	50.0	U
127-18-4	Tetrachloroethene		12.5	25.0	50.0	U
108-88-3	Toluene	7950	12.5	25.0	50.0	D
87-61-6	1,2,3-Trichlorobenzene		12.5	25.0	100	U
120-82-1	1,2,4-Trichlorobenzene		12.5	25.0	100	U
79-00-5	1,1,2-Trichloroethane		12.5	25.0	50.0	U
71-55-6	1,1,1-Trichloroethane		12.5	25.0	50.0	U
79-01-6	Trichloroethene		12.5	25.0	50.0	U
75-69-4	Trichlorofluoromethane		25.0	50.0	100	U
96-18-4	1,2,3-Trichloropropane		25.0	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	57.0	12.5	25.0	50.0	D
95-63-6	1,2,4-Trimethylbenzene	155	12.5	25.0	50.0	D
75-01-4	Vinyl chloride		12.5	25.0	50.0	U
1330-20-7	Xylenes (total)	1600	37.5	75.0	150	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.91	99.7	75 - 120	
Dibromofluoromethane	30.00	28.73	95.8	85 - 115	
1,2-Dichloroethane-d4	30.00	26.77	89.2	70 - 120	
Toluene-d8	30.00	28.29	94.3	85 - 120	

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	0807809.D
Sampled:	08/09/12 11:02	Prepared:	08/17/12 19:43	Analyzed:	08/17/12 19:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	0807809.D
Sampled:	08/09/12 11:02	Prepared:	08/17/12 19:43	Analyzed:	08/17/12 19:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	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	28.51	95.0	75 - 120	
Dibromofluoromethane	30.00	29.78	99.3	85 - 115	
1,2-Dichloroethane-d4	30.00	28.00	93.3	70 - 120	
Toluene-d8	30.00	27.88	92.9	85 - 120	

ANALYSIS DATA SHEET

GW8223-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-11	File ID:	0807811.D
Sampled:	08/09/12 08:00	Prepared:	08/17/12 13:23	Analyzed:	08/17/12 13:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW8223-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-11	File ID:	0807811.D
Sampled:	08/09/12 08:00	Prepared:	08/17/12 13:23	Analyzed:	08/17/12 13:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride	1.39	0.500	1.00	2.00	J
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.270	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	29.69	99.0	75 - 120	
Dibromofluoromethane	30.00	29.96	99.9	85 - 115	
1,2-Dichloroethane-d4	30.00	27.17	90.6	70 - 120	
Toluene-d8	30.00	28.57	95.2	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22302	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22302-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 08/09/12 11:23		
Bromofluorobenzene	30.00	103	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.2	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.3	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.9	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2H09007-BS1) ug/L				Lab File ID: 0809LCS1.D		Analyzed: 08/09/12 11:51		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.4	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.4	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2H09007-BLK1) ug/L				Lab File ID: 0809BLK1.D		Analyzed: 08/09/12 13:18		
Bromofluorobenzene	30.00	95.1	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.0	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	
GW8221-TB (1208055-23) ug/L				Lab File ID: 0805523.D		Analyzed: 08/09/12 13:46		
Bromofluorobenzene	30.00	96.2	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.5	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW8056-RB (1208055-21) ug/L				Lab File ID: 0805521.D		Analyzed: 08/09/12 14:44		
Bromofluorobenzene	30.00	97.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.6	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	96.9	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22601	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22601-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 08/10/12 08:03		
Bromofluorobenzene	30.00	101	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.9	80 - 120	6.733	6.733	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.2	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	95.3	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2H10001-BS1) ug/L				Lab File ID: 0810LCS1.D		Analyzed: 08/10/12 08:30		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.6	85 - 115	6.727	6.733	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.4	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2H10001-BLK1) ug/L				Lab File ID: 0810BLK1.D		Analyzed: 08/10/12 09:55		
Bromofluorobenzene	30.00	97.8	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.3	85 - 115	6.727	6.733	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.8	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW8222-TB (1208065-18) ug/L				Lab File ID: 0806518.D		Analyzed: 08/10/12 10:50		
Bromofluorobenzene	30.00	96.2	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.727	6.733	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.476	9.477	-0.0010	+/-1.000	
GW8057-RB (1208065-15) ug/L				Lab File ID: 0806515.D		Analyzed: 08/10/12 11:18		
Bromofluorobenzene	30.00	97.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.2	85 - 115	6.733	6.733	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	98.0	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW8059-AB (1208065-17) ug/L				Lab File ID: 0806517.D		Analyzed: 08/10/12 11:45		
Bromofluorobenzene	30.00	99.2	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.727	6.733	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.8	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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22905-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 08/15/12 07:27		
Bromofluorobenzene	30.00	104	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.1	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	93.3	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2H15005-BS1) ug/L				Lab File ID: 0815LCS1.D		Analyzed: 08/15/12 07:55		
Bromofluorobenzene	30.00	99.8	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.0	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	92.4	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2H15005-BLK1) ug/L				Lab File ID: 0815BLK1.D		Analyzed: 08/15/12 09:18		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.9	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	86.8	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	96.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0688 (1208055-03) ug/L				Lab File ID: 0805503.D		Analyzed: 08/15/12 09:46		
Bromofluorobenzene	30.00	98.2	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	92.8	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0689 (1208055-05) ug/L				Lab File ID: 0805505.D		Analyzed: 08/15/12 10:14		
Bromofluorobenzene	30.00	102	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.9	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	
GW0704 (1208055-07) ug/L				Lab File ID: 0805507.D		Analyzed: 08/15/12 10:41		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.4	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	95.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0705 (1208055-09) ug/L				Lab File ID: 0805509.D		Analyzed: 08/15/12 11:09		
Bromofluorobenzene	30.00	98.7	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.6	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.8	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0706 (1208055-11) ug/L				Lab File ID: 0805511.D		Analyzed: 08/15/12 11:37		
Bromofluorobenzene	30.00	96.9	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.1	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	94.2	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0734 (1208055-15) ug/L				Lab File ID: 0805515.D		Analyzed: 08/15/12 12:04		
Bromofluorobenzene	30.00	98.4	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.8	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	95.0	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0735 (1208055-17) ug/L				Lab File ID: 0805517.D		Analyzed: 08/15/12 12:32		
Bromofluorobenzene	30.00	96.3	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.5	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0736 (1208055-19) ug/L				Lab File ID: 0805519.D		Analyzed: 08/15/12 13:01		
Bromofluorobenzene	30.00	97.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.9	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0642 (1208065-07) ug/L				Lab File ID: 0806507.D		Analyzed: 08/15/12 13:29		
Bromofluorobenzene	30.00	99.9	75 - 120	12.111	12.117	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.5	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	97.8	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0696 (1208065-11) ug/L				Lab File ID: 0806511.D		Analyzed: 08/15/12 13:57		
Bromofluorobenzene	30.00	98.5	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.3	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	95.3	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0733 (1208065-13) ug/L				Lab File ID: 0806513.D		Analyzed: 08/15/12 14:24		
Bromofluorobenzene	30.00	99.3	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	89.8	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	94.1	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0695 (1208065-09) ug/L				Lab File ID: 0806509D.D		Analyzed: 08/15/12 14:52		
Bromofluorobenzene	30.00	100	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.2	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.9	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	95.4	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0636 (1208065-05) ug/L				Lab File ID: 0806505D.D		Analyzed: 08/15/12 15:20		
Bromofluorobenzene	30.00	100	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.7	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.4	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	96.1	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0633 (1208065-01) ug/L				Lab File ID: 0806501D.D		Analyzed: 08/15/12 15:47		
Bromofluorobenzene	30.00	99.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.9	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	87.9	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	93.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0634 (1208065-03) ug/L				Lab File ID: 0806503D.D		Analyzed: 08/15/12 16:15		
Bromofluorobenzene	30.00	98.9	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	87.9	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	95.6	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0687 (1208055-01) ug/L				Lab File ID: 0805501D.D		Analyzed: 08/15/12 16:43		
Bromofluorobenzene	30.00	97.9	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.7	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	96.2	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0707 (1208055-13) ug/L				Lab File ID: 0805513D.D		Analyzed: 08/15/12 17:10		
Bromofluorobenzene	30.00	99.6	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.1	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	95.4	85 - 120	9.477	9.477	0.0000	+/-1.000	
LCS Dup (2H15005-BSD1) ug/L				Lab File ID: 0815LCD1.D		Analyzed: 08/15/12 18:06		
Bromofluorobenzene	30.00	103	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.9	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	94.1	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23310	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23310-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 08/17/12 11:07		
Bromofluorobenzene	30.00	104	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	93.9	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.2	80 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	92.6	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2H17007-BS1) ug/L				Lab File ID: 0817LCS1.D		Analyzed: 08/17/12 11:35		
Bromofluorobenzene	30.00	100	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.5	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	89.5	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	94.4	85 - 120	9.477	9.477	0.0000	+/-1.000	
Blank (2H17007-BLK1) ug/L				Lab File ID: 0817BLK1.D		Analyzed: 08/17/12 12:56		
Bromofluorobenzene	30.00	95.8	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.5	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.0	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	
GW8223-TB (1208078-11) ug/L				Lab File ID: 0807811.D		Analyzed: 08/17/12 13:23		
Bromofluorobenzene	30.00	99.0	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.9	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.6	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	95.2	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0708 (1208078-09) ug/L				Lab File ID: 0807809.D		Analyzed: 08/17/12 19:43		
Bromofluorobenzene	30.00	95.0	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.3	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.3	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	92.9	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0632 (1208078-01) ug/L				Lab File ID: 0807801D.D		Analyzed: 08/17/12 20:11		
Bromofluorobenzene	30.00	100	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.6	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	85.3	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	93.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0637 (1208078-03) ug/L				Lab File ID: 0807803D.D		Analyzed: 08/17/12 20:38		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.0	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	85.8	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	97.1	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23310	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0641 (1208078-05) ug/L				Lab File ID: 0807805D.D		Analyzed: 08/17/12 21:05		
Bromofluorobenzene	30.00	102	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.7	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.9	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	97.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0694 (1208078-07) ug/L				Lab File ID: 0807807D.D		Analyzed: 08/17/12 21:32		
Bromofluorobenzene	30.00	99.7	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.8	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	89.2	70 - 120	7.238	7.232	0.0060	+/-1.000	
Toluene-d8	30.00	94.3	85 - 120	9.477	9.477	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23403	Instrument:	MS-VOA3
		Calibration:	2213002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23403-CCV1) ug/L				Lab File ID: SEQCCV1.D		Analyzed: 08/20/12 07:14		
Bromofluorobenzene	30.00	102	80 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.5	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.2	80 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	92.6	80 - 120	9.477	9.477	0.0000	+/-1.000	
LCS (2H20007-BS1) ug/L				Lab File ID: 0820LCS1.D		Analyzed: 08/20/12 07:42		
Bromofluorobenzene	30.00	102	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.4	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.8	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	
Blank (2H20007-BLK1) ug/L				Lab File ID: 0820BLK1.D		Analyzed: 08/20/12 09:03		
Bromofluorobenzene	30.00	98.9	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.3	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	89.2	70 - 120	7.232	7.238	-0.0060	+/-1.000	
Toluene-d8	30.00	96.5	85 - 120	9.477	9.477	0.0000	+/-1.000	
GW0632 (1208078-01RE1) ug/L				Lab File ID: 0807801D.D		Analyzed: 08/20/12 14:58		
Bromofluorobenzene	30.00	101	75 - 120	12.117	12.117	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.3	85 - 115	6.733	6.727	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.0	70 - 120	7.238	7.238	0.0000	+/-1.000	
Toluene-d8	30.00	94.5	85 - 120	9.477	9.477	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H09007	Laboratory ID:	2H09007-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	105	105	40 - 140
Benzene	50.00	52.7	105	80 - 120
Bromobenzene	50.00	51.8	104	75 - 125
Bromochloromethane	50.00	49.6	99.2	65 - 130
Bromodichloromethane	50.00	46.2	92.3	75 - 120
Bromoform	50.00	49.1	98.3	70 - 130
Bromomethane	50.00	48.2	96.5	30 - 145
n-Butylbenzene	50.00	53.9	108	70 - 135
2-Butanone	100.0	121	121	30 - 150
sec-Butylbenzene	50.00	54.2	108	70 - 125
tert-Butylbenzene	50.00	53.6	107	70 - 130
Carbon disulfide	50.00	46.2	92.4	35 - 160
Carbon tetrachloride	50.00	44.3	88.6	65 - 140
Chlorobenzene	50.00	50.1	100	80 - 120
Chloroethane	50.00	51.0	102	60 - 135
Chloroform	50.00	49.5	99.1	65 - 135
Chloromethane	50.00	44.6	89.2	40 - 125
2-Chlorotoluene	50.00	51.6	103	75 - 125
4-Chlorotoluene	50.00	49.9	99.8	75 - 130
Dibromochloromethane	50.00	47.0	94.0	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.5	103	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.4	98.8	80 - 120
Dibromomethane	50.00	48.2	96.5	75 - 125
1,2-Dichlorobenzene	50.00	50.2	100	70 - 120
1,3-Dichlorobenzene	50.00	50.3	101	75 - 125
1,4-Dichlorobenzene	50.00	50.0	100	75 - 125
Dichlorodifluoromethane	50.00	35.8	71.5	30 - 155
1,1-Dichloroethane	50.00	50.2	100	70 - 135
1,2-Dichloroethane	50.00	50.3	101	70 - 130
1,1-Dichloroethene	50.00	47.7	95.4	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H09007	Laboratory ID:	2H09007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	51.1	102	70 - 125
trans-1,2-Dichloroethene	50.00	50.8	102	60 - 140
1,2-Dichloropropane	50.00	52.4	105	75 - 125
1,3-Dichloropropane	50.00	49.9	99.9	75 - 125
2,2-Dichloropropane	50.00	52.5	105	70 - 135
1,1-Dichloropropene	50.00	51.7	103	75 - 130
cis-1,3-Dichloropropene	50.00	54.2	108	70 - 130
trans-1,3-Dichloropropene	50.00	46.2	92.4	55 - 140
Ethylbenzene	50.00	52.1	104	75 - 125
Hexachlorobutadiene	50.00	54.1	108	50 - 140
2-Hexanone	100.0	126	126	55 - 130
Isopropylbenzene	50.00	50.4	101	75 - 125
p-Isopropyltoluene	50.00	49.4	98.9	75 - 130
Methylene chloride	50.00	45.5	90.9	55 - 140
Naphthalene	50.00	50.1	100	55 - 140
4-Methyl-2-pentanone	100.0	129	129	60 - 135
Methyl t-Butyl Ether	50.00	50.6	101	65 - 125
n-Propylbenzene	50.00	51.8	104	70 - 130
Styrene	50.00	52.7	105	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.4	101	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.2	96.3	80 - 130
Tetrachloroethene	50.00	51.4	103	45 - 150
Toluene	50.00	51.5	103	75 - 120
1,2,3-Trichlorobenzene	50.00	54.9	110	55 - 140
1,2,4-Trichlorobenzene	50.00	53.4	107	65 - 135
1,1,2-Trichloroethane	50.00	50.6	101	75 - 125
1,1,1-Trichloroethane	50.00	50.4	101	65 - 130
Trichloroethene	50.00	51.0	102	70 - 125
Trichlorofluoromethane	50.00	50.7	101	60 - 145
1,2,3-Trichloropropane	50.00	51.1	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H09007	Laboratory ID:	2H09007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	52.5	105	75 - 130
1,2,4-Trimethylbenzene	50.00	52.6	105	75 - 130
Vinyl chloride	50.00	51.3	103	50 - 145
Xylenes (total)	150.0	156	104	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10001	Laboratory ID:	2H10001-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	81.3	81.3	40 - 140
Benzene	50.00	52.9	106	80 - 120
Bromobenzene	50.00	51.8	104	75 - 125
Bromochloromethane	50.00	49.8	99.5	65 - 130
Bromodichloromethane	50.00	46.0	91.9	75 - 120
Bromoform	50.00	50.2	100	70 - 130
Bromomethane	50.00	47.3	94.6	30 - 145
n-Butylbenzene	50.00	52.8	106	70 - 135
2-Butanone	100.0	98.1	98.1	30 - 150
sec-Butylbenzene	50.00	52.9	106	70 - 125
tert-Butylbenzene	50.00	52.6	105	70 - 130
Carbon disulfide	50.00	45.4	90.9	35 - 160
Carbon tetrachloride	50.00	41.4	82.8	65 - 140
Chlorobenzene	50.00	49.4	98.9	80 - 120
Chloroethane	50.00	51.7	103	60 - 135
Chloroform	50.00	48.1	96.2	65 - 135
Chloromethane	50.00	46.7	93.4	40 - 125
2-Chlorotoluene	50.00	50.8	102	75 - 125
4-Chlorotoluene	50.00	50.8	102	75 - 130
Dibromochloromethane	50.00	47.4	94.8	60 - 135
1,2-Dibromo-3-chloropropane	50.00	53.2	106	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.6	101	80 - 120
Dibromomethane	50.00	47.8	95.6	75 - 125
1,2-Dichlorobenzene	50.00	49.7	99.4	70 - 120
1,3-Dichlorobenzene	50.00	50.0	99.9	75 - 125
1,4-Dichlorobenzene	50.00	50.4	101	75 - 125
Dichlorodifluoromethane	50.00	33.2	66.4	30 - 155
1,1-Dichloroethane	50.00	49.5	99.1	70 - 135
1,2-Dichloroethane	50.00	48.4	96.9	70 - 130
1,1-Dichloroethene	50.00	45.3	90.5	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10001	Laboratory ID:	2H10001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	51.9	104	70 - 125
trans-1,2-Dichloroethene	50.00	50.0	100	60 - 140
1,2-Dichloropropane	50.00	51.6	103	75 - 125
1,3-Dichloropropane	50.00	50.0	100	75 - 125
2,2-Dichloropropane	50.00	50.0	100	70 - 135
1,1-Dichloropropene	50.00	51.1	102	75 - 130
cis-1,3-Dichloropropene	50.00	53.5	107	70 - 130
trans-1,3-Dichloropropene	50.00	46.4	92.9	55 - 140
Ethylbenzene	50.00	52.1	104	75 - 125
Hexachlorobutadiene	50.00	52.6	105	50 - 140
2-Hexanone	100.0	98.8	98.8	55 - 130
Isopropylbenzene	50.00	50.5	101	75 - 125
p-Isopropyltoluene	50.00	47.6	95.2	75 - 130
Methylene chloride	50.00	45.9	91.9	55 - 140
Naphthalene	50.00	49.7	99.5	55 - 140
4-Methyl-2-pentanone	100.0	104	104	60 - 135
Methyl t-Butyl Ether	50.00	48.9	97.8	65 - 125
n-Propylbenzene	50.00	51.9	104	70 - 130
Styrene	50.00	54.1	108	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.9	104	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.6	97.1	80 - 130
Tetrachloroethene	50.00	50.6	101	45 - 150
Toluene	50.00	51.8	104	75 - 120
1,2,3-Trichlorobenzene	50.00	55.0	110	55 - 140
1,2,4-Trichlorobenzene	50.00	54.0	108	65 - 135
1,1,2-Trichloroethane	50.00	51.8	104	75 - 125
1,1,1-Trichloroethane	50.00	49.5	99.0	65 - 130
Trichloroethene	50.00	50.7	101	70 - 125
Trichlorofluoromethane	50.00	47.8	95.5	60 - 145
1,2,3-Trichloropropane	50.00	51.6	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10001	Laboratory ID:	2H10001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.3	107	75 - 130
1,2,4-Trimethylbenzene	50.00	50.0	99.9	75 - 130
Vinyl chloride	50.00	51.0	102	50 - 145
Xylenes (total)	150.0	156	104	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15005	Laboratory ID:	2H15005-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	90.6	90.6	40 - 140
Benzene	50.00	52.8	106	80 - 120
Bromobenzene	50.00	49.0	98.0	75 - 125
Bromochloromethane	50.00	50.0	100	65 - 130
Bromodichloromethane	50.00	47.1	94.1	75 - 120
Bromoform	50.00	46.1	92.2	70 - 130
Bromomethane	50.00	54.3	109	30 - 145
n-Butylbenzene	50.00	51.9	104	70 - 135
2-Butanone	100.0	103	103	30 - 150
sec-Butylbenzene	50.00	50.9	102	70 - 125
tert-Butylbenzene	50.00	51.4	103	70 - 130
Carbon disulfide	50.00	47.8	95.7	35 - 160
Carbon tetrachloride	50.00	44.6	89.2	65 - 140
Chlorobenzene	50.00	46.3	92.7	80 - 120
Chloroethane	50.00	55.4	111	60 - 135
Chloroform	50.00	48.8	97.6	65 - 135
Chloromethane	50.00	52.8	106	40 - 125
2-Chlorotoluene	50.00	50.1	100	75 - 125
4-Chlorotoluene	50.00	49.1	98.2	75 - 130
Dibromochloromethane	50.00	44.2	88.3	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.9	91.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.3	90.6	80 - 120
Dibromomethane	50.00	47.6	95.2	75 - 125
1,2-Dichlorobenzene	50.00	49.0	98.0	70 - 120
1,3-Dichlorobenzene	50.00	48.8	97.6	75 - 125
1,4-Dichlorobenzene	50.00	48.2	96.5	75 - 125
Dichlorodifluoromethane	50.00	54.0	108	30 - 155
1,1-Dichloroethane	50.00	49.1	98.2	70 - 135
1,2-Dichloroethane	50.00	50.4	101	70 - 130
1,1-Dichloroethene	50.00	45.9	91.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15005	Laboratory ID:	2H15005-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	50.5	101	70 - 125
trans-1,2-Dichloroethene	50.00	51.1	102	60 - 140
1,2-Dichloropropane	50.00	51.2	102	75 - 125
1,3-Dichloropropane	50.00	46.2	92.5	75 - 125
2,2-Dichloropropane	50.00	55.7	111	70 - 135
1,1-Dichloropropene	50.00	52.3	105	75 - 130
cis-1,3-Dichloropropene	50.00	54.0	108	70 - 130
trans-1,3-Dichloropropene	50.00	44.3	88.6	55 - 140
Ethylbenzene	50.00	49.4	98.7	75 - 125
Hexachlorobutadiene	50.00	50.8	102	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	48.0	96.0	75 - 125
p-Isopropyltoluene	50.00	48.0	96.0	75 - 130
Methylene chloride	50.00	45.0	90.0	55 - 140
Naphthalene	50.00	45.6	91.2	55 - 140
4-Methyl-2-pentanone	100.0	108	108	60 - 135
Methyl t-Butyl Ether	50.00	49.6	99.1	65 - 125
n-Propylbenzene	50.00	48.7	97.5	70 - 130
Styrene	50.00	50.8	102	65 - 135
1,1,2,2-Tetrachloroethane	50.00	42.6	85.3	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.8	95.6	80 - 130
Tetrachloroethene	50.00	48.8	97.6	45 - 150
Toluene	50.00	48.5	96.9	75 - 120
1,2,3-Trichlorobenzene	50.00	50.4	101	55 - 140
1,2,4-Trichlorobenzene	50.00	51.4	103	65 - 135
1,1,2-Trichloroethane	50.00	45.5	91.0	75 - 125
1,1,1-Trichloroethane	50.00	52.0	104	65 - 130
Trichloroethene	50.00	53.2	106	70 - 125
Trichlorofluoromethane	50.00	53.5	107	60 - 145
1,2,3-Trichloropropane	50.00	46.5	93.0	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15005	Laboratory ID:	2H15005-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	51.3	103	75 - 130
1,2,4-Trimethylbenzene	50.00	50.0	99.9	75 - 130
Vinyl chloride	50.00	57.8	116	50 - 145
Xylenes (total)	150.0	147	97.9	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	94.6	94.6	4.34	30	40 - 140
Benzene	50.00	49.0	98.0	7.39	30	80 - 120
Bromobenzene	50.00	45.7	91.4	7.01	30	75 - 125
Bromochloromethane	50.00	47.3	94.6	5.49	30	65 - 130
Bromodichloromethane	50.00	44.6	89.3	5.30	30	75 - 120
Bromoform	50.00	46.0	92.1	0.109	30	70 - 130
Bromomethane	50.00	41.2	82.3	27.5	30	30 - 145
n-Butylbenzene	50.00	46.4	92.7	11.3	30	70 - 135
2-Butanone	100.0	112	112	7.62	30	30 - 150
sec-Butylbenzene	50.00	47.5	95.0	6.87	30	70 - 125
tert-Butylbenzene	50.00	47.9	95.7	7.09	30	70 - 130
Carbon disulfide	50.00	44.8	89.6	6.54	30	35 - 160
Carbon tetrachloride	50.00	48.4	96.7	8.09	30	65 - 140
Chlorobenzene	50.00	44.5	89.1	3.98	30	80 - 120
Chloroethane	50.00	50.0	100	10.2	30	60 - 135
Chloroform	50.00	46.8	93.6	4.23	30	65 - 135
Chloromethane	50.00	45.9	91.8	14.1	30	40 - 125
2-Chlorotoluene	50.00	45.8	91.5	9.08	30	75 - 125
4-Chlorotoluene	50.00	45.5	91.0	7.57	30	75 - 130
Dibromochloromethane	50.00	43.8	87.7	0.682	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.2	88.5	3.75	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.1	90.1	0.553	30	80 - 120
Dibromomethane	50.00	47.2	94.5	0.801	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15005	Laboratory ID:	2H15005-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	44.8	89.6	8.96	30	70 - 120
1,3-Dichlorobenzene	50.00	44.6	89.2	8.99	30	75 - 125
1,4-Dichlorobenzene	50.00	45.0	89.9	7.08	30	75 - 125
Dichlorodifluoromethane	50.00	51.1	102	5.56	30	30 - 155
1,1-Dichloroethane	50.00	46.9	93.8	4.52	30	70 - 135
1,2-Dichloroethane	50.00	47.5	95.0	6.02	30	70 - 130
1,1-Dichloroethene	50.00	42.5	84.9	7.74	30	70 - 130
cis-1,2-Dichloroethene	50.00	47.2	94.4	6.76	30	70 - 125
trans-1,2-Dichloroethene	50.00	46.5	92.9	9.43	30	60 - 140
1,2-Dichloropropane	50.00	48.7	97.4	5.07	30	75 - 125
1,3-Dichloropropane	50.00	45.7	91.4	1.22	30	75 - 125
2,2-Dichloropropane	50.00	43.1	86.1	25.6	30	70 - 135
1,1-Dichloropropene	50.00	47.4	94.9	9.84	30	75 - 130
cis-1,3-Dichloropropene	50.00	49.9	99.8	7.88	30	70 - 130
trans-1,3-Dichloropropene	50.00	41.1	82.2	7.49	30	55 - 140
Ethylbenzene	50.00	48.5	97.1	1.70	30	75 - 125
Hexachlorobutadiene	50.00	39.8	79.6	24.4	30	50 - 140
2-Hexanone	100.0	111	111	7.87	30	55 - 130
Isopropylbenzene	50.00	45.4	90.9	5.44	30	75 - 125
p-Isopropyltoluene	50.00	43.5	87.0	9.81	30	75 - 130
Methylene chloride	50.00	42.3	84.6	6.19	30	55 - 140
Naphthalene	50.00	41.5	82.9	9.44	30	55 - 140
4-Methyl-2-pentanone	100.0	120	120	10.8	30	60 - 135
Methyl t-Butyl Ether	50.00	45.2	90.5	9.11	30	65 - 125
n-Propylbenzene	50.00	45.5	91.0	6.92	30	70 - 130
Styrene	50.00	47.1	94.2	7.54	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	42.5	85.1	0.258	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.2	92.4	3.40	30	80 - 130
Tetrachloroethene	50.00	45.7	91.3	6.59	30	45 - 150
Toluene	50.00	46.4	92.7	4.45	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15005	Laboratory ID:	2H15005-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	43.9	87.8	13.7	30	55 - 140
1,2,4-Trichlorobenzene	50.00	44.1	88.2	15.2	30	65 - 135
1,1,2-Trichloroethane	50.00	45.6	91.3	0.285	30	75 - 125
1,1,1-Trichloroethane	50.00	49.8	99.6	4.40	30	65 - 130
Trichloroethene	50.00	50.3	101	5.58	30	70 - 125
Trichlorofluoromethane	50.00	52.8	106	1.34	30	60 - 145
1,2,3-Trichloropropane	50.00	46.2	92.4	0.690	30	75 - 125
1,3,5-Trimethylbenzene	50.00	47.6	95.1	7.62	30	75 - 130
1,2,4-Trimethylbenzene	50.00	45.6	91.1	9.25	30	75 - 130
Vinyl chloride	50.00	55.0	110	4.98	30	50 - 145
Xylenes (total)	150.0	143	95.0	3.01	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H17007	Laboratory ID:	2H17007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	85.1	85.1	40 - 140
Benzene	50.00	50.5	101	80 - 120
Bromobenzene	50.00	46.7	93.5	75 - 125
Bromochloromethane	50.00	48.4	96.7	65 - 130
Bromodichloromethane	50.00	44.7	89.4	75 - 120
Bromoform	50.00	46.2	92.5	70 - 130
Bromomethane	50.00	67.1	134	30 - 145
n-Butylbenzene	50.00	48.7	97.4	70 - 135
2-Butanone	100.0	102	102	30 - 150
sec-Butylbenzene	50.00	48.4	96.8	70 - 125
tert-Butylbenzene	50.00	49.0	98.0	70 - 130
Carbon disulfide	50.00	45.9	91.9	35 - 160
Carbon tetrachloride	50.00	44.8	89.7	65 - 140
Chlorobenzene	50.00	46.2	92.5	80 - 120
Chloroethane	50.00	51.7	103	60 - 135
Chloroform	50.00	46.8	93.6	65 - 135
Chloromethane	50.00	44.7	89.5	40 - 125
2-Chlorotoluene	50.00	46.4	92.8	75 - 125
4-Chlorotoluene	50.00	46.0	92.0	75 - 130
Dibromochloromethane	50.00	44.2	88.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.0	87.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.1	90.1	80 - 120
Dibromomethane	50.00	45.8	91.5	75 - 125
1,2-Dichlorobenzene	50.00	46.3	92.5	70 - 120
1,3-Dichlorobenzene	50.00	45.9	91.7	75 - 125
1,4-Dichlorobenzene	50.00	46.3	92.7	75 - 125
Dichlorodifluoromethane	50.00	51.0	102	30 - 155
1,1-Dichloroethane	50.00	46.8	93.7	70 - 135
1,2-Dichloroethane	50.00	47.6	95.2	70 - 130
1,1-Dichloroethene	50.00	44.1	88.2	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H17007	Laboratory ID:	2H17007-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	49.2	98.4	60 - 140
1,2-Dichloropropane	50.00	49.0	98.0	75 - 125
1,3-Dichloropropane	50.00	46.2	92.3	75 - 125
2,2-Dichloropropane	50.00	49.7	99.3	70 - 135
1,1-Dichloropropene	50.00	48.7	97.4	75 - 130
cis-1,3-Dichloropropene	50.00	52.1	104	70 - 130
trans-1,3-Dichloropropene	50.00	42.5	84.9	55 - 140
Ethylbenzene	50.00	49.1	98.3	75 - 125
Hexachlorobutadiene	50.00	47.6	95.2	50 - 140
2-Hexanone	100.0	107	107	55 - 130
Isopropylbenzene	50.00	46.5	93.1	75 - 125
p-Isopropyltoluene	50.00	44.9	89.8	75 - 130
Methylene chloride	50.00	44.6	89.2	55 - 140
Naphthalene	50.00	42.8	85.6	55 - 140
4-Methyl-2-pentanone	100.0	117	117	60 - 135
Methyl t-Butyl Ether	50.00	47.1	94.2	65 - 125
n-Propylbenzene	50.00	46.5	92.9	70 - 130
Styrene	50.00	50.3	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	42.8	85.5	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.0	91.9	80 - 130
Tetrachloroethene	50.00	47.7	95.4	45 - 150
Toluene	50.00	48.1	96.1	75 - 120
1,2,3-Trichlorobenzene	50.00	47.1	94.3	55 - 140
1,2,4-Trichlorobenzene	50.00	46.8	93.6	65 - 135
1,1,2-Trichloroethane	50.00	46.1	92.3	75 - 125
1,1,1-Trichloroethane	50.00	47.9	95.9	65 - 130
Trichloroethene	50.00	51.0	102	70 - 125
Trichlorofluoromethane	50.00	50.9	102	60 - 145
1,2,3-Trichloropropane	50.00	45.7	91.4	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H17007	Laboratory ID:	2H17007-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	48.3	96.5	75 - 130
1,2,4-Trimethylbenzene	50.00	47.6	95.2	75 - 130
Vinyl chloride	50.00	57.9	116	50 - 145
Xylenes (total)	150.0	146	97.2	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H20007	Laboratory ID:	2H20007-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	84.1	84.1	40 - 140
Benzene	50.00	50.5	101	80 - 120
Bromobenzene	50.00	46.6	93.2	75 - 125
Bromochloromethane	50.00	47.9	95.8	65 - 130
Bromodichloromethane	50.00	44.8	89.6	75 - 120
Bromoform	50.00	45.1	90.2	70 - 130
Bromomethane	50.00	54.2	108	30 - 145
n-Butylbenzene	50.00	48.1	96.1	70 - 135
2-Butanone	100.0	101	101	30 - 150
sec-Butylbenzene	50.00	48.9	97.8	70 - 125
tert-Butylbenzene	50.00	48.8	97.6	70 - 130
Carbon disulfide	50.00	45.8	91.7	35 - 160
Carbon tetrachloride	50.00	47.7	95.4	65 - 140
Chlorobenzene	50.00	46.1	92.3	80 - 120
Chloroethane	50.00	51.8	104	60 - 135
Chloroform	50.00	46.3	92.6	65 - 135
Chloromethane	50.00	43.8	87.6	40 - 125
2-Chlorotoluene	50.00	46.2	92.5	75 - 125
4-Chlorotoluene	50.00	44.7	89.5	75 - 130
Dibromochloromethane	50.00	43.7	87.4	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.4	84.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	44.5	88.9	80 - 120
Dibromomethane	50.00	44.7	89.3	75 - 125
1,2-Dichlorobenzene	50.00	45.1	90.2	70 - 120
1,3-Dichlorobenzene	50.00	45.9	91.8	75 - 125
1,4-Dichlorobenzene	50.00	45.4	90.8	75 - 125
Dichlorodifluoromethane	50.00	49.9	99.8	30 - 155
1,1-Dichloroethane	50.00	47.7	95.4	70 - 135
1,2-Dichloroethane	50.00	48.0	96.0	70 - 130
1,1-Dichloroethene	50.00	45.4	90.9	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H20007	Laboratory ID:	2H20007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.3	98.6	70 - 125
trans-1,2-Dichloroethene	50.00	49.3	98.5	60 - 140
1,2-Dichloropropane	50.00	47.3	94.5	75 - 125
1,3-Dichloropropane	50.00	45.0	90.0	75 - 125
2,2-Dichloropropane	50.00	52.8	106	70 - 135
1,1-Dichloropropene	50.00	49.2	98.5	75 - 130
cis-1,3-Dichloropropene	50.00	52.2	104	70 - 130
trans-1,3-Dichloropropene	50.00	42.3	84.6	55 - 140
Ethylbenzene	50.00	50.1	100	75 - 125
Hexachlorobutadiene	50.00	47.7	95.3	50 - 140
2-Hexanone	100.0	101	101	55 - 130
Isopropylbenzene	50.00	47.0	94.1	75 - 125
p-Isopropyltoluene	50.00	44.8	89.6	75 - 130
Methylene chloride	50.00	43.7	87.4	55 - 140
Naphthalene	50.00	40.8	81.5	55 - 140
4-Methyl-2-pentanone	100.0	111	111	60 - 135
Methyl t-Butyl Ether	50.00	47.4	94.7	65 - 125
n-Propylbenzene	50.00	46.5	93.0	70 - 130
Styrene	50.00	49.7	99.4	65 - 135
1,1,2,2-Tetrachloroethane	50.00	40.1	80.2	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.8	93.6	80 - 130
Tetrachloroethene	50.00	48.0	96.0	45 - 150
Toluene	50.00	47.7	95.4	75 - 120
1,2,3-Trichlorobenzene	50.00	46.6	93.1	55 - 140
1,2,4-Trichlorobenzene	50.00	47.3	94.7	65 - 135
1,1,2-Trichloroethane	50.00	45.2	90.4	75 - 125
1,1,1-Trichloroethane	50.00	49.2	98.3	65 - 130
Trichloroethene	50.00	51.4	103	70 - 125
Trichlorofluoromethane	50.00	51.3	103	60 - 145
1,2,3-Trichloropropane	50.00	44.6	89.1	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H20007	Laboratory ID:	2H20007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.0	98.1	75 - 130
1,2,4-Trimethylbenzene	50.00	46.6	93.2	75 - 130
Vinyl chloride	50.00	54.0	108	50 - 145
Xylenes (total)	150.0	145	96.9	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H09007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8056-RB	1208055-21	08/09/12 00:00	5.00	5.00
GW8221-TB	1208055-23	08/09/12 00:00	5.00	5.00
Blank	2H09007-BLK1	08/09/12 00:00	5.00	5.00
LCS	2H09007-BS1	08/09/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H10001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8057-RB	1208065-15	08/10/12 11:18	5.00	5.00
GW8059-AB	1208065-17	08/10/12 11:45	5.00	5.00
GW8222-TB	1208065-18	08/10/12 10:50	5.00	5.00
Blank	2H10001-BLK1	08/10/12 09:55	5.00	5.00
LCS	2H10001-BS1	08/10/12 08:30	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H15005 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/15/12 16:43	5.00	5.00
GW0688	1208055-03	08/15/12 09:46	5.00	5.00
GW0689	1208055-05	08/15/12 10:14	5.00	5.00
GW0704	1208055-07	08/15/12 10:41	5.00	5.00
GW0705	1208055-09	08/15/12 11:09	5.00	5.00
GW0706	1208055-11	08/15/12 11:37	5.00	5.00
GW0707	1208055-13	08/15/12 17:10	5.00	5.00
GW0734	1208055-15	08/15/12 12:04	5.00	5.00
GW0735	1208055-17	08/15/12 12:32	5.00	5.00
GW0736	1208055-19	08/15/12 13:01	5.00	5.00
GW0633	1208065-01	08/15/12 15:47	5.00	5.00
GW0634	1208065-03	08/15/12 16:15	5.00	5.00
GW0636	1208065-05	08/15/12 15:20	5.00	5.00
GW0642	1208065-07	08/15/12 13:29	5.00	5.00
GW0695	1208065-09	08/15/12 14:52	5.00	5.00
GW0696	1208065-11	08/15/12 13:57	5.00	5.00
GW0733	1208065-13	08/15/12 14:24	5.00	5.00
Blank	2H15005-BLK1	08/15/12 09:18	5.00	5.00
LCS	2H15005-BS1	08/15/12 07:55	5.00	5.00
LCS Dup	2H15005-BSD1	08/15/12 18:06	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H17007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01	08/17/12 20:11	5.00	5.00
GW0637	1208078-03	08/17/12 20:38	5.00	5.00
GW0641	1208078-05	08/17/12 21:05	5.00	5.00
GW0694	1208078-07	08/17/12 21:32	5.00	5.00
GW0708	1208078-09	08/17/12 19:43	5.00	5.00
GW8223-TB	1208078-11	08/17/12 13:23	5.00	5.00
Blank	2H17007-BLK1	08/17/12 12:56	5.00	5.00
LCS	2H17007-BS1	08/17/12 11:35	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H20007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01RE1	08/20/12 14:58	5.00	5.00
Blank	2H20007-BLK1	08/20/12 09:03	5.00	5.00
LCS	2H20007-BS1	08/20/12 07:42	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	07/30/12
Instrument ID:	MS-VOA3	Injection Time:	08:21
Sequence:	2G21301	Lab Sample ID:	2G21301-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	08/09/12
Instrument ID:	MS-VOA3	Injection Time:	10:53
Sequence:	2H22302	Lab Sample ID:	2H22302-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.2	PASS
75	30 - 60% of 95	45.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.79	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	110	PASS
175	5 - 9% of 174	6.69	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.94	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	08/10/12
Instrument ID:	MS-VOA3	Injection Time:	07:33
Sequence:	2H22601	Lab Sample ID:	2H22601-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.1	PASS
75	30 - 60% of 95	45.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.67	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	110	PASS
175	5 - 9% of 174	7.09	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	6.38	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	08/15/12
Instrument ID:	MS-VOA3	Injection Time:	06:58
Sequence:	2H22905	Lab Sample ID:	2H22905-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.7	PASS
75	30 - 60% of 95	47.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.57	PASS
173	Less than 2% of 174	0.431	PASS
174	50 - 200% of 95	107	PASS
175	5 - 9% of 174	7.93	PASS
176	95 - 101% of 174	99.3	PASS
177	5 - 9% of 176	6.82	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	08/17/12
Instrument ID:	MS-VOA3	Injection Time:	10:38
Sequence:	2H23310	Lab Sample ID:	2H23310-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.2	PASS
75	30 - 60% of 95	45.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.58	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	110	PASS
175	5 - 9% of 174	7.59	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	6.87	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQTUN1.D	Injection Date:	08/20/12
Instrument ID:	MS-VOA3	Injection Time:	06:45
Sequence:	2H23403	Lab Sample ID:	2H23403-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16	PASS
75	30 - 60% of 95	43.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.6	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	109	PASS
175	5 - 9% of 174	7.51	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.77	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2G21301	Instrument:	MS-VOA3
Calibration:	2213002		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22302	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H22302-TUN1	SEQTUN1.D	08/09/12 10:53
Calibration Check	2H22302-CCV1	SEQCCV1.D	08/09/12 11:23
LCS	2H09007-BS1	0809LCS1.D	08/09/12 11:51
Blank	2H09007-BLK1	0809BLK1.D	08/09/12 13:18
GW8221-TB	1208055-23	0805523.D	08/09/12 13:46
GW8056-RB	1208055-21	0805521.D	08/09/12 14:44

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22601	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H22601-TUN1	SEQTUN1.D	08/10/12 07:33
Calibration Check	2H22601-CCV1	SEQCCV1.D	08/10/12 08:03
LCS	2H10001-BS1	0810LCS1.D	08/10/12 08:30
Blank	2H10001-BLK1	0810BLK1.D	08/10/12 09:55
GW8222-TB	1208065-18	0806518.D	08/10/12 10:50
GW8057-RB	1208065-15	0806515.D	08/10/12 11:18
GW8059-AB	1208065-17	0806517.D	08/10/12 11:45

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H22905-TUN1	SEQTUN1.D	08/15/12 06:58
Calibration Check	2H22905-CCV1	SEQCCV1.D	08/15/12 07:27
LCS	2H15005-BS1	0815LCS1.D	08/15/12 07:55
Blank	2H15005-BLK1	0815BLK1.D	08/15/12 09:18
GW0688	1208055-03	0805503.D	08/15/12 09:46
GW0689	1208055-05	0805505.D	08/15/12 10:14
GW0704	1208055-07	0805507.D	08/15/12 10:41
GW0705	1208055-09	0805509.D	08/15/12 11:09
GW0706	1208055-11	0805511.D	08/15/12 11:37
GW0734	1208055-15	0805515.D	08/15/12 12:04
GW0735	1208055-17	0805517.D	08/15/12 12:32
GW0736	1208055-19	0805519.D	08/15/12 13:01
GW0642	1208065-07	0806507.D	08/15/12 13:29
GW0696	1208065-11	0806511.D	08/15/12 13:57
GW0733	1208065-13	0806513.D	08/15/12 14:24
GW0695	1208065-09	0806509D.D	08/15/12 14:52
GW0636	1208065-05	0806505D.D	08/15/12 15:20
GW0633	1208065-01	0806501D.D	08/15/12 15:47
GW0634	1208065-03	0806503D.D	08/15/12 16:15
GW0687	1208055-01	0805501D.D	08/15/12 16:43
GW0707	1208055-13	0805513D.D	08/15/12 17:10
LCS Dup	2H15005-BSD1	0815LCD1.D	08/15/12 18:06

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23310	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H23310-TUN1	SEQTUN1.D	08/17/12 10:38
Calibration Check	2H23310-CCV1	SEQCCV1.D	08/17/12 11:07
LCS	2H17007-BS1	0817LCS1.D	08/17/12 11:35
Blank	2H17007-BLK1	0817BLK1.D	08/17/12 12:56
GW8223-TB	1208078-11	0807811.D	08/17/12 13:23
GW0708	1208078-09	0807809.D	08/17/12 19:43
GW0632	1208078-01	0807801D.D	08/17/12 20:11
GW0637	1208078-03	0807803D.D	08/17/12 20:38
GW0641	1208078-05	0807805D.D	08/17/12 21:05
GW0694	1208078-07	0807807D.D	08/17/12 21:32

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23403	Instrument:	MS-VOA3
Calibration:	2213002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H23403-TUN1	SEQTUN1.D	08/20/12 06:45
Calibration Check	2H23403-CCV1	SEQCCV1.D	08/20/12 07:14
LCS	2H20007-BS1	0820LCS1.D	08/20/12 07:42
Blank	2H20007-BLK1	0820BLK1.D	08/20/12 09:03
GW0632	1208078-01RE1	0807801D.D	08/20/12 14:58

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22302	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H22302-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 08/09/12 11:23			
Fluorobenzene	431667	7.773	424767	7.767	102	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	194094	10.912	180527	10.912	108	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	282547	13.321	265672	13.321	106	50 - 200	0.0000	+/-0.50	
LCS (2H09007-BS1)			Lab File ID: 0809LCS1.D			Analyzed: 08/09/12 11:51			
Fluorobenzene	443474	7.773	431667	7.773	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	198425	10.918	194094	10.912	102	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	290040	13.321	282547	13.321	103	50 - 200	0.0000	+/-0.50	
Blank (2H09007-BLK1)			Lab File ID: 0809BLK1.D			Analyzed: 08/09/12 13:18			
Fluorobenzene	401873	7.773	431667	7.773	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	185787	10.912	194094	10.912	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	255070	13.322	282547	13.321	90	50 - 200	0.0010	+/-0.50	
GW8221-TB (1208055-23)			Lab File ID: 0805523.D			Analyzed: 08/09/12 13:46			
Fluorobenzene	405396	7.773	431667	7.773	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	182020	10.912	194094	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	247915	13.322	282547	13.321	88	50 - 200	0.0010	+/-0.50	
GW8056-RB (1208055-21)			Lab File ID: 0805521.D			Analyzed: 08/09/12 14:44			
Fluorobenzene	392525	7.767	431667	7.773	91	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	178966	10.919	194094	10.912	92	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	246165	13.322	282547	13.321	87	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22601	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H22601-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 08/10/12 08:03			
Fluorobenzene	423827	7.767	424767	7.767	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	194446	10.912	180527	10.912	108	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	284938	13.321	265672	13.321	107	50 - 200	0.0000	+/-0.50	
LCS (2H10001-BS1)			Lab File ID: 0810LCS1.D			Analyzed: 08/10/12 08:30			
Fluorobenzene	454517	7.767	423827	7.767	107	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	199272	10.912	194446	10.912	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	294134	13.321	284938	13.321	103	50 - 200	0.0000	+/-0.50	
Blank (2H10001-BLK1)			Lab File ID: 0810BLK1.D			Analyzed: 08/10/12 09:55			
Fluorobenzene	397083	7.767	423827	7.767	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	178625	10.912	194446	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	252546	13.322	284938	13.321	89	50 - 200	0.0010	+/-0.50	
GW8222-TB (1208065-18)			Lab File ID: 0806518.D			Analyzed: 08/10/12 10:50			
Fluorobenzene	393290	7.767	423827	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	178705	10.918	194446	10.912	92	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	250424	13.321	284938	13.321	88	50 - 200	0.0000	+/-0.50	
GW8057-RB (1208065-15)			Lab File ID: 0806515.D			Analyzed: 08/10/12 11:18			
Fluorobenzene	389562	7.767	423827	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	175603	10.912	194446	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	251189	13.321	284938	13.321	88	50 - 200	0.0000	+/-0.50	
GW8059-AB (1208065-17)			Lab File ID: 0806517.D			Analyzed: 08/10/12 11:45			
Fluorobenzene	387967	7.767	423827	7.767	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	174456	10.918	194446	10.912	90	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	241878	13.322	284938	13.321	85	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H22905-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 08/15/12 07:27			
Fluorobenzene	407882	7.773	424767	7.767	96	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	193866	10.912	180527	10.912	107	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	293767	13.322	265672	13.321	111	50 - 200	0.0010	+/-0.50	
LCS (2H15005-BS1)			Lab File ID: 0815LCS1.D			Analyzed: 08/15/12 07:55			
Fluorobenzene	429142	7.773	407882	7.773	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	202737	10.912	193866	10.912	105	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	297118	13.322	293767	13.322	101	50 - 200	0.0000	+/-0.50	
Blank (2H15005-BLK1)			Lab File ID: 0815BLK1.D			Analyzed: 08/15/12 09:18			
Fluorobenzene	389889	7.767	407882	7.773	96	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	178138	10.912	193866	10.912	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	259034	13.321	293767	13.322	88	50 - 200	-0.0010	+/-0.50	
GW0688 (1208055-03)			Lab File ID: 0805503.D			Analyzed: 08/15/12 09:46			
Fluorobenzene	379382	7.773	407882	7.773	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	182007	10.912	193866	10.912	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	251370	13.322	293767	13.322	86	50 - 200	0.0000	+/-0.50	
GW0689 (1208055-05)			Lab File ID: 0805505.D			Analyzed: 08/15/12 10:14			
Fluorobenzene	382571	7.767	407882	7.773	94	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	174943	10.912	193866	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	252407	13.322	293767	13.322	86	50 - 200	0.0000	+/-0.50	
GW0704 (1208055-07)			Lab File ID: 0805507.D			Analyzed: 08/15/12 10:41			
Fluorobenzene	379985	7.767	407882	7.773	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	182861	10.913	193866	10.912	94	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	262913	13.322	293767	13.322	89	50 - 200	0.0000	+/-0.50	
GW0705 (1208055-09)			Lab File ID: 0805509.D			Analyzed: 08/15/12 11:09			
Fluorobenzene	380956	7.767	407882	7.773	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	178734	10.918	193866	10.912	92	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	252743	13.321	293767	13.322	86	50 - 200	-0.0010	+/-0.50	
GW0706 (1208055-11)			Lab File ID: 0805511.D			Analyzed: 08/15/12 11:37			
Fluorobenzene	388014	7.767	407882	7.773	95	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	179350	10.912	193866	10.912	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	254712	13.321	293767	13.322	87	50 - 200	-0.0010	+/-0.50	
GW0734 (1208055-15)			Lab File ID: 0805515.D			Analyzed: 08/15/12 12:04			
Fluorobenzene	379044	7.773	407882	7.773	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	176947	10.918	193866	10.912	91	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	252326	13.321	293767	13.322	86	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0735 (1208055-17)			Lab File ID: 0805517.D			Analyzed: 08/15/12 12:32			
Fluorobenzene	372591	7.773	407882	7.773	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	174849	10.912	193866	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	246997	13.321	293767	13.322	84	50 - 200	-0.0010	+/-0.50	
GW0736 (1208055-19)			Lab File ID: 0805519.D			Analyzed: 08/15/12 13:01			
Fluorobenzene	370206	7.773	407882	7.773	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	174308	10.918	193866	10.912	90	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	249103	13.321	293767	13.322	85	50 - 200	-0.0010	+/-0.50	
GW0642 (1208065-07)			Lab File ID: 0806507.D			Analyzed: 08/15/12 13:29			
Fluorobenzene	372291	7.773	407882	7.773	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	173265	10.912	193866	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	247581	13.322	293767	13.322	84	50 - 200	0.0000	+/-0.50	
GW0696 (1208065-11)			Lab File ID: 0806511.D			Analyzed: 08/15/12 13:57			
Fluorobenzene	374010	7.773	407882	7.773	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	176601	10.912	193866	10.912	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	253001	13.322	293767	13.322	86	50 - 200	0.0000	+/-0.50	
GW0733 (1208065-13)			Lab File ID: 0806513.D			Analyzed: 08/15/12 14:24			
Fluorobenzene	368431	7.767	407882	7.773	90	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	174976	10.912	193866	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	250429	13.321	293767	13.322	85	50 - 200	-0.0010	+/-0.50	
GW0695 (1208065-09)			Lab File ID: 0806509D.D			Analyzed: 08/15/12 14:52			
Fluorobenzene	376085	7.767	407882	7.773	92	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	171586	10.919	193866	10.912	89	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	246412	13.322	293767	13.322	84	50 - 200	0.0000	+/-0.50	
GW0636 (1208065-05)			Lab File ID: 0806505D.D			Analyzed: 08/15/12 15:20			
Fluorobenzene	372977	7.767	407882	7.773	91	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	172713	10.912	193866	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	245534	13.322	293767	13.322	84	50 - 200	0.0000	+/-0.50	
GW0633 (1208065-01)			Lab File ID: 0806501D.D			Analyzed: 08/15/12 15:47			
Fluorobenzene	380849	7.767	407882	7.773	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	176184	10.919	193866	10.912	91	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	243807	13.322	293767	13.322	83	50 - 200	0.0000	+/-0.50	
GW0634 (1208065-03)			Lab File ID: 0806503D.D			Analyzed: 08/15/12 16:15			
Fluorobenzene	371240	7.773	407882	7.773	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	173457	10.912	193866	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	241605	13.321	293767	13.322	82	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22905	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0687 (1208055-01)			Lab File ID: 0805501D.D			Analyzed: 08/15/12 16:43			
Fluorobenzene	369849	7.773	407882	7.773	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	172228	10.912	193866	10.912	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	242410	13.321	293767	13.322	83	50 - 200	-0.0010	+/-0.50	
GW0707 (1208055-13)			Lab File ID: 0805513D.D			Analyzed: 08/15/12 17:10			
Fluorobenzene	369380	7.767	407882	7.773	91	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	174705	10.912	193866	10.912	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	250403	13.322	293767	13.322	85	50 - 200	0.0000	+/-0.50	
LCS Dup (2H15005-BSD1)			Lab File ID: 0815LCD1.D			Analyzed: 08/15/12 18:06			
Fluorobenzene	396613	7.773	407882	7.773	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	184241	10.912	193866	10.912	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	279299	13.322	293767	13.322	95	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23310	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H23310-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 08/17/12 11:07			
Fluorobenzene	457804	7.767	424767	7.767	108	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	214769	10.918	180527	10.912	119	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	316520	13.321	265672	13.321	119	50 - 200	0.0000	+/-0.50	
LCS (2H17007-BS1)			Lab File ID: 0817LCS1.D			Analyzed: 08/17/12 11:35			
Fluorobenzene	461143	7.773	457804	7.767	101	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	215840	10.912	214769	10.918	100	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	325794	13.321	316520	13.321	103	50 - 200	0.0000	+/-0.50	
Blank (2H17007-BLK1)			Lab File ID: 0817BLK1.D			Analyzed: 08/17/12 12:56			
Fluorobenzene	413105	7.773	457804	7.767	90	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	193717	10.912	214769	10.918	90	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	274713	13.322	316520	13.321	87	50 - 200	0.0010	+/-0.50	
GW8223-TB (1208078-11)			Lab File ID: 0807811.D			Analyzed: 08/17/12 13:23			
Fluorobenzene	408840	7.773	457804	7.767	89	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	189968	10.912	214769	10.918	88	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	273269	13.322	316520	13.321	86	50 - 200	0.0010	+/-0.50	
GW0708 (1208078-09)			Lab File ID: 0807809.D			Analyzed: 08/17/12 19:43			
Fluorobenzene	393507	7.767	457804	7.767	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	189407	10.918	214769	10.918	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	253801	13.321	316520	13.321	80	50 - 200	0.0000	+/-0.50	
GW0632 (1208078-01)			Lab File ID: 0807801D.D			Analyzed: 08/17/12 20:11			
Fluorobenzene	405111	7.767	457804	7.767	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	192619	10.912	214769	10.918	90	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	284217	13.321	316520	13.321	90	50 - 200	0.0000	+/-0.50	
GW0637 (1208078-03)			Lab File ID: 0807803D.D			Analyzed: 08/17/12 20:38			
Fluorobenzene	426855	7.767	457804	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	193125	10.918	214769	10.918	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	277427	13.322	316520	13.321	88	50 - 200	0.0010	+/-0.50	
GW0641 (1208078-05)			Lab File ID: 0807805D.D			Analyzed: 08/17/12 21:05			
Fluorobenzene	417487	7.767	457804	7.767	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	195607	10.912	214769	10.918	91	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	275845	13.321	316520	13.321	87	50 - 200	0.0000	+/-0.50	
GW0694 (1208078-07)			Lab File ID: 0807807D.D			Analyzed: 08/17/12 21:32			
Fluorobenzene	423560	7.767	457804	7.767	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	196505	10.918	214769	10.918	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	289087	13.321	316520	13.321	91	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23403	Instrument:	MS-VOA3
		Calibration:	2213002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H23403-CCV1)			Lab File ID: SEQCCV1.D			Analyzed: 08/20/12 07:14			
Fluorobenzene	447469	7.773	424767	7.767	105	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	211141	10.918	180527	10.912	117	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	312379	13.321	265672	13.321	118	50 - 200	0.0000	+/-0.50	
LCS (2H20007-BS1)			Lab File ID: 0820LCS1.D			Analyzed: 08/20/12 07:42			
Fluorobenzene	454401	7.773	447469	7.773	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	212937	10.912	211141	10.918	101	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	325551	13.321	312379	13.321	104	50 - 200	0.0000	+/-0.50	
Blank (2H20007-BLK1)			Lab File ID: 0820BLK1.D			Analyzed: 08/20/12 09:03			
Fluorobenzene	425010	7.767	447469	7.773	95	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	196013	10.912	211141	10.918	93	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	279325	13.322	312379	13.321	89	50 - 200	0.0010	+/-0.50	
GW0632 (1208078-01RE1)			Lab File ID: 0807801D.D			Analyzed: 08/20/12 14:58			
Fluorobenzene	416262	7.767	447469	7.773	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	200110	10.912	211141	10.918	95	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	287347	13.321	312379	13.321	92	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	6.737113E-02	2	7.904187E-02	4	7.632403E-02	10	5.797594E-02	20	5.638314E-02	100	5.418886E-02
Acrolein	2.508	3.096123E-02	5.015	3.565937E-02	10.03	3.304684E-02	25.08	0.0328328	50.15	2.978939E-02	250.8	0.0285724
Acrylonitrile	2.498	5.935305E-02	4.997	5.881595E-02	9.994	0.0641555	24.98	6.305579E-02	49.97	6.636471E-02	249.8	6.935443E-02
Benzene	0.5	0.7988065	1	0.9747566	2	0.9465063	5	0.9135744	10	0.9653311	50	0.963034
Bromobenzene	0.5	0.6833619	1	0.6603124	2	0.726477	5	0.7338881	10	0.741921	50	0.748983
Bromochloromethane	0.5	0.1478686	1	0.1873703	2	0.187961	5	0.1819833	10	0.1842307	50	0.1948868
Tert-Amyl Methyl Ether	0.5	0.4806123	1	0.5613928	2	0.557663	5	0.5773934	10	0.6066294	50	0.6630443
Bromodichloromethane	0.5	0.3961612	1	0.4479172	2	0.4552556	5	0.4217324	10	0.432042	50	0.431309
Bromoform	0.5	0.5781258	1	0.6451791	2	0.6886235	5	0.6761026	10	0.6912341	50	0.7403898
Bromomethane	0.5	~~0.2829271~~	1	0.2151407	2	0.1921744	5	0.1537931	10	0.1607115	50	0.1659659
Bromofluorobenzene	30	0.9731723	35	0.994452	40	1.014915	50	1.025684	60	0.9860768	70	1.024169
n-Butylbenzene	0.5	1.053117	1	1.182495	2	1.289355	5	1.274521	10	1.38214	50	1.444652
2-Butanone	1	7.962761E-02	2	6.587487E-02	4	7.943398E-02	10	6.614814E-02	20	7.930151E-02	100	0.0817398
sec-Butylbenzene	0.5	1.401396	1	1.758768	2	1.878556	5	1.802391	10	2.03	50	2.094536
tert-Butylbenzene	0.5	1.261671	1	1.619347	2	1.584052	5	1.623092	10	1.756871	50	1.836203
Carbon disulfide	0.5	0.5870461	1	0.6370431	2	0.5988347	5	0.5691278	10	0.6272106	50	0.6190256
Carbon tetrachloride	0.5	0.440759	1	0.5059318	2	0.5006407	5	0.4730071	10	0.4941267	50	0.5018551
Chlorobenzene	0.5	1.798735	1	2.101293	2	2.064482	5	2.103525	10	2.085467	50	2.185676
Chloroethane	0.5	0.1339515	1	0.1349417	2	0.1339081	5	0.1304751	10	0.1462853	50	0.1414813
Chloroform	0.5	0.5342246	1	0.573682	2	0.5287707	5	0.5028317	10	0.5114676	50	0.5101984
2-Chloroethyl vinyl ether	0.9975	0.1045601	1.995	0.12276	3.99	0.1196004	9.975	0.1294288	19.95	0.140159	99.75	0.1530392
Chloromethane	0.5	0.2285241	1	0.2292653	2	0.2387233	5	0.1941871	10	0.2268271	50	0.2244223
1-Chlorohexane	0.5	0.9362728	1	0.8696212	2	0.8122463	5	0.7623178	10	0.7663316	50	0.8441239
2-Chlorotoluene	0.5	1.266846	1	1.376135	2	1.460227	5	1.430061	10	1.475243	50	1.564272
4-Chlorotoluene	0.5	1.476434	1	1.632256	2	1.613592	5	1.684243	10	1.778305	50	1.829767
Cyclohexane	0.5	0.2611027	1	0.2884769	2	0.2777681	5	0.2685931	10	0.286718	50	0.3118672
Dibromochloromethane	0.5	0.8344645	1	0.9018158	2	0.9626109	5	0.9643477	10	0.9454267	50	1.016624
1,2-Dibromo-3-chloropropane	0.5	~~0.117473~~	1	0.1497483	2	0.1392715	5	0.1554403	10	0.1474965	50	0.1767709
1,2-Dibromoethane (EDB)	0.5	0.7064769	1	0.7060728	2	0.6646577	5	0.707769	10	0.7199009	50	0.7378145
Dibromomethane	0.5	0.1628926	1	0.2008565	2	0.2061391	5	0.1757724	10	0.1914941	50	0.1868574
1,2-Dichlorobenzene	0.5	1.148338	1	1.259951	2	1.249517	5	1.208245	10	1.313284	50	1.334291

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.138764	1	1.328758	2	1.345283	5	1.298727	10	1.356645	50	1.387766
1,4-Dichlorobenzene	0.5	1.249768	1	1.425707	2	1.399408	5	1.360202	10	1.424354	50	1.437403
Dichlorodifluoromethane	0.5	0.2318452	1	0.2424323	2	0.2427762	5	0.2351415	10	0.3046248	50	0.3009447
1,1-Dichloroethane	0.5	0.3673782	1	0.452386	2	0.4329041	5	0.4187748	10	0.4301661	50	0.4257497
1,2-Dichloroethane	0.5	0.3379627	1	0.392536	2	0.3964275	5	0.3948808	10	0.398492	50	0.3992076
1,1-Dichloroethene	0.5	0.2176119	1	0.2535245	2	0.2174151	5	0.2172405	10	0.2328348	50	0.233644
cis-1,2-Dichloroethene	0.5	0.2541441	1	0.2860829	2	0.3078643	5	0.2899342	10	0.2998496	50	0.2980089
trans-1,2-Dichloroethene	0.5	0.258256	1	0.2603873	2	0.2840683	5	0.2690133	10	0.2705786	50	0.2730673
1,2-Dichloroethene (total)	1	0.2562001	2	0.2732351	4	0.2959663	10	0.2794738	20	0.2852141	100	0.2855381
1,2-Dichloropropane	0.5	0.1821867	1	0.2252753	2	0.2229529	5	0.209364	10	0.2164861	50	0.2334376
1,3-Dichloropropane	0.5	0.8319193	1	0.9222363	2	0.9466028	5	0.941539	10	0.9698545	50	0.9943379
2,2-Dichloropropane	0.5	0.3488749	1	0.3931744	2	0.4049748	5	0.3632194	10	0.3789496	50	0.3884398
1,1-Dichloropropene	0.5	0.2944719	1	0.3294143	2	0.3800552	5	0.3205683	10	0.351477	50	0.3603546
cis-1,3-Dichloropropene	0.5	0.3112356	1	0.3784114	2	0.4030487	5	0.3907714	10	0.3999726	50	0.4279354
trans-1,3-Dichloropropene	0.5	0.8493722	1	0.8486487	2	0.9331857	5	0.9692194	10	1.00488	50	1.076993
Diisopropyl Ether	0.5	0.5388109	1	0.6036868	2	0.6416516	5	0.6374474	10	0.6694815	50	0.6957352
Ethylbenzene	0.5	2.488122	1	2.813989	2	2.813529	5	2.830781	10	3.000395	50	3.202767
Ethyl tert-Butyl Ether	0.5	0.5358061	1	0.6282651	2	0.6451427	5	0.601692	10	0.6697528	50	0.7034257
Ethyl Methacrylate	0.5	0.5199496	1	0.5456519	2	0.5788805	5	0.5936151	10	0.6130114	50	0.7217783
Hexachlorobutadiene	0.5	0.282815	1	0.2744524	2	0.2818252	5	0.2456991	10	0.2753235	50	0.2670567
2-Hexanone	1	0.2125248	2	0.2695145	4	0.244007	10	0.2711755	20	0.2674392	100	0.3079642
Iodomethane	0.5		1	0.1782731	2	0.2205452	5	0.2852799	10	0.3403608	50	0.4275286
Isopropylbenzene	0.5	2.285597	1	2.567103	2	2.600706	5	2.741539	10	2.824425	50	3.135925
p-Isopropyltoluene	0.5	1.57062	1	1.802788	2	1.841357	5	1.861054	10	1.967058	50	2.088742
Methylene chloride	0.5	~~0.403436~~	1	0.3491249	2	0.3074229	5	0.261277	10	0.2616872	50	0.2567152
Methyl Acetate	0.5	8.128817E-02	1	0.1090866	2	0.1105535	5	0.1264901	10	0.1246344	50	0.1267548
Methylcyclohexane	0.5	0.2149234	1	0.3142523	2	0.2792127	5	0.2839724	10	0.2800049	50	0.3134089
Naphthalene	0.5	1.44409	1	1.517363	2	1.713348	5	1.804928	10	1.991279	50	2.205326
Methyl Methacrylate	0.5	0.1478686	1	0.1754003	2	0.1541729	5	0.1607667	10	0.1747114	50	0.1921293
4-Methyl-2-pentanone	1	0.1373517	2	0.1487072	4	0.1491569	10	0.167896	20	0.1669866	100	0.1892885
Methyl t-Butyl Ether	0.5	0.5489324	1	0.5471086	2	0.6012424	5	0.5775179	10	0.585149	50	0.6267588

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	1.879051	1	1.99191	2	2.180847	5	2.115287	10	2.311565	50	2.37068
Styrene	0.5	1.612207	1	1.868205	2	2.059948	5	2.147887	10	2.142549	50	2.43802
1,1,2,2-Tetrachloroethane	0.5	0.4031343	1	0.477129	2	0.4975544	5	0.5032902	10	0.5033644	50	0.4987123
1,1,1,2-Tetrachloroethane	0.5	0.7690163	1	0.9108303	2	0.8212219	5	0.9093929	10	0.9200469	50	0.9402923
tert-Butyl alcohol	2.5		5		10	1.104331E-02	25	0.0112792	50	1.227274E-02	250	1.320429E-02
Tetrachloroethene	0.5	0.8406458	1	0.9318027	2	0.8408387	5	0.8427754	10	0.8749993	50	0.9184061
Toluene	0.5	1.387865	1	1.508545	2	1.552225	5	1.583872	10	1.582992	50	1.648495
1,2,3-Trichlorobenzene	0.5	0.6057365	1	0.6430139	2	0.6495688	5	0.6687813	10	0.7044227	50	0.7614153
1,2,4-Trichlorobenzene	0.5	0.593834	1	0.6978786	2	0.657871	5	0.7440385	10	0.8046492	50	0.8308033
1,1,2-Trichloroethane	0.5	0.4265041	1	0.4069393	2	0.4560905	5	0.4464292	10	0.4369698	50	0.4728798
1,1,1-Trichloroethane	0.5	0.4436057	1	0.4864606	2	0.4953438	5	0.4801675	10	0.4907081	50	0.4994792
Tetrahydrofuran	0.5		1		2	1.308183E-02	5	1.959772E-02	10	1.883701E-02	50	2.367847E-02
Trichloroethene	0.5	0.2413341	1	0.2862425	2	0.2904085	5	0.2889846	10	0.2924621	50	0.2964053
Trichlorofluoromethane	0.5	0.4198834	1	0.4820716	2	0.4655284	5	0.4221682	10	0.4652433	50	0.4649976
1,2,3-Trichloropropane	0.5	0.1897998	1	0.3114594	2	0.3018395	5	0.30179	10	0.2971028	50	0.3206891
1,3,5-Trimethylbenzene	0.5	1.393634	1	1.585653	2	1.66804	5	1.732408	10	1.858598	50	1.87124
1,2,4-Trimethylbenzene	0.5	1.64514	1	1.629803	2	1.755567	5	1.867448	10	1.964536	50	2.008825
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1957875	1	0.2524073	2	0.2619174	5	0.2312344	10	0.2521292	50	0.2525723
Vinyl chloride	0.5	0.1690604	1	0.2285471	2	0.2195018	5	0.2063909	10	0.2260364	50	0.2270634
m,p-Xylene	1	1.814188	2	2.224644	4	2.331299	10	2.320225	20	2.409944	100	2.579805
o-Xylene	0.5	2.11834	1	2.2045	2	2.336157	5	2.52065	10	2.488508	50	2.708102
Vinyl acetate	0.996	~~0.2947018~~	1.992	0.3172369	3.984	0.3509816	9.96	0.3665926	19.92	0.399567	99.62	0.4436572
Xylenes (total)	1.5	1.915572	3	2.21793	6	2.332918	15	2.387033	30	2.436132	150	2.622571
Dibromofluoromethane	30	0.3035892	35	0.3088054	40	0.3100112	50	0.3109655	60	0.3060666	70	0.2975452
1,2-Dichloroethane-d4	30	6.849135E-02	35	7.104933E-02	40	7.451023E-02	50	7.333501E-02	60	7.339071E-02	70	7.495031E-02
Toluene-d8	30	2.336022	35	2.38849	40	2.398713	50	2.510098	60	2.401292	70	2.389547
tert-Amyl alcohol	2.5		5		10	6.532888E-03	25	7.96673E-03	50	7.779765E-03	250	8.939632E-03
tert-Amyl ethyl ether	0.5	0.4171949	1	0.4590094	2	0.4661304	5	0.4668896	10	0.4960181	50	0.5325136

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	5.253551E-02	300	5.600353E-02	400	5.168798E-02						
Acrolein	501.5	2.756648E-02	752.2	2.922781E-02	1003	2.765782E-02						
Acrylonitrile	499.7	6.901541E-02	749.6	7.205678E-02	999.4	6.910276E-02						
Benzene	100	0.9488527	150	1.007826	200	0.976496						
Bromobenzene	100	0.7523149	150	0.7755237	200	0.7917892						
Bromochloromethane	100	0.1871551	150	0.1910638	200	0.183167						
Tert-Amyl Methyl Ether	100	0.6748695	150	0.7235524	200	0.7013315						
Bromodichloromethane	100	0.4219007	150	0.4429173	200	0.4211149						
Bromoform	100	0.7266243	150	0.7513732	200	0.7546702						
Bromomethane	100	0.1684305	150	0.1826879	200	0.1752945						
Bromofluorobenzene	30	1.035817	30	1.031528	30	1.036249						
n-Butylbenzene	100	1.430885	150	1.482847	200	1.529719						
2-Butanone	200	8.330626E-02	300	8.912438E-02	400	8.631599E-02						
sec-Butylbenzene	100	2.075772	150	2.163535	200	2.239904						
tert-Butylbenzene	100	1.845276	150	1.920163	200	1.999558						
Carbon disulfide	100	0.5838526	150	0.6391866	200	0.6224065						
Carbon tetrachloride	100	0.4718163	150	0.4932535	200	0.4759959						
Chlorobenzene	100	2.119603	150	2.24928	200	2.243936						
Chloroethane	100	0.133497	150	0.1445518	200	0.1360128						
Chloroform	100	0.493063	150	0.5169543	200	0.4936804						
2-Chloroethyl vinyl ether	199.5	0.1485952	299.2	0.1587938	399	0.1565833						
Chloromethane	100	0.2159257	150	0.2300218	200	0.2214303						
1-Chlorohexane	100	0.8008536	150	0.8697595	200	0.8653864						
2-Chlorotoluene	100	1.534676	150	1.60552	200	1.593547						
4-Chlorotoluene	100	1.786224	150	1.868208	200	1.885106						
Cyclohexane	100	0.2883458	150	0.3139392	200	0.3094954						
Dibromochloromethane	100	0.9752896	150	1.020333	200	1.033218						
1,2-Dibromo-3-chloropropane	100	0.1755112	150	0.1872966	200	0.1902087						
1,2-Dibromoethane (EDB)	100	0.738232	150	0.775889	200	0.7784123						
Dibromomethane	100	0.184253	150	0.1936452	200	0.1824758						
1,2-Dichlorobenzene	100	1.39339	150	1.431263	200	1.415746						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.378674	150	1.45289	200	1.451359						
1,4-Dichlorobenzene	100	1.438226	150	1.490508	200	1.500651						
Dichlorodifluoromethane	100	0.267347	150	0.2855424	200	0.2710256						
1,1-Dichloroethane	100	0.4152921	150	0.4353035	200	0.4198495						
1,2-Dichloroethane	100	0.3881679	150	0.4060048	200	0.3796557						
1,1-Dichloroethene	100	0.219962	150	0.2407254	200	0.2361765						
cis-1,2-Dichloroethene	100	0.2894483	150	0.3103318	200	0.2951832						
trans-1,2-Dichloroethene	100	0.2607922	150	0.2835303	200	0.2761394						
1,2-Dichloroethene (total)	200	0.2751202	300	0.296931	400	0.2856613						
1,2-Dichloropropane	100	0.2247321	150	0.2408271	200	0.2326889						
1,3-Dichloropropane	100	0.9695663	150	0.9895869	200	1.014137						
2,2-Dichloropropane	100	0.3762425	150	0.3973504	200	0.3747053						
1,1-Dichloropropene	100	0.3436136	150	0.376008	200	0.3596924						
cis-1,3-Dichloropropene	100	0.4259116	150	0.4495694	200	0.4258076						
trans-1,3-Dichloropropene	100	1.055191	150	1.100522	200	1.09804						
Diisopropyl Ether	100	0.6942905	150	0.7310683	200	0.6971019						
Ethylbenzene	100	3.141936	150	3.316202	200	3.333023						
Ethyl tert-Butyl Ether	100	0.6995925	150	0.7514486	200	0.7181847						
Ethyl Methacrylate	100	0.7173215	150	0.7480546	200	0.7680767						
Hexachlorobutadiene	100	0.2740789	150	0.2915865	200	0.2992581						
2-Hexanone	200	0.3036676	300	0.3194549	400	0.319048						
Iodomethane	100	0.4255338	150	0.4554914	200	0.4369761						
Isopropylbenzene	100	3.021723	150	3.200467	200	3.217561						
p-Isopropyltoluene	100	2.007828	150	2.153997	200	2.146165						
Methylene chloride	100	0.2471329	150	0.2550323	200	0.2474226						
Methyl Acetate	100	0.1277585	150	0.1305362	200	0.1287014						
Methylcyclohexane	100	0.2744556	150	0.3055083	200	0.3063192						
Naphthalene	100	2.255856	150	2.42955	200	2.461145						
Methyl Methacrylate	100	0.1909725	150	0.2049087	200	0.1923744						
4-Methyl-2-pentanone	200	0.1877939	300	0.1966805	400	0.1889982						
Methyl t-Butyl Ether	100	0.6141833	150	0.6673397	200	0.6373129						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	2.317239	150	2.504254	200	2.543627						
Styrene	100	2.381162	150	2.482839	200	2.522128						
1,1,2,2-Tetrachloroethane	100	0.5024429	150	0.5387855	200	0.5413205						
1,1,1,2-Tetrachloroethane	100	0.9094989	150	0.9582386	200	0.9513637						
tert-Butyl alcohol	500	1.366716E-02	750	1.446934E-02	1000	1.474229E-02						
Tetrachloroethene	100	0.8727797	150	0.931938	200	0.9387236						
Toluene	100	1.588956	150	1.67961	200	1.70926						
1,2,3-Trichlorobenzene	100	0.7932206	150	0.8385999	200	0.846346						
1,2,4-Trichlorobenzene	100	0.8533364	150	0.9092336	200	0.9142508						
1,1,2-Trichloroethane	100	0.4618129	150	0.4745051	200	0.4849631						
1,1,1-Trichloroethane	100	0.4638609	150	0.4973436	200	0.4703412						
Tetrahydrofuran	100	2.350183E-02	150	2.570679E-02	200	0.0256481						
Trichloroethene	100	0.2867405	150	0.3094295	200	0.296094						
Trichlorofluoromethane	100	0.4276914	150	0.4499825	200	0.4380518						
1,2,3-Trichloropropane	100	0.3040515	150	0.3164269	200	0.3087402						
1,3,5-Trimethylbenzene	100	1.88059	150	1.965238	200	2.031861						
1,2,4-Trimethylbenzene	100	1.97451	150	2.075283	200	2.120183						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2272888	150	0.2437857	200	0.2406732						
Vinyl chloride	100	0.2112459	150	0.224359	200	0.2107088						
m,p-Xylene	200	2.512507	300	2.611275	400	2.626766						
o-Xylene	100	2.581849	150	2.717943	200	2.713176						
Vinyl acetate	199.2	0.4377953	298.9	0.4639062	398.5	0.4400004						
Xylenes (total)	300	2.535621	450	2.646831	600	2.655569						
Dibromofluoromethane	30	0.2873976	30	0.297783	30	0.2870823						
1,2-Dichloroethane-d4	30	7.127202E-02	30	6.918436E-02	30	6.858859E-02						
Toluene-d8	30	2.362588	30	2.37198	30	2.453073						
tert-Amyl alcohol	500	9.196477E-03	750	1.079645E-02	1000	1.076468E-02						
tert-Amyl ethyl ether	100	0.5223287	150	0.5618969	200	0.5457975						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2213002	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	7/30/12 9:48 7/30/12 13:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	6.127911E-02	16.92363	3.489556	0.2769129		0.9983323	0.99	
Acrolein	3.059046E-02	9.042267	3.376333	7.786118E-02			15	
Acrylonitrile	6.569715E-02	7.095252	4.357333	0.1704013			15	
Benzene	0.9439093	6.370831	7.5	2.781251E-02			15	
Bromobenzene	0.7349524	5.636576	12.27633	1.968109E-02			15	
Bromochloromethane	0.1828541	7.498248	6.580333	5.424699E-02			15	
Tert-Amyl Methyl Ether	0.6162765	12.93296	7.694666	0.0240391			15	
Bromodichloromethane	0.4300389	4.102128	8.496333	2.508591E-02			15	
Bromoform	0.6947025	8.261521	11.67967	1.393066E-02			SPCC (0.1)	
Bromomethane	0.1767748	11.14876	2.549625	0.1425364			15	
Bromofluorobenzene	1.013563	2.299563	12.11633	2.469625E-02			15	
n-Butylbenzene	1.341081	11.53189	13.71633	1.319746E-02			15	
2-Butanone	7.898584E-02	10.20907	6.031	0.1725912			15	
sec-Butylbenzene	1.938318	13.35342	13.16967	1.150339E-02			15	
tert-Butylbenzene	1.716248	12.97525	12.938	2.081815E-02			15	
Carbon disulfide	0.6093037	4.150462	4.533667	7.199769E-02			15	
Carbon tetrachloride	0.484154	4.30031	7.468333	2.016041E-02			15	
Chlorobenzene	2.105777	6.341832	10.949	1.081874E-02			SPCC (0.3)	
Chloroethane	0.1372338	4.005678	2.682333	9.791205E-02			15	
Chloroform	0.5183192	4.836199	6.555	4.631319E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1370578	13.8323	8.861334	1.149182E-02			15	
Chloromethane	0.2232586	5.632496	1.957	1.354336E-02			SPCC (0.1)	
1-Chlorohexane	0.8363237	6.728935	10.91744	1.891962E-02			15	
2-Chlorotoluene	1.478503	7.480181	12.5	0			15	
4-Chlorotoluene	1.728237	7.872081	12.561	7.068191E-03			15	
Cyclohexane	0.2895896	6.561665	7.401333	2.945346E-02			15	
Dibromochloromethane	0.96157	6.556881	10.178	3.269395E-02			15	
1,2-Dibromo-3-chloropropane	0.165218	11.82885	14.32125	1.750125E-02			15	
1,2-Dibromoethane (EDB)	0.7261361	4.973904	10.395	1.877545E-02			15	
Dibromomethane	0.187154	6.960802	8.433333	0.0332705			15	
1,2-Dichlorobenzene	1.306003	7.460591	13.674	8.933889E-03			15	
1,3-Dichlorobenzene	1.348763	6.977902	13.26078	8.708723E-03			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_060	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2213002		Instrument:	MS-VOA3	
Matrix:	Water		Calibration Dates:	7/30/12 9:48	7/30/12 13:37

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.414025	5.293393	13.352	7.502474E-03			15	
Dichlorodifluoromethane	0.2646311	10.62008	1.750222	2.540826E-02			15	
1,1-Dichloroethane	0.4219782	5.521849	5.567667	5.428684E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3881483	5.21031	7.329	4.188113E-03			15	
1,1-Dichloroethene	0.2299039	5.551603	3.971667	9.159627E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2923164	5.638785	6.294333	3.025872E-02			15	
trans-1,2-Dichloroethene	0.2706481	3.555312	5.181111	4.764946E-02			15	
1,2-Dichloroethene (total)	0.2814822	4.437246	6.294333	3.025872E-02			15	
1,2-Dichloropropane	0.2208834	7.812962	8.319667	3.633876E-02			CCC (20)	
1,3-Dichloropropane	0.9533089	5.639417	9.920222	2.212023E-02			15	
2,2-Dichloropropane	0.380659	4.60598	6.404111	2.180096E-02			15	
1,1-Dichloropropene	0.3461839	7.954365	7.347778	0.0317453			15	
cis-1,3-Dichloropropene	0.4014071	10.04126	9.075	5.230454E-03			15	
trans-1,3-Dichloropropene	0.9928947	10.02535	9.550556	2.770872E-02			15	
Diisopropyl Ether	0.656586	8.940648	5.949333	4.557293E-02			15	
Ethylbenzene	2.993416	9.387991	11.101	1.748548E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6614789	10.04625	6.425	6.832556E-02			15	
Ethyl Methacrylate	0.6451489	14.54432	9.743334	1.069978E-02			15	
Hexachlorobutadiene	0.2768995	5.50911	15.688	1.776325E-02			15	
2-Hexanone	0.2794217	13.03604	9.856	0.0333086			15	
Iodomethane	0.3462486	31.03425	4.1735	7.085955E-02	0.9990374		0.995	
Isopropylbenzene	2.843894	11.40757	12.001	0.0227546			15	
p-Isopropyltoluene	1.937734	9.773661	13.309	1.723665E-02			15	
Methylene chloride	0.2732269	13.23693	4.4805	6.443989E-02			15	
Methyl Acetate	0.1184226	13.48682	4.342667	0.1609046			15	
Methylcyclohexane	0.2857842	10.79483	8.649	0.0189802			15	
Naphthalene	1.980321	19.25825	15.56	1.343556E-02		0.9997546	0.99	
Methyl Methacrylate	0.1770339	11.08417	8.454	2.482942E-02			15	
4-Methyl-2-pentanone	0.1703177	12.6742	9.002667	0.0546286			15	
Methyl t-Butyl Ether	0.6006161	6.704845	5.172778	6.088712E-02			15	
n-Propylbenzene	2.246051	9.964759	12.415	0.022024			15	
Styrene	2.183883	14.04007	11.57456	2.092247E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2213002	Instrument:	MS-VOA3		
Matrix:	Water	Calibration Dates:	7/30/12 9:48	7/30/12 13:37	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.4961926	8.131299	11.92733	3.235038E-04			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.898878	7.003265	10.99178	2.130655E-02			15	
tert-Butyl alcohol	1.295405E-02	11.35649	4.120429	0.1656188			15	
Tetrachloroethene	0.888101	4.753778	10.29267	2.470326E-02			15	
Toluene	1.582424	6.084639	9.554555	3.006621E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.7234561	12.34467	15.84733	8.158592E-03			15	
1,2,4-Trichlorobenzene	0.7784328	14.42566	15.40733	1.305204E-02			15	
1,1,2-Trichloroethane	0.4518993	5.575963	9.708	1.627961E-02			15	
1,1,1-Trichloroethane	0.4808123	3.852205	7.122667	3.367217E-02			15	
Tetrahydrofuran	2.143596E-02	21.31035	6.771714	0.1294004	0.9985781		0.995	
Trichloroethene	0.2875668	6.508933	8.270667	2.727798E-02			15	
Trichlorofluoromethane	0.448402	5.002987	3.184	0.1325704			15	
1,2,3-Trichloropropane	0.2946555	13.58789	12.05467	2.887739E-02			15	
1,3,5-Trimethylbenzene	1.776362	11.33083	12.59111	0.0191309			15	
1,2,4-Trimethylbenzene	1.893477	9.525768	12.96878	1.605514E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2397551	8.27233	4.056	7.263164E-02			15	
Vinyl chloride	0.2136571	8.692742	2.111111	0.1383994			CCC (20)	
m,p-Xylene	2.381184	10.73742	11.21011	2.506495E-03			15	
o-Xylene	2.487692	9.010655	11.60533	1.667237E-02			15	
Vinyl acetate	0.4024672	13.05969	5.64475	3.612669E-02			15	
Xylenes (total)	2.416686	9.981037	11.60533	1.667237E-02			15	
Dibromofluoromethane	0.3010273	3.051016	6.729	4.596158E-02			15	
1,2-Dichloroethane-d4	7.164132E-02	3.519973	7.236667	3.348431E-02			15	
Toluene-d8	2.401311	2.156175	9.476778	1.932701E-02			15	
tert-Amyl alcohol	8.853803E-03	17.78507	6.931429	4.807711E-02	0.9950466		0.995	
tert-Amyl ethyl ether	0.4964199	9.599005	8.588889	2.096708E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQICV2.D	Calibration Date:	07/30/12 09:48
Sequence:	2G21301	Injection Date:	07/30/12
Lab Sample ID:	2G21301-ICV2	Injection Time:	15:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	Q	200.0	183.7	6.127911E-02	5.039898E-02		-8.2	20
Benzene	A	100.0	98.12	0.9439093	0.9261312		-1.9	20
Bromobenzene	A	100.0	99.75	0.7349524	0.7331288		-0.2	20
Bromochloromethane	A	100.0	95.84	0.1828541	0.1752508		-4.2	20
Bromodichloromethane	A	100.0	88.61	0.4300389	0.3810484		-11.4	20
Bromoform	A	100.0	100.1	0.6947025	0.6956394	0.1	0.1	20
Bromomethane	A	100.0	91.96	0.1767748	0.162559		-8.0	20
n-Butylbenzene	A	100.0	102.8	1.341081	1.378312		2.8	20
2-Butanone	A	200.0	207.8	7.898584E-02	8.208541E-02		3.9	20
sec-Butylbenzene	A	100.0	102.3	1.938318	1.983453		2.3	20
tert-Butylbenzene	A	100.0	102.2	1.716248	1.754041		2.2	20
Carbon disulfide	A	100.0	85.74	0.6093037	0.5224242		-14.3	20
Carbon tetrachloride	A	100.0	91.42	0.484154	0.4426293		-8.6	20
Chlorobenzene	A	100.0	96.64	2.105777	2.034926	0.3	-3.4	20
Chloroethane	A	100.0	98.85	0.1372338	0.135659		-1.1	20
Chloroform	A	100.0	88.60	0.5183192	0.4592401		-11.4	20
Chloromethane	A	100.0	84.03	0.2232586	0.1876022	0.1	-16.0	20
2-Chlorotoluene	A	100.0	98.52	1.478503	1.456692		-1.5	20
4-Chlorotoluene	A	100.0	96.97	1.728237	1.675835		-3.0	20
Dibromochloromethane	A	100.0	96.45	0.96157	0.9274602		-3.5	20
1,2-Dibromo-3-chloropropane	A	100.0	99.47	0.165218	0.1643396		-0.5	20
1,2-Dibromoethane (EDB)	A	100.0	98.03	0.7261361	0.7118423		-2.0	20
Dibromomethane	A	100.0	89.54	0.187154	0.1675726		-10.5	20
1,2-Dichlorobenzene	A	100.0	98.65	1.306003	1.288358		-1.4	20
1,3-Dichlorobenzene	A	100.0	96.97	1.348763	1.307847		-3.0	20
1,4-Dichlorobenzene	A	100.0	97.31	1.414025	1.376001		-2.7	20
Dichlorodifluoromethane	A	100.0	90.15	0.2646311	0.2385575		-9.9	20
1,1-Dichloroethane	A	100.0	91.90	0.4219782	0.3877804	0.1	-8.1	20
1,2-Dichloroethane	A	100.0	91.49	0.3881483	0.3551092		-8.5	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQICV2.D	Calibration Date:	07/30/12 09:48
Sequence:	2G21301	Injection Date:	07/30/12
Lab Sample ID:	2G21301-ICV2	Injection Time:	15:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	90.10	0.2299039	0.2071465		-9.9	20
cis-1,2-Dichloroethene	A	100.0	96.15	0.2923164	0.2810583		-3.9	20
trans-1,2-Dichloroethene	A	100.0	95.30	0.2706481	0.2579408		-4.7	20
1,2-Dichloropropane	A	100.0	100.7	0.2208834	0.2225275		0.7	20
1,3-Dichloropropane	A	100.0	101.6	0.9533089	0.9689208		1.6	20
2,2-Dichloropropane	A	100.0	87.96	0.380659	0.3348087		-12.0	20
1,1-Dichloropropene	A	100.0	96.64	0.3461839	0.3345491		-3.4	20
cis-1,3-Dichloropropene	A	100.0	101.6	0.4014071	0.4077756		1.6	20
trans-1,3-Dichloropropene	A	100.0	92.23	0.9928947	0.9157918		-7.8	20
Ethylbenzene	A	100.0	103.2	2.993416	3.090646		3.2	20
Hexachlorobutadiene	A	100.0	93.41	0.2768995	0.2586445		-6.6	20
2-Hexanone	A	200.0	215.6	0.2794217	0.3012799		7.8	20
Isopropylbenzene	A	100.0	98.25	2.843894	2.794159		-1.7	20
p-Isopropyltoluene	A	100.0	94.76	1.937734	1.836263		-5.2	20
Methylene chloride	A	100.0	85.85	0.2732269	0.2345743		-14.1	20
Naphthalene	Q	100.0	92.84	1.980321	2.1244		-7.2	20
4-Methyl-2-pentanone	A	200.0	210.9	0.1703177	0.1796329		5.5	20
Methyl t-Butyl Ether	A	100.0	97.87	0.6006161	0.5877969		-2.1	20
n-Propylbenzene	A	100.0	98.78	2.246051	2.218608		-1.2	20
Styrene	A	100.0	104.4	2.183883	2.278802		4.3	20
1,1,2,2-Tetrachloroethane	A	100.0	98.11	0.4961926	0.4868005	0.3	-1.9	20
1,1,1,2-Tetrachloroethane	A	100.0	97.08	0.898878	0.8726047		-2.9	20
Tetrachloroethene	A	100.0	98.09	0.888101	0.8711469		-1.9	20
Toluene	A	100.0	100.3	1.582424	1.587772		0.3	20
1,2,3-Trichlorobenzene	A	100.0	104.0	0.7234561	0.7525423		4.0	20
1,2,4-Trichlorobenzene	A	100.0	104.5	0.7784328	0.8132379		4.5	20
1,1,2-Trichloroethane	A	100.0	101.9	0.4518993	0.4606312		1.9	20
1,1,1-Trichloroethane	A	100.0	94.05	0.4808123	0.4521803		-6.0	20
Trichloroethene	A	100.0	97.40	0.2875668	0.2800962		-2.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQICV2.D	Calibration Date:	07/30/12 09:48
Sequence:	2G21301	Injection Date:	07/30/12
Lab Sample ID:	2G21301-ICV2	Injection Time:	15:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	92.42	0.448402	0.4144215		-7.6	20
1,2,3-Trichloropropane	A	100.0	98.17	0.2946555	0.2892708		-1.8	20
1,3,5-Trimethylbenzene	A	100.0	106.0	1.776362	1.882185		6.0	20
1,2,4-Trimethylbenzene	A	100.0	100.3	1.893477	1.899645		0.3	20
Vinyl chloride	A	100.0	103.4	0.2136571	0.2210024		3.4	20
Xylenes (total)	A	300.0	307.1	2.416686	2.474198		2.4	20
Bromofluorobenzene	A	30.00	30.06	1.013563	1.015605		0.2	20
Dibromofluoromethane	A	30.00	28.49	0.3010273	0.2858489		-5.0	20
1,2-Dichloroethane-d4	A	30.00	28.50	7.164132E-02	6.806127E-02		-5.0	20
Toluene-d8	A	30.00	30.27	2.401311	2.422749		0.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22302	Injection Date:	08/09/12
Lab Sample ID:	2H22302-CCV1	Injection Time:	11:23

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	222.1	6.127911E-02	6.046084E-02		11.0	20
Benzene	A	100.0	106.8	0.9439093	1.008082		6.8	20
Bromobenzene	A	100.0	107.1	0.7349524	0.7873377		7.1	20
Bromochloromethane	A	100.0	102.4	0.1828541	0.187327		2.4	20
Bromodichloromethane	A	100.0	106.1	0.4300389	0.4561593		6.1	20
Bromoform	A	100.0	103.6	0.6947025	0.7200145	0.1	3.6	20
Bromomethane	A	100.0	93.73	0.1767748	0.165684		-6.3	20
n-Butylbenzene	A	100.0	111.2	1.341081	1.490999		11.2	20
2-Butanone	A	200.0	247.9	7.898584E-02	9.790324E-02		24.0	20 *
sec-Butylbenzene	A	100.0	113.6	1.938318	2.201009		13.6	20
tert-Butylbenzene	A	100.0	111.4	1.716248	1.911836		11.4	20
Carbon disulfide	A	100.0	106.2	0.6093037	0.6472197		6.2	20
Carbon tetrachloride	A	100.0	100.9	0.484154	0.4886948		0.9	20
Chlorobenzene	A	100.0	103.0	2.105777	2.169603	0.3	3.0	20
Chloroethane	A	100.0	99.95	0.1372338	0.137162		-0.05	20
Chloroform	A	100.0	100.3	0.5183192	0.5198354		0.3	20
Chloromethane	A	100.0	96.94	0.2232586	0.2164245	0.1	-3.1	20
2-Chlorotoluene	A	100.0	110.0	1.478503	1.62628		10.0	20
4-Chlorotoluene	A	100.0	108.6	1.728237	1.876982		8.6	20
Dibromochloromethane	A	100.0	99.76	0.96157	0.9592924		-0.2	20
1,2-Dibromo-3-chloropropane	A	100.0	110.1	0.165218	0.1818558		10.1	20
1,2-Dibromoethane (EDB)	A	100.0	101.0	0.7261361	0.733712		1.0	20
Dibromomethane	A	100.0	103.3	0.187154	0.1932788		3.3	20
1,2-Dichlorobenzene	A	100.0	108.7	1.306003	1.420123		8.7	20
1,3-Dichlorobenzene	A	100.0	106.0	1.348763	1.429108		6.0	20
1,4-Dichlorobenzene	A	100.0	104.8	1.414025	1.481658		4.8	20
Dichlorodifluoromethane	A	100.0	84.60	0.2646311	0.2238753		-15.4	20
1,1-Dichloroethane	A	100.0	100.6	0.4219782	0.4247038	0.1	0.6	20
1,2-Dichloroethane	A	100.0	106.6	0.3881483	0.4135577		6.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22302	Injection Date:	08/09/12
Lab Sample ID:	2H22302-CCV1	Injection Time:	11:23

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Dichloroethene	A	100.0	102.1	0.2299039	0.2346858		2.1	20	
cis-1,2-Dichloroethene	A	100.0	103.0	0.2923164	0.3010807		3.0	20	
trans-1,2-Dichloroethene	A	100.0	102.0	0.2706481	0.2761907		2.0	20	
1,2-Dichloropropane	A	100.0	108.6	0.2208834	0.2397654		8.5	20	
1,3-Dichloropropane	A	100.0	102.4	0.9533089	0.9761337		2.4	20	
2,2-Dichloropropane	A	100.0	113.4	0.380659	0.4315319		13.4	20	
1,1-Dichloropropene	A	100.0	108.2	0.3461839	0.3745929		8.2	20	
cis-1,3-Dichloropropene	A	100.0	110.2	0.4014071	0.4424709		10.2	20	
trans-1,3-Dichloropropene	A	100.0	106.9	0.9928947	1.061187		6.9	20	
Ethylbenzene	A	100.0	110.2	2.993416	3.300247		10.3	20	
Hexachlorobutadiene	A	100.0	108.4	0.2768995	0.3000414		8.4	20	
2-Hexanone	A	200.0	250.9	0.2794217	0.3504822		25.4	20	*
Isopropylbenzene	A	100.0	113.3	2.843894	3.220947		13.3	20	
p-Isopropyltoluene	A	100.0	108.2	1.937734	2.096917		8.2	20	
Methylene chloride	A	100.0	89.94	0.2732269	0.2457519		-10.1	20	
Naphthalene	Q	100.0	102.0	1.980321	2.350798		2.0	20	
4-Methyl-2-pentanone	A	200.0	263.9	0.1703177	0.2247528		32.0	20	*
Methyl t-Butyl Ether	A	100.0	104.7	0.6006161	0.6289946		4.7	20	
n-Propylbenzene	A	100.0	113.3	2.246051	2.544522		13.3	20	
Styrene	A	100.0	110.0	2.183883	2.402594		10.0	20	
1,1,2,2-Tetrachloroethane	A	100.0	105.1	0.4961926	0.5213186	0.3	5.1	20	
1,1,1,2-Tetrachloroethane	A	100.0	101.6	0.898878	0.9130777		1.6	20	
Tetrachloroethene	A	100.0	105.0	0.888101	0.9325389		5.0	20	
Toluene	A	100.0	104.0	1.582424	1.646108		4.0	20	
1,2,3-Trichlorobenzene	A	100.0	111.4	0.7234561	0.8056437		11.4	20	
1,2,4-Trichlorobenzene	A	100.0	115.2	0.7784328	0.8964855		15.2	20	
1,1,2-Trichloroethane	A	100.0	101.0	0.4518993	0.4566123		1.0	20	
1,1,1-Trichloroethane	A	100.0	107.6	0.4808123	0.5175934		7.6	20	
Trichloroethene	A	100.0	110.4	0.2875668	0.3174377		10.4	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22302	Injection Date:	08/09/12
Lab Sample ID:	2H22302-CCV1	Injection Time:	11:23

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.2	0.448402	0.4584103		2.2	20
1,2,3-Trichloropropane	A	100.0	108.2	0.2946555	0.3187023		8.2	20
1,3,5-Trimethylbenzene	A	100.0	111.2	1.776362	1.974922		11.2	20
1,2,4-Trimethylbenzene	A	100.0	107.6	1.893477	2.038234		7.6	20
Vinyl chloride	A	100.0	96.42	0.2136571	0.2060095		-3.6	20
Xylenes (total)	A	300.0	325.1	2.416686	2.618414		8.3	20
Bromofluorobenzene	A	30.00	31.03	1.013563	1.048348		3.4	20
Dibromofluoromethane	A	30.00	29.47	0.3010273	0.2957071		-1.8	20
1,2-Dichloroethane-d4	A	30.00	28.88	7.164132E-02	6.897215E-02		-3.7	20
Toluene-d8	A	30.00	29.08	2.401311	2.327759		-3.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22601	Injection Date:	08/10/12
Lab Sample ID:	2H22601-CCV1	Injection Time:	08:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	218.2	6.127911E-02	5.944477E-02		9.1	20
Benzene	A	100.0	107.9	0.9439093	1.01809		7.9	20
Bromobenzene	A	100.0	104.8	0.7349524	0.7701739		4.8	20
Bromochloromethane	A	100.0	100.8	0.1828541	0.1842518		0.8	20
Bromodichloromethane	A	100.0	103.8	0.4300389	0.4462113		3.8	20
Bromoform	A	100.0	102.0	0.6947025	0.708536	0.1	2.0	20
Bromomethane	A	100.0	95.00	0.1767748	0.1679447		-5.0	20
n-Butylbenzene	A	100.0	109.5	1.341081	1.46889		9.5	20
2-Butanone	A	200.0	244.9	7.898584E-02	9.670243E-02		22.4	20 *
sec-Butylbenzene	A	100.0	111.7	1.938318	2.165786		11.7	20
tert-Butylbenzene	A	100.0	109.6	1.716248	1.881425		9.6	20
Carbon disulfide	A	100.0	108.5	0.6093037	0.6611521		8.5	20
Carbon tetrachloride	A	100.0	96.91	0.484154	0.4692174		-3.1	20
Chlorobenzene	A	100.0	100.1	2.105777	2.108726	0.3	0.1	20
Chloroethane	A	100.0	98.38	0.1372338	0.1350098		-1.6	20
Chloroform	A	100.0	98.78	0.5183192	0.5119749		-1.2	20
Chloromethane	A	100.0	99.03	0.2232586	0.2210989	0.1	-1.0	20
2-Chlorotoluene	A	100.0	105.7	1.478503	1.562985		5.7	20
4-Chlorotoluene	A	100.0	104.7	1.728237	1.809975		4.7	20
Dibromochloromethane	A	100.0	97.55	0.96157	0.9380435		-2.4	20
1,2-Dibromo-3-chloropropane	A	100.0	108.4	0.165218	0.1790232		8.4	20
1,2-Dibromoethane (EDB)	A	100.0	100.6	0.7261361	0.7307962		0.6	20
Dibromomethane	A	100.0	102.8	0.187154	0.1923757		2.8	20
1,2-Dichlorobenzene	A	100.0	104.4	1.306003	1.363646		4.4	20
1,3-Dichlorobenzene	A	100.0	105.4	1.348763	1.421446		5.4	20
1,4-Dichlorobenzene	A	100.0	101.6	1.414025	1.437403		1.7	20
Dichlorodifluoromethane	A	100.0	85.27	0.2646311	0.2256503		-14.7	20
1,1-Dichloroethane	A	100.0	101.6	0.4219782	0.4287639	0.1	1.6	20
1,2-Dichloroethane	A	100.0	105.0	0.3881483	0.4077376		5.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22601	Injection Date:	08/10/12
Lab Sample ID:	2H22601-CCV1	Injection Time:	08:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	103.1	0.2299039	0.2371059		3.1	20
cis-1,2-Dichloroethene	A	100.0	102.1	0.2923164	0.298447		2.1	20
trans-1,2-Dichloroethene	A	100.0	103.8	0.2706481	0.2808304		3.8	20
1,2-Dichloropropane	A	100.0	109.2	0.2208834	0.2412701		9.2	20
1,3-Dichloropropane	A	100.0	99.44	0.9533089	0.9479269		-0.6	20
2,2-Dichloropropane	A	100.0	111.3	0.380659	0.423586		11.3	20
1,1-Dichloropropene	A	100.0	108.6	0.3461839	0.3759267		8.6	20
cis-1,3-Dichloropropene	A	100.0	113.8	0.4014071	0.4566703		13.8	20
trans-1,3-Dichloropropene	A	100.0	104.9	0.9928947	1.041899		4.9	20
Ethylbenzene	A	100.0	107.5	2.993416	3.218788		7.5	20
Hexachlorobutadiene	A	100.0	107.0	0.2768995	0.296394		7.0	20
2-Hexanone	A	200.0	242.8	0.2794217	0.3391458		21.4	20 *
Isopropylbenzene	A	100.0	110.9	2.843894	3.15337		10.9	20
p-Isopropyltoluene	A	100.0	106.3	1.937734	2.059874		6.3	20
Methylene chloride	A	100.0	92.48	0.2732269	0.2526826		-7.5	20
Naphthalene	Q	100.0	95.20	1.980321	2.18257		-4.8	20
4-Methyl-2-pentanone	A	200.0	261.3	0.1703177	0.2224884		30.6	20 *
Methyl t-Butyl Ether	A	100.0	103.4	0.6006161	0.620746		3.4	20
n-Propylbenzene	A	100.0	109.7	2.246051	2.463774		9.7	20
Styrene	A	100.0	108.3	2.183883	2.364195		8.3	20
1,1,2,2-Tetrachloroethane	A	100.0	103.7	0.4961926	0.5147078	0.3	3.7	20
1,1,1,2-Tetrachloroethane	A	100.0	99.08	0.898878	0.8905686		-0.9	20
Tetrachloroethene	A	100.0	103.7	0.888101	0.92085		3.7	20
Toluene	A	100.0	103.3	1.582424	1.634504		3.3	20
1,2,3-Trichlorobenzene	A	100.0	111.2	0.7234561	0.8045824		11.2	20
1,2,4-Trichlorobenzene	A	100.0	113.4	0.7784328	0.8826078		13.4	20
1,1,2-Trichloroethane	A	100.0	101.3	0.4518993	0.4578392		1.3	20
1,1,1-Trichloroethane	A	100.0	106.3	0.4808123	0.5113032		6.3	20
Trichloroethene	A	100.0	108.8	0.2875668	0.3129046		8.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22601	Injection Date:	08/10/12
Lab Sample ID:	2H22601-CCV1	Injection Time:	08:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.0	0.448402	0.4575034		2.0	20
1,2,3-Trichloropropane	A	100.0	102.4	0.2946555	0.3018128		2.4	20
1,3,5-Trimethylbenzene	A	100.0	107.8	1.776362	1.915665		7.8	20
1,2,4-Trimethylbenzene	A	100.0	105.9	1.893477	2.005577		5.9	20
Vinyl chloride	A	100.0	96.16	0.2136571	0.2054522		-3.8	20
Xylenes (total)	A	300.0	320.3	2.416686	2.5802		6.8	20
Bromofluorobenzene	A	30.00	30.41	1.013563	1.027535		1.4	20
Dibromofluoromethane	A	30.00	29.06	0.3010273	0.291619		-3.1	20
1,2-Dichloroethane-d4	A	30.00	29.46	7.164132E-02	7.034474E-02		-1.8	20
Toluene-d8	A	30.00	28.58	2.401311	2.287849		-4.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22905	Injection Date:	08/15/12
Lab Sample ID:	2H22905-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	193.0	6.127911E-02	5.285793E-02		-3.5	20
Benzene	A	100.0	103.4	0.9439093	0.975944		3.4	20
Bromobenzene	A	100.0	100.4	0.7349524	0.737512		0.3	20
Bromochloromethane	A	100.0	102.6	0.1828541	0.1875895		2.6	20
Bromodichloromethane	A	100.0	107.3	0.4300389	0.4614033		7.3	20
Bromoform	A	100.0	99.51	0.6947025	0.6913296	0.1	-0.5	20
Bromomethane	A	100.0	103.7	0.1767748	0.183342		3.7	20
n-Butylbenzene	A	100.0	103.0	1.341081	1.380634		2.9	20
2-Butanone	A	200.0	218.7	7.898584E-02	8.635549E-02		9.3	20
sec-Butylbenzene	A	100.0	103.2	1.938318	2.000386		3.2	20
tert-Butylbenzene	A	100.0	102.2	1.716248	1.754582		2.2	20
Carbon disulfide	A	100.0	104.2	0.6093037	0.635105		4.2	20
Carbon tetrachloride	A	100.0	95.86	0.484154	0.4641136		-4.1	20
Chlorobenzene	A	100.0	99.13	2.105777	2.087483	0.3	-0.9	20
Chloroethane	A	100.0	100.3	0.1372338	0.1376803		0.3	20
Chloroform	A	100.0	101.3	0.5183192	0.5252703		1.3	20
Chloromethane	A	100.0	102.3	0.2232586	0.2283727	0.1	2.3	20
2-Chlorotoluene	A	100.0	99.48	1.478503	1.470873		-0.5	20
4-Chlorotoluene	A	100.0	99.80	1.728237	1.724849		-0.2	20
Dibromochloromethane	A	100.0	96.76	0.96157	0.9304107		-3.2	20
1,2-Dibromo-3-chloropropane	A	100.0	95.57	0.165218	0.1578986		-4.4	20
1,2-Dibromoethane (EDB)	A	100.0	96.13	0.7261361	0.6980548		-3.9	20
Dibromomethane	A	100.0	102.7	0.187154	0.1922137		2.7	20
1,2-Dichlorobenzene	A	100.0	101.1	1.306003	1.31998		1.1	20
1,3-Dichlorobenzene	A	100.0	100.8	1.348763	1.3601		0.8	20
1,4-Dichlorobenzene	A	100.0	98.29	1.414025	1.389903		-1.7	20
Dichlorodifluoromethane	A	100.0	111.7	0.2646311	0.2956326		11.7	20
1,1-Dichloroethane	A	100.0	99.55	0.4219782	0.4200833	0.1	-0.4	20
1,2-Dichloroethane	A	100.0	109.1	0.3881483	0.4234173		9.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22905	Injection Date:	08/15/12
Lab Sample ID:	2H22905-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	94.97	0.2299039	0.2183352		-5.0	20
cis-1,2-Dichloroethene	A	100.0	102.0	0.2923164	0.2981789		2.0	20
trans-1,2-Dichloroethene	A	100.0	99.94	0.2706481	0.270479		-0.06	20
1,2-Dichloropropane	A	100.0	107.1	0.2208834	0.2364699		7.1	20
1,3-Dichloropropane	A	100.0	97.30	0.9533089	0.927616		-2.7	20
2,2-Dichloropropane	A	100.0	115.5	0.380659	0.4398154		15.5	20
1,1-Dichloropropene	A	100.0	105.5	0.3461839	0.3652233		5.5	20
cis-1,3-Dichloropropene	A	100.0	112.4	0.4014071	0.4513438		12.4	20
trans-1,3-Dichloropropene	A	100.0	104.5	0.9928947	1.037233		4.5	20
Ethylbenzene	A	100.0	102.5	2.993416	3.067367		2.5	20
Hexachlorobutadiene	A	100.0	99.81	0.2768995	0.2763803		-0.2	20
2-Hexanone	A	200.0	213.0	0.2794217	0.2975744		6.5	20
Isopropylbenzene	A	100.0	104.6	2.843894	2.975145		4.6	20
p-Isopropyltoluene	A	100.0	100.2	1.937734	1.94116		0.2	20
Methylene chloride	A	100.0	91.57	0.2732269	0.2501849		-8.4	20
Naphthalene	Q	100.0	89.86	1.980321	2.051459		-10.1	20
4-Methyl-2-pentanone	A	200.0	231.0	0.1703177	0.1967161		15.5	20
Methyl t-Butyl Ether	A	100.0	105.4	0.6006161	0.6333486		5.4	20
n-Propylbenzene	A	100.0	99.69	2.246051	2.239099		-0.3	20
Styrene	A	100.0	105.7	2.183883	2.309156		5.7	20
1,1,2,2-Tetrachloroethane	A	100.0	86.23	0.4961926	0.4278636	0.3	-13.8	20
1,1,1,2-Tetrachloroethane	A	100.0	100.2	0.898878	0.9004813		0.2	20
Tetrachloroethene	A	100.0	98.08	0.888101	0.8710578		-1.9	20
Toluene	A	100.0	98.65	1.582424	1.56106		-1.4	20
1,2,3-Trichlorobenzene	A	100.0	100.6	0.7234561	0.7276032		0.6	20
1,2,4-Trichlorobenzene	A	100.0	104.2	0.7784328	0.810766		4.2	20
1,1,2-Trichloroethane	A	100.0	94.68	0.4518993	0.427876		-5.3	20
1,1,1-Trichloroethane	A	100.0	107.5	0.4808123	0.5167083		7.5	20
Trichloroethene	A	100.0	110.8	0.2875668	0.3185083		10.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H22905	Injection Date:	08/15/12
Lab Sample ID:	2H22905-CCV1	Injection Time:	07:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	106.8	0.448402	0.478865		6.8	20
1,2,3-Trichloropropane	A	100.0	99.76	0.2946555	0.2939463		-0.2	20
1,3,5-Trimethylbenzene	A	100.0	99.98	1.776362	1.776036		-0.02	20
1,2,4-Trimethylbenzene	A	100.0	100.4	1.893477	1.900152		0.4	20
Vinyl chloride	A	100.0	103.8	0.2136571	0.221681		3.8	20
Xylenes (total)	A	300.0	308.1	2.416686	2.48152		2.7	20
Bromofluorobenzene	A	30.00	31.34	1.013563	1.05884		4.5	20
Dibromofluoromethane	A	30.00	30.08	0.3010273	0.3017981		0.3	20
1,2-Dichloroethane-d4	A	30.00	27.94	7.164132E-02	6.672273E-02		-6.9	20
Toluene-d8	A	30.00	27.99	2.401311	2.240816		-6.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H23310	Injection Date:	08/17/12
Lab Sample ID:	2H23310-CCV1	Injection Time:	11:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	191.6	6.127911E-02	0.0525002		-4.2	20
Benzene	A	100.0	100.8	0.9439093	0.9515487		0.8	20
Bromobenzene	A	100.0	98.01	0.7349524	0.7203099		-2.0	20
Bromochloromethane	A	100.0	97.12	0.1828541	0.1775863		-2.9	20
Bromodichloromethane	A	100.0	99.97	0.4300389	0.4298993		-0.03	20
Bromoform	A	100.0	96.39	0.6947025	0.6696302	0.1	-3.6	20
Bromomethane	A	100.0	135.2	0.1767748	0.2389828		35.2	20 *
n-Butylbenzene	A	100.0	103.5	1.341081	1.38797		3.5	20
2-Butanone	A	200.0	229.1	7.898584E-02	9.049593E-02		14.6	20
sec-Butylbenzene	A	100.0	104.2	1.938318	2.020116		4.2	20
tert-Butylbenzene	A	100.0	102.0	1.716248	1.751063		2.0	20
Carbon disulfide	A	100.0	105.5	0.6093037	0.6429682		5.5	20
Carbon tetrachloride	A	100.0	98.25	0.484154	0.4756741		-1.8	20
Chlorobenzene	A	100.0	94.27	2.105777	1.985115	0.3	-5.7	20
Chloroethane	A	100.0	103.2	0.1372338	0.1416993		3.3	20
Chloroform	A	100.0	96.19	0.5183192	0.4985494		-3.8	20
Chloromethane	A	100.0	92.27	0.2232586	0.2059982	0.1	-7.7	20
2-Chlorotoluene	A	100.0	98.76	1.478503	1.460193		-1.2	20
4-Chlorotoluene	A	100.0	95.59	1.728237	1.651982		-4.4	20
Dibromochloromethane	A	100.0	92.48	0.96157	0.8892471		-7.5	20
1,2-Dibromo-3-chloropropane	A	100.0	95.88	0.165218	0.1584089		-4.1	20
1,2-Dibromoethane (EDB)	A	100.0	92.67	0.7261361	0.6729295		-7.3	20
Dibromomethane	A	100.0	96.76	0.187154	0.1810993		-3.2	20
1,2-Dichlorobenzene	A	100.0	98.48	1.306003	1.286179		-1.5	20
1,3-Dichlorobenzene	A	100.0	99.68	1.348763	1.34449		-0.3	20
1,4-Dichlorobenzene	A	100.0	96.23	1.414025	1.360778		-3.8	20
Dichlorodifluoromethane	A	100.0	113.8	0.2646311	0.3011389		13.8	20
1,1-Dichloroethane	A	100.0	96.47	0.4219782	0.4070751	0.1	-3.5	20
1,2-Dichloroethane	A	100.0	101.5	0.3881483	0.3938917		1.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H23310	Injection Date:	08/17/12
Lab Sample ID:	2H23310-CCV1	Injection Time:	11:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	95.36	0.2299039	0.2192307		-4.6	20
cis-1,2-Dichloroethene	A	100.0	97.19	0.2923164	0.2841089		-2.8	20
trans-1,2-Dichloroethene	A	100.0	98.31	0.2706481	0.266075		-1.7	20
1,2-Dichloropropane	A	100.0	101.6	0.2208834	0.2244469		1.6	20
1,3-Dichloropropane	A	100.0	93.21	0.9533089	0.8885877		-6.8	20
2,2-Dichloropropane	A	100.0	109.2	0.380659	0.4158627		9.2	20
1,1-Dichloropropene	A	100.0	106.3	0.3461839	0.3679581		6.3	20
cis-1,3-Dichloropropene	A	100.0	107.2	0.4014071	0.4300965		7.1	20
trans-1,3-Dichloropropene	A	100.0	97.32	0.9928947	0.9662931		-2.7	20
Ethylbenzene	A	100.0	102.6	2.993416	3.072555		2.6	20
Hexachlorobutadiene	A	100.0	96.28	0.2768995	0.2666106		-3.7	20
2-Hexanone	A	200.0	226.2	0.2794217	0.315973		13.1	20
Isopropylbenzene	A	100.0	104.1	2.843894	2.960804		4.1	20
p-Isopropyltoluene	A	100.0	100.2	1.937734	1.941809		0.2	20
Methylene chloride	A	100.0	87.60	0.2732269	0.2393433		-12.4	20
Naphthalene	Q	100.0	86.31	1.980321	1.964853		-13.7	20
4-Methyl-2-pentanone	A	200.0	249.6	0.1703177	0.2125211		24.8	20 *
Methyl t-Butyl Ether	A	100.0	95.66	0.6006161	0.5745264		-4.3	20
n-Propylbenzene	A	100.0	99.62	2.246051	2.23759		-0.4	20
Styrene	A	100.0	103.1	2.183883	2.252032		3.1	20
1,1,2,2-Tetrachloroethane	A	100.0	87.96	0.4961926	0.4364359	0.3	-12.0	20
1,1,1,2-Tetrachloroethane	A	100.0	94.35	0.898878	0.8480484		-5.7	20
Tetrachloroethene	A	100.0	98.89	0.888101	0.878258		-1.1	20
Toluene	A	100.0	95.87	1.582424	1.517063		-4.1	20
1,2,3-Trichlorobenzene	A	100.0	98.23	0.7234561	0.7106631		-1.8	20
1,2,4-Trichlorobenzene	A	100.0	101.2	0.7784328	0.7880412		1.2	20
1,1,2-Trichloroethane	A	100.0	92.99	0.4518993	0.4202129		-7.0	20
1,1,1-Trichloroethane	A	100.0	102.6	0.4808123	0.493398		2.6	20
Trichloroethene	A	100.0	107.3	0.2875668	0.3086271		7.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H23310	Injection Date:	08/17/12
Lab Sample ID:	2H23310-CCV1	Injection Time:	11:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	106.2	0.448402	0.4762757		6.2	20
1,2,3-Trichloropropane	A	100.0	96.56	0.2946555	0.2845061		-3.4	20
1,3,5-Trimethylbenzene	A	100.0	98.19	1.776362	1.744242		-1.8	20
1,2,4-Trimethylbenzene	A	100.0	99.27	1.893477	1.879735		-0.7	20
Vinyl chloride	A	100.0	106.9	0.2136571	0.2283132		6.9	20
Xylenes (total)	A	300.0	302.6	2.416686	2.43749		0.9	20
Bromofluorobenzene	A	30.00	31.35	1.013563	1.059278		4.5	20
Dibromofluoromethane	A	30.00	28.18	0.3010273	0.2827323		-6.1	20
1,2-Dichloroethane-d4	A	30.00	27.36	7.164132E-02	6.532927E-02		-8.8	20
Toluene-d8	A	30.00	27.78	2.401311	2.223692		-7.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H23403	Injection Date:	08/20/12
Lab Sample ID:	2H23403-CCV1	Injection Time:	07:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	Q	200.0	148.0	6.127911E-02	4.092049E-02		-26.0	20 *
Benzene	A	100.0	102.8	0.9439093	0.9700996		2.8	20
Bromobenzene	A	100.0	97.99	0.7349524	0.7202011		-2.0	20
Bromochloromethane	A	100.0	99.88	0.1828541	0.1826392		-0.1	20
Bromodichloromethane	A	100.0	102.6	0.4300389	0.4413611		2.6	20
Bromoform	A	100.0	93.93	0.6947025	0.6525545	0.1	-6.1	20
Bromomethane	A	100.0	106.3	0.1767748	0.1879786		6.3	20
n-Butylbenzene	A	100.0	103.5	1.341081	1.387685		3.5	20
2-Butanone	A	200.0	175.3	7.898584E-02	6.922804E-02		-12.4	20
sec-Butylbenzene	A	100.0	105.6	1.938318	2.046395		5.6	20
tert-Butylbenzene	A	100.0	103.5	1.716248	1.776369		3.5	20
Carbon disulfide	A	100.0	106.9	0.6093037	0.6511564		6.9	20
Carbon tetrachloride	A	100.0	105.0	0.484154	0.508252		5.0	20
Chlorobenzene	A	100.0	95.64	2.105777	2.014064	0.3	-4.4	20
Chloroethane	A	100.0	100.2	0.1372338	0.1374752		0.2	20
Chloroform	A	100.0	97.11	0.5183192	0.5033229		-2.9	20
Chloromethane	A	100.0	89.65	0.2232586	0.2001551	0.1	-10.3	20
2-Chlorotoluene	A	100.0	99.84	1.478503	1.476087		-0.2	20
4-Chlorotoluene	A	100.0	99.25	1.728237	1.715272		-0.8	20
Dibromochloromethane	A	100.0	92.93	0.96157	0.8935763		-7.1	20
1,2-Dibromo-3-chloropropane	A	100.0	89.13	0.165218	0.1472567		-10.9	20
1,2-Dibromoethane (EDB)	A	100.0	91.18	0.7261361	0.6620671		-8.8	20
Dibromomethane	A	100.0	96.55	0.187154	0.1806903		-3.5	20
1,2-Dichlorobenzene	A	100.0	99.78	1.306003	1.303167		-0.2	20
1,3-Dichlorobenzene	A	100.0	98.36	1.348763	1.32663		-1.6	20
1,4-Dichlorobenzene	A	100.0	95.62	1.414025	1.352139		-4.4	20
Dichlorodifluoromethane	A	100.0	113.7	0.2646311	0.3008032		13.7	20
1,1-Dichloroethane	A	100.0	97.34	0.4219782	0.4107342	0.1	-2.7	20
1,2-Dichloroethane	A	100.0	102.2	0.3881483	0.3968708		2.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H23403	Injection Date:	08/20/12
Lab Sample ID:	2H23403-CCV1	Injection Time:	07:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	98.75	0.2299039	0.2270329		-1.2	20
cis-1,2-Dichloroethene	A	100.0	99.70	0.2923164	0.2914285		-0.3	20
trans-1,2-Dichloroethene	A	100.0	99.58	0.2706481	0.2695052		-0.4	20
1,2-Dichloropropane	A	100.0	103.2	0.2208834	0.2278395		3.1	20
1,3-Dichloropropane	A	100.0	89.31	0.9533089	0.8513671		-10.7	20
2,2-Dichloropropane	A	100.0	113.2	0.380659	0.4308774		13.2	20
1,1-Dichloropropene	A	100.0	107.4	0.3461839	0.3718481		7.4	20
cis-1,3-Dichloropropene	A	100.0	108.7	0.4014071	0.4361853		8.7	20
trans-1,3-Dichloropropene	A	100.0	98.96	0.9928947	0.9825472		-1.0	20
Ethylbenzene	A	100.0	100.5	2.993416	3.008946		0.5	20
Hexachlorobutadiene	A	100.0	98.83	0.2768995	0.2736474		-1.2	20
2-Hexanone	A	200.0	170.1	0.2794217	0.2376609		-14.9	20
Isopropylbenzene	A	100.0	103.9	2.843894	2.953613		3.9	20
p-Isopropyltoluene	A	100.0	100.5	1.937734	1.946709		0.5	20
Methylene chloride	A	100.0	88.48	0.2732269	0.2417557		-11.5	20
Naphthalene	Q	100.0	85.10	1.980321	1.935332		-14.9	20
4-Methyl-2-pentanone	A	200.0	186.5	0.1703177	0.1588297		-6.7	20
Methyl t-Butyl Ether	A	100.0	97.01	0.6006161	0.5826638		-3.0	20
n-Propylbenzene	A	100.0	101.4	2.246051	2.278659		1.5	20
Styrene	A	100.0	104.3	2.183883	2.2783		4.3	20
1,1,2,2-Tetrachloroethane	A	100.0	85.12	0.4961926	0.4223514	0.3	-14.9	20
1,1,1,2-Tetrachloroethane	A	100.0	96.66	0.898878	0.8688436		-3.3	20
Tetrachloroethene	A	100.0	98.77	0.888101	0.8772166		-1.2	20
Toluene	A	100.0	97.44	1.582424	1.541975		-2.6	20
1,2,3-Trichlorobenzene	A	100.0	96.15	0.7234561	0.6955877		-3.9	20
1,2,4-Trichlorobenzene	A	100.0	101.5	0.7784328	0.7900537		1.5	20
1,1,2-Trichloroethane	A	100.0	90.67	0.4518993	0.409748		-9.3	20
1,1,1-Trichloroethane	A	100.0	105.1	0.4808123	0.5054536		5.1	20
Trichloroethene	A	100.0	109.1	0.2875668	0.3136877		9.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2213002
Lab File ID:	SEQCCV1.D	Calibration Date:	07/30/12 09:48
Sequence:	2H23403	Injection Date:	08/20/12
Lab Sample ID:	2H23403-CCV1	Injection Time:	07:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	107.7	0.448402	0.4829014		7.7	20
1,2,3-Trichloropropane	A	100.0	90.52	0.2946555	0.2667308		-9.5	20
1,3,5-Trimethylbenzene	A	100.0	102.4	1.776362	1.818114		2.4	20
1,2,4-Trimethylbenzene	A	100.0	100.9	1.893477	1.909737		0.9	20
Vinyl chloride	A	100.0	104.5	0.2136571	0.2232483		4.5	20
Xylenes (total)	A	300.0	299.0	2.416686	2.408489		-0.3	20
Bromofluorobenzene	A	30.00	30.60	1.013563	1.033849		2.0	20
Dibromofluoromethane	A	30.00	28.95	0.3010273	0.2904849		-3.5	20
1,2-Dichloroethane-d4	A	30.00	27.97	7.164132E-02	6.679569E-02		-6.8	20
Toluene-d8	A	30.00	27.77	2.401311	2.222832		-7.4	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_060

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

Matrix: Laboratory ID: 2H09007-BLK1 File ID: 0809BLK1.D

Sampled: Prepared: Analyzed: 08/09/12 13:18

Solids: Preparation: 5030B Dilution:

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	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_060

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

Matrix: Laboratory ID: 2H09007-BLK1 File ID: 0809BLK1.D

Sampled: Prepared: Analyzed: 08/09/12 13:18

Solids: Preparation: 5030B Dilution:

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	28.53	95.1	75 - 120	
Dibromofluoromethane	30.00	30.15	100	85 - 115	
1,2-Dichloroethane-d4	30.00	28.51	95.0	70 - 120	
Toluene-d8	30.00	29.25	97.5	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H09007-BS1 File ID: 0809LCS1.D

Sampled: Prepared: Analyzed: 08/09/12 11:51

Solids: Preparation: 5030B Dilution:

Batch: 2H09007 Sequence: 2H22302 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	105	2.50	5.00	10.0	
71-43-2	Benzene	52.7	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	46.2	0.250	0.500	1.00	
75-25-2	Bromoform	49.1	0.250	0.500	1.00	
74-83-9	Bromomethane	48.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.9	0.250	0.500	1.00	
78-93-3	2-Butanone	121	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	54.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	46.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	44.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.1	0.250	0.500	1.00	
75-00-3	Chloroethane	51.0	0.500	1.00	2.00	
67-66-3	Chloroform	49.5	0.250	0.500	1.00	
74-87-3	Chloromethane	44.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	51.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	51.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	35.8	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.2	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	54.1	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2H09007-BS1
File ID: 0809LCS1.D
Sampled:
Prepared:
Analyzed: 08/09/12 11:51
Solids:
Preparation: 5030B
Dilution:
Batch: 2H09007
Sequence: 2H22302
Calibration: 2213002
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	126	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	50.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	49.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.5	0.500	1.00	2.00	
91-20-3	Naphthalene	50.1	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	129	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	50.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.8	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	50.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	51.4	0.250	0.500	1.00	
108-88-3	Toluene	51.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.9	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	53.4	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	50.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	156	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.23	101	75 - 120	
Dibromofluoromethane	30.00	29.53	98.4	85 - 115	
1,2-Dichloroethane-d4	30.00	29.67	98.9	70 - 120	
Toluene-d8	30.00	29.21	97.4	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H10001-BLK1 File ID: 0810BLK1.D

Sampled: Prepared: Analyzed: 08/10/12 09:55

Solids: Preparation: 5030B Dilution:

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	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_060

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

Matrix: Laboratory ID: 2H10001-BLK1 File ID: 0810BLK1.D

Sampled: Prepared: Analyzed: 08/10/12 09:55

Solids: Preparation: 5030B Dilution:

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	29.35	97.8	75 - 120	
Dibromofluoromethane	30.00	29.78	99.3	85 - 115	
1,2-Dichloroethane-d4	30.00	27.47	91.6	70 - 120	
Toluene-d8	30.00	29.05	96.8	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H10001-BS1 File ID: 0810LCS1.D

Sampled: Prepared: Analyzed: 08/10/12 08:30

Solids: Preparation: 5030B Dilution:

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	81.3	2.50	5.00	10.0	
71-43-2	Benzene	52.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	46.0	0.250	0.500	1.00	
75-25-2	Bromoform	50.2	0.250	0.500	1.00	
74-83-9	Bromomethane	47.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.8	0.250	0.500	1.00	
78-93-3	2-Butanone	98.1	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	52.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	41.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.4	0.250	0.500	1.00	
75-00-3	Chloroethane	51.7	0.500	1.00	2.00	
67-66-3	Chloroform	48.1	0.250	0.500	1.00	
74-87-3	Chloromethane	46.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	53.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	33.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.6	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H10001-BS1 File ID: 0810LCS1.D

Sampled: Prepared: Analyzed: 08/10/12 08:30

Solids: Preparation: 5030B Dilution:

Batch: 2H10001 Sequence: 2H22601 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	98.8	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	50.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.9	0.500	1.00	2.00	
91-20-3	Naphthalene	49.7	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	104	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	48.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.9	0.250	0.500	1.00	
100-42-5	Styrene	54.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.6	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.6	0.250	0.500	1.00	
108-88-3	Toluene	51.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	55.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	54.0	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	51.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	47.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	156	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.19	101	75 - 120	
Dibromofluoromethane	30.00	28.99	96.6	85 - 115	
1,2-Dichloroethane-d4	30.00	28.62	95.4	70 - 120	
Toluene-d8	30.00	28.99	96.6	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H15005-BLK1 File ID: 0815BLK1.D

Sampled: Prepared: Analyzed: 08/15/12 09:18

Solids: Preparation: 5030B Dilution:

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H15005-BLK1 File ID: 0815BLK1.D

Sampled: Prepared: Analyzed: 08/15/12 09:18

Solids: Preparation: 5030B Dilution:

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.25	101	75 - 120	
Dibromofluoromethane	30.00	29.67	98.9	85 - 115	
1,2-Dichloroethane-d4	30.00	26.03	86.8	70 - 120	
Toluene-d8	30.00	28.83	96.1	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H15005-BS1 File ID: 0815LCS1.D

Sampled: Prepared: Analyzed: 08/15/12 07:55

Solids: Preparation: 5030B Dilution:

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.6	2.50	5.00	10.0	
71-43-2	Benzene	52.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.1	0.250	0.500	1.00	
75-25-2	Bromoform	46.1	0.250	0.500	1.00	
74-83-9	Bromomethane	54.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.9	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	47.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	44.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.3	0.250	0.500	1.00	
75-00-3	Chloroethane	55.4	0.500	1.00	2.00	
67-66-3	Chloroform	48.8	0.250	0.500	1.00	
74-87-3	Chloromethane	52.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	44.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	45.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	54.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	55.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	44.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.8	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2H15005-BS1
File ID: 0815LCS1.D
Sampled:
Prepared:
Analyzed: 08/15/12 07:55
Solids:
Preparation: 5030B
Dilution:
Batch: 2H15005
Sequence: 2H22905
Calibration: 2213002
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	48.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.0	0.500	1.00	2.00	
91-20-3	Naphthalene	45.6	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	108	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.7	0.250	0.500	1.00	
100-42-5	Styrene	50.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	42.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.8	0.250	0.500	1.00	
108-88-3	Toluene	48.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.4	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	51.4	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	45.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	46.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.8	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	29.94	99.8	75 - 120	
Dibromofluoromethane	30.00	29.19	97.3	85 - 115	
1,2-Dichloroethane-d4	30.00	28.81	96.0	70 - 120	
Toluene-d8	30.00	27.73	92.4	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H15005-BSD1 File ID: 0815LCD1.D

Sampled: Prepared: Analyzed: 08/15/12 18:06

Solids: Preparation: 5030B Dilution:

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	94.6	2.50	5.00	10.0	
71-43-2	Benzene	49.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	45.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	47.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	44.6	0.250	0.500	1.00	
75-25-2	Bromoform	46.0	0.250	0.500	1.00	
74-83-9	Bromomethane	41.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	46.4	0.250	0.500	1.00	
78-93-3	2-Butanone	112	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	48.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	44.5	0.250	0.500	1.00	
75-00-3	Chloroethane	50.0	0.500	1.00	2.00	
67-66-3	Chloroform	46.8	0.250	0.500	1.00	
74-87-3	Chloromethane	45.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	45.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	45.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	43.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	45.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	44.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	44.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	46.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	42.5	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	46.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	45.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	43.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	47.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	49.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	41.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	39.8	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H15005-BSD1 File ID: 0815LCD1.D

Sampled: Prepared: Analyzed: 08/15/12 18:06

Solids: Preparation: 5030B Dilution:

Batch: 2H15005 Sequence: 2H22905 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	111	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	45.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	43.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	42.3	0.500	1.00	2.00	
91-20-3	Naphthalene	41.5	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	120	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	45.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	45.5	0.250	0.500	1.00	
100-42-5	Styrene	47.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	42.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.7	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	43.9	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	44.1	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	45.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	46.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	47.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	45.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	143	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.79	103	75 - 120	
Dibromofluoromethane	30.00	29.44	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	27.57	91.9	70 - 120	
Toluene-d8	30.00	28.22	94.1	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H17007-BLK1 File ID: 0817BLK1.D

Sampled: Prepared: Analyzed: 08/17/12 12:56

Solids: Preparation: 5030B Dilution:

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H17007-BLK1 File ID: 0817BLK1.D

Sampled: Prepared: Analyzed: 08/17/12 12:56

Solids: Preparation: 5030B Dilution:

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	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	28.75	95.8	75 - 120	
Dibromofluoromethane	30.00	29.55	98.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.21	94.0	70 - 120	
Toluene-d8	30.00	28.70	95.7	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H17007-BS1 File ID: 0817LCS1.D

Sampled: Prepared: Analyzed: 08/17/12 11:35

Solids: Preparation: 5030B Dilution:

Batch: 2H17007 Sequence: 2H23310 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	85.1	2.50	5.00	10.0	
71-43-2	Benzene	50.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	44.7	0.250	0.500	1.00	
75-25-2	Bromoform	46.2	0.250	0.500	1.00	
74-83-9	Bromomethane	67.1	0.500	1.00	2.00	X
104-51-8	n-Butylbenzene	48.7	0.250	0.500	1.00	
78-93-3	2-Butanone	102	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.0	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	44.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	51.7	0.500	1.00	2.00	
67-66-3	Chloroform	46.8	0.250	0.500	1.00	
74-87-3	Chloromethane	44.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	46.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	44.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.0	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	45.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	45.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	46.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	49.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	42.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.6	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H17007-BS1	File ID:	0817LCS1.D
Sampled:		Prepared:		Analyzed:	08/17/12 11:35
Solids:		Preparation:	5030B	Dilution:	

Batch:	2H17007	Sequence:	2H23310	Calibration:	2213002	Instrument:	MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	107	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	44.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.6	0.500	1.00	2.00	
91-20-3	Naphthalene	42.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	117	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	47.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	46.5	0.250	0.500	1.00	
100-42-5	Styrene	50.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	42.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.7	0.250	0.500	1.00	
108-88-3	Toluene	48.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.1	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	46.8	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	46.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	45.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	48.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	47.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	146	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.06	100	75 - 120	
Dibromofluoromethane	30.00	28.95	96.5	85 - 115	
1,2-Dichloroethane-d4	30.00	26.85	89.5	70 - 120	
Toluene-d8	30.00	28.33	94.4	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H20007-BLK1 File ID: 0820BLK1.D

Sampled: Prepared: Analyzed: 08/20/12 09:03

Solids: Preparation: 5030B Dilution:

Batch: 2H20007 Sequence: 2H23403 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	Y, U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	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_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2H20007-BLK1
File ID: 0820BLK1.D
Sampled:
Prepared:
Analyzed: 08/20/12 09:03
Solids:
Preparation: 5030B
Dilution:
Batch: 2H20007
Sequence: 2H23403
Calibration: 2213002
Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.66	98.9	75 - 120	
Dibromofluoromethane	30.00	28.90	96.3	85 - 115	
1,2-Dichloroethane-d4	30.00	26.76	89.2	70 - 120	
Toluene-d8	30.00	28.94	96.5	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H20007-BS1 File ID: 0820LCS1.D

Sampled: Prepared: Analyzed: 08/20/12 07:42

Solids: Preparation: 5030B Dilution:

Batch: 2H20007 Sequence: 2H23403 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	84.1	2.50	5.00	10.0	Y
71-43-2	Benzene	50.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	47.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	44.8	0.250	0.500	1.00	
75-25-2	Bromoform	45.1	0.250	0.500	1.00	
74-83-9	Bromomethane	54.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.1	0.250	0.500	1.00	
78-93-3	2-Butanone	101	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.1	0.250	0.500	1.00	
75-00-3	Chloroethane	51.8	0.500	1.00	2.00	
67-66-3	Chloroform	46.3	0.250	0.500	1.00	
74-87-3	Chloromethane	43.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	46.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	44.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	43.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	42.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	44.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	44.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	45.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	47.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	47.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	45.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	42.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.7	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H20007-BS1 File ID: 0820LCS1.D

Sampled: Prepared: Analyzed: 08/20/12 07:42

Solids: Preparation: 5030B Dilution:

Batch: 2H20007 Sequence: 2H23403 Calibration: 2213002 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	101	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	44.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.7	0.500	1.00	2.00	
91-20-3	Naphthalene	40.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	111	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	46.5	0.250	0.500	1.00	
100-42-5	Styrene	49.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	40.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.0	0.250	0.500	1.00	
108-88-3	Toluene	47.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.6	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	47.3	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	45.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	44.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	46.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	145	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.71	102	75 - 120	
Dibromofluoromethane	30.00	29.83	99.4	85 - 115	
1,2-Dichloroethane-d4	30.00	29.04	96.8	70 - 120	
Toluene-d8	30.00	28.37	94.6	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0687	08/06/12 16:08	08/08/12 08:15	08/15/12 16:43	N/A	14.00	08/15/12 16:43	8.98	14.00	
GW0688	08/06/12 13:29	08/08/12 08:15	08/15/12 09:46	N/A	14.00	08/15/12 09:46	8.80	14.00	
GW0689	08/06/12 11:11	08/08/12 08:15	08/15/12 10:14	N/A	14.00	08/15/12 10:14	8.92	14.00	
GW0704	08/06/12 13:25	08/08/12 08:15	08/15/12 10:41	N/A	14.00	08/15/12 10:41	8.84	14.00	
GW0705	08/06/12 11:25	08/08/12 08:15	08/15/12 11:09	N/A	14.00	08/15/12 11:09	8.95	14.00	
GW0706	08/06/12 15:25	08/08/12 08:15	08/15/12 11:37	N/A	14.00	08/15/12 11:37	8.80	14.00	
GW0707	08/07/12 10:46	08/08/12 08:15	08/15/12 17:10	N/A	14.00	08/15/12 17:10	8.23	14.00	
GW0734	08/07/12 12:55	08/08/12 08:15	08/15/12 12:04	N/A	14.00	08/15/12 12:04	7.92	14.00	
GW0735	08/07/12 10:27	08/08/12 08:15	08/15/12 12:32	N/A	14.00	08/15/12 12:32	8.05	14.00	
GW0736	08/07/12 10:27	08/08/12 08:15	08/15/12 13:01	N/A	14.00	08/15/12 13:01	8.07	14.00	
GW8056-RB	08/07/12 08:20	08/08/12 08:15	08/09/12 00:00	N/A	14.00	08/09/12 14:44	2.23	14.00	
GW8221-TB	08/06/12 08:00	08/08/12 08:15	08/09/12 00:00	N/A	14.00	08/09/12 13:46	3.20	14.00	
GW0633	08/08/12 14:58	08/09/12 08:20	08/15/12 15:47	N/A	14.00	08/15/12 15:47	6.99	14.00	
GW0634	08/08/12 14:58	08/09/12 08:20	08/15/12 16:15	N/A	14.00	08/15/12 16:15	7.01	14.00	
GW0636	08/08/12 10:54	08/09/12 08:20	08/15/12 15:20	N/A	14.00	08/15/12 15:20	7.14	14.00	
GW0642	08/07/12 15:19	08/09/12 08:20	08/15/12 13:29	N/A	14.00	08/15/12 13:29	7.88	14.00	
GW0695	08/08/12 13:56	08/09/12 08:20	08/15/12 14:52	N/A	14.00	08/15/12 14:52	7.00	14.00	
GW0696	08/08/12 11:32	08/09/12 08:20	08/15/12 13:57	N/A	14.00	08/15/12 13:57	7.06	14.00	
GW0733	08/07/12 15:05	08/09/12 08:20	08/15/12 14:24	N/A	14.00	08/15/12 14:24	7.93	14.00	
GW8057-RB	08/08/12 08:20	08/09/12 08:20	08/10/12 11:18	N/A	14.00	08/10/12 11:18	2.08	14.00	
GW8059-AB	08/08/12 11:32	08/09/12 08:20	08/10/12 11:45	N/A	14.00	08/10/12 11:45	1.97	14.00	
GW8222-TB	08/08/12 08:00	08/09/12 08:20	08/10/12 10:50	N/A	14.00	08/10/12 10:50	2.08	14.00	
GW0632	08/09/12 14:47	08/10/12 08:20	08/17/12 20:11	N/A	14.00	08/17/12 20:11	8.18	14.00	
GW0632	08/09/12 14:47	08/10/12 08:20	08/20/12 14:58	N/A	14.00	08/20/12 14:58	10.97	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0637	08/09/12 14:01	08/10/12 08:20	08/17/12 20:38	N/A	14.00	08/17/12 20:38	8.23	14.00	
GW0641	08/09/12 10:48	08/10/12 08:20	08/17/12 21:05	N/A	14.00	08/17/12 21:05	8.39	14.00	
GW0694	08/08/12 16:48	08/10/12 08:20	08/17/12 21:32	N/A	14.00	08/17/12 21:32	9.16	14.00	
GW0708	08/09/12 11:02	08/10/12 08:20	08/17/12 19:43	N/A	14.00	08/17/12 19:43	8.32	14.00	
GW8223-TB	08/09/12 08:00	08/10/12 08:20	08/17/12 13:23	N/A	14.00	08/17/12 13:23	8.18	14.00	

Data for SW8270D Forms

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01	File ID:	0805501D.D
Sampled:	08/06/12 16:08	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 13:32
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.5	25.0	50.0	U
208-96-8	Acenaphthylene		12.5	25.0	50.0	U
98-86-2	Acetophenone	4490	12.5	25.0	50.0	D, E
120-12-7	Anthracene		12.5	25.0	50.0	U
1912-24-9	Atrazine		12.5	25.0	50.0	U
100-52-7	Benzaldehyde		12.5	25.0	50.0	U
92-87-5	Benzidine		125	500	1000	Q, U
56-55-3	Benzo(a)anthracene		12.5	25.0	50.0	U
50-32-8	Benzo(a)pyrene		12.5	25.0	50.0	U
205-99-2	Benzo(b)fluoranthene		12.5	25.0	50.0	U
191-24-2	Benzo(g,h,i)perylene		12.5	25.0	50.0	U
65-85-0	Benzoic acid		125	500	1000	U
207-08-9	Benzo(k)fluoranthene		12.5	25.0	50.0	U
92-52-4	1,1-Biphenyl		12.5	25.0	50.0	U
101-55-3	4-Bromophenyl-phenylether		12.5	25.0	50.0	U
85-68-7	Butylbenzylphthalate		12.5	25.0	50.0	U
105-60-2	Caprolactam		12.5	25.0	50.0	U
86-74-8	Carbazole		12.5	25.0	50.0	U
59-50-7	4-Chloro-3-methylphenol		12.5	25.0	50.0	U
106-47-8	4-Chloroaniline		12.5	25.0	50.0	U
111-91-1	Bis(2-chloroethoxy)methane		12.5	25.0	50.0	U
111-44-4	Bis(2-chloroethyl)ether		12.5	25.0	50.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.5	25.0	50.0	U
91-58-7	2-Chloronaphthalene		12.5	25.0	50.0	U
95-57-8	2-Chlorophenol		12.5	25.0	50.0	U
7005-72-3	4-Chlorophenyl phenyl ether		12.5	25.0	50.0	U
218-01-9	Chrysene		12.5	25.0	50.0	U
53-70-3	Dibenz(a,h)anthracene		12.5	25.0	50.0	U
132-64-9	Dibenzofuran		12.5	25.0	50.0	U
84-74-2	Di-n-butylphthalate		12.5	25.0	50.0	U
91-94-1	3,3'-Dichlorobenzidine		12.5	25.0	50.0	U
120-83-2	2,4-Dichlorophenol		12.5	25.0	50.0	U
84-66-2	Diethylphthalate		12.5	25.0	50.0	U
105-67-9	2,4-Dimethylphenol		50.0	100	200	U
131-11-3	Dimethyl phthalate		12.5	25.0	50.0	U
534-52-1	4,6-Dinitro-2-methylphenol		50.0	100	200	Q, U
51-28-5	2,4-Dinitrophenol		83.3	250	500	Q, U
121-14-2	2,4-Dinitrotoluene		12.5	25.0	50.0	U
606-20-2	2,6-Dinitrotoluene		12.5	25.0	50.0	U
117-84-0	Di-n-octylphthalate		12.5	25.0	50.0	U

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01	File ID:	0805501D.D
Sampled:	08/06/12 16:08	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 13:32
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.5	25.0	50.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.5	25.0	50.0	U
206-44-0	Fluoranthene		12.5	25.0	50.0	U
86-73-7	Fluorene		12.5	25.0	50.0	U
118-74-1	Hexachlorobenzene		12.5	25.0	50.0	U
87-68-3	Hexachlorobutadiene		12.5	25.0	50.0	U
77-47-4	Hexachlorocyclopentadiene		12.5	50.0	100	U
67-72-1	Hexachloroethane		12.5	25.0	50.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.5	25.0	50.0	U
78-59-1	Isophorone		12.5	25.0	50.0	U
90-12-0	1-Methylnaphthalene	38.6	12.5	25.0	50.0	J, D
91-57-6	2-Methylnaphthalene	45.5	12.5	25.0	50.0	J, D
95-48-7	2-Methylphenol		12.5	25.0	50.0	U
108-39-4/106	3-Methylphenol/4-Methylphenol	22.2	12.5	25.0	50.0	J, D
91-20-3	Naphthalene	122	12.5	25.0	50.0	D
100-01-6	4-Nitroaniline		50.0	100	200	U
99-09-2	3-Nitroaniline		50.0	100	200	U
88-74-4	2-Nitroaniline		50.0	100	200	Q, U
98-95-3	Nitrobenzene		12.5	25.0	50.0	U
100-02-7	4-Nitrophenol		50.0	100	200	Q, U
88-75-5	2-Nitrophenol		12.5	25.0	50.0	U
86-30-6	N-Nitrosodiphenylamine		12.5	25.0	50.0	U
621-64-7	N-Nitroso-di-n-propylamine		12.5	25.0	50.0	U
87-86-5	Pentachlorophenol		50.0	100	200	Q, U
85-01-8	Phenanthrene		12.5	25.0	50.0	U
108-95-2	Phenol		12.5	25.0	50.0	U
129-00-0	Pyrene		12.5	25.0	50.0	U
88-06-2	2,4,6-Trichlorophenol		12.5	25.0	50.0	Q, U
95-95-4	2,4,5-Trichlorophenol		12.5	25.0	50.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.56	89.1	50 - 110	
2-Fluorophenol	100.0	21.61	21.6	20 - 110	
Nitrobenzene-d5	50.00	36.05	72.1	40 - 110	
Phenol-d6	100.0	45.06	45.1	0 - 110	
Terphenyl-d14	50.00	43.82	87.6	50 - 135	X
2,4,6-Tribromophenol	100.0	58.85	58.8	40 - 125	

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01RE1	File ID:	805501D2.D
Sampled:	08/06/12 16:08	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 18:58
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		125	250	500	U
208-96-8	Acenaphthylene		125	250	500	U
98-86-2	Acetophenone	6220	125	250	500	D
120-12-7	Anthracene		125	250	500	U
1912-24-9	Atrazine		125	250	500	U
100-52-7	Benzaldehyde		125	250	500	U
92-87-5	Benzidine		1250	5000	10000	Q, U
56-55-3	Benzo(a)anthracene		125	250	500	U
50-32-8	Benzo(a)pyrene		125	250	500	U
205-99-2	Benzo(b)fluoranthene		125	250	500	U
191-24-2	Benzo(g,h,i)perylene		125	250	500	U
65-85-0	Benzoic acid		1250	5000	10000	U
207-08-9	Benzo(k)fluoranthene		125	250	500	U
92-52-4	1,1-Biphenyl		125	250	500	U
101-55-3	4-Bromophenyl-phenylether		125	250	500	U
85-68-7	Butylbenzylphthalate		125	250	500	U
105-60-2	Caprolactam		125	250	500	U
86-74-8	Carbazole		125	250	500	U
59-50-7	4-Chloro-3-methylphenol		125	250	500	U
106-47-8	4-Chloroaniline		125	250	500	U
111-91-1	Bis(2-chloroethoxy)methane		125	250	500	U
111-44-4	Bis(2-chloroethyl)ether		125	250	500	U
108-60-1	2,2'-Oxybis-1-chloropropane		125	250	500	U
91-58-7	2-Chloronaphthalene		125	250	500	U
95-57-8	2-Chlorophenol		125	250	500	U
7005-72-3	4-Chlorophenyl phenyl ether		125	250	500	U
218-01-9	Chrysene		125	250	500	U
53-70-3	Dibenz(a,h)anthracene		125	250	500	U
132-64-9	Dibenzofuran		125	250	500	U
84-74-2	Di-n-butylphthalate		125	250	500	U
91-94-1	3,3'-Dichlorobenzidine		125	250	500	U
120-83-2	2,4-Dichlorophenol		125	250	500	U
84-66-2	Diethylphthalate		125	250	500	U
105-67-9	2,4-Dimethylphenol		500	1000	2000	U
131-11-3	Dimethyl phthalate		125	250	500	U
534-52-1	4,6-Dinitro-2-methylphenol		500	1000	2000	Q, U
51-28-5	2,4-Dinitrophenol		833	2500	5000	Q, U
121-14-2	2,4-Dinitrotoluene		125	250	500	U
606-20-2	2,6-Dinitrotoluene		125	250	500	U
117-84-0	Di-n-octylphthalate		125	250	500	U

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01RE1	File ID:	805501D2.D
Sampled:	08/06/12 16:08	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 18:58
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		125	250	500	U
117-81-7	Bis(2-ethylhexyl)phthalate		125	250	500	U
206-44-0	Fluoranthene		125	250	500	U
86-73-7	Fluorene		125	250	500	U
118-74-1	Hexachlorobenzene		125	250	500	U
87-68-3	Hexachlorobutadiene		125	250	500	U
77-47-4	Hexachlorocyclopentadiene		125	500	1000	U
67-72-1	Hexachloroethane		125	250	500	U
193-39-5	Indeno(1,2,3-cd)pyrene		125	250	500	U
78-59-1	Isophorone		125	250	500	U
90-12-0	1-Methylnaphthalene		125	250	500	U
91-57-6	2-Methylnaphthalene		125	250	500	U
95-48-7	2-Methylphenol		125	250	500	U
108-39-4/106	3-Methylphenol/4-Methylphenol		125	250	500	U
91-20-3	Naphthalene		125	250	500	U
100-01-6	4-Nitroaniline		500	1000	2000	U
99-09-2	3-Nitroaniline		500	1000	2000	U
88-74-4	2-Nitroaniline		500	1000	2000	Q, U
98-95-3	Nitrobenzene		125	250	500	U
100-02-7	4-Nitrophenol		500	1000	2000	Q, U
88-75-5	2-Nitrophenol		125	250	500	U
86-30-6	N-Nitrosodiphenylamine		125	250	500	U
621-64-7	N-Nitroso-di-n-propylamine		125	250	500	U
87-86-5	Pentachlorophenol		500	1000	2000	Q, U
85-01-8	Phenanthrene		125	250	500	U
108-95-2	Phenol		125	250	500	U
129-00-0	Pyrene		125	250	500	U
88-06-2	2,4,6-Trichlorophenol		125	250	500	Q, U
95-95-4	2,4,5-Trichlorophenol		125	250	500	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	ND		50 - 110	DU
2-Fluorophenol	100.0	ND		20 - 110	DU
Nitrobenzene-d5	50.00	ND		40 - 110	DU
Phenol-d6	100.0	ND		0 - 110	DU
Terphenyl-d14	50.00	ND		50 - 135	DX, U
2,4,6-Tribromophenol	100.0	ND		40 - 125	DU

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	0805503.D
Sampled:	08/06/12 13:29	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 14:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Q, 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

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	0805503.D
Sampled:	08/06/12 13:29	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 14:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.01	86.0	50 - 110	
2-Fluorophenol	100.0	39.24	39.2	20 - 110	
Nitrobenzene-d5	50.00	36.09	72.2	40 - 110	
Phenol-d6	100.0	21.48	21.5	0 - 110	
Terphenyl-d14	50.00	49.48	99.0	50 - 135	X
2,4,6-Tribromophenol	100.0	89.76	89.8	40 - 125	

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	0805505.D
Sampled:	08/06/12 11:11	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 15:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Q, 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

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	0805505.D
Sampled:	08/06/12 11:11	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 15:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.58	85.2	50 - 110	
2-Fluorophenol	100.0	30.99	31.0	20 - 110	
Nitrobenzene-d5	50.00	33.89	67.8	40 - 110	
Phenol-d6	100.0	19.20	19.2	0 - 110	
Terphenyl-d14	50.00	45.39	90.8	50 - 135	X
2,4,6-Tribromophenol	100.0	76.86	76.9	40 - 125	

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	0805507.D
Sampled:	08/06/12 13:25	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 15:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Q, 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

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	0805507.D
Sampled:	08/06/12 13:25	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 15:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.59	81.2	50 - 110	
2-Fluorophenol	100.0	23.76	23.8	20 - 110	
Nitrobenzene-d5	50.00	31.46	62.9	40 - 110	
Phenol-d6	100.0	14.68	14.7	0 - 110	
Terphenyl-d14	50.00	44.55	89.1	50 - 135	X
2,4,6-Tribromophenol	100.0	68.35	68.4	40 - 125	

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	0805509.D
Sampled:	08/06/12 11:25	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 16:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, 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	Q, 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

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	0805509.D
Sampled:	08/06/12 11:25	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 16:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	Q, U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	Q, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	41.76	88.5	50 - 110	
2-Fluorophenol	94.34	29.93	31.7	20 - 110	
Nitrobenzene-d5	47.17	32.57	69.0	40 - 110	
Phenol-d6	94.34	16.36	17.3	0 - 110	
Terphenyl-d14	47.17	45.40	96.2	50 - 135	X
2,4,6-Tribromophenol	94.34	84.11	89.2	40 - 125	

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	0805511.D
Sampled:	08/06/12 15:25	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 16:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	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	Q, 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

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	0805511.D
Sampled:	08/06/12 15:25	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 16:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Q, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	Q, U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	Q, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	42.72	88.9	50 - 110	
2-Fluorophenol	96.15	25.01	26.0	20 - 110	
Nitrobenzene-d5	48.08	34.46	71.7	40 - 110	
Phenol-d6	96.15	16.05	16.7	0 - 110	
Terphenyl-d14	48.08	47.93	99.7	50 - 135	X
2,4,6-Tribromophenol	96.15	68.24	71.0	40 - 125	

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13	File ID:	805513D2.D
Sampled:	08/07/12 10:46	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 19:25
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		117	234	467	U
208-96-8	Acenaphthylene		117	234	467	U
98-86-2	Acetophenone	26700	117	234	467	D, E
120-12-7	Anthracene		117	234	467	U
1912-24-9	Atrazine		117	234	467	U
100-52-7	Benzaldehyde		117	234	467	U
92-87-5	Benzidine		1170	4670	9350	Q, U
56-55-3	Benzo(a)anthracene		117	234	467	U
50-32-8	Benzo(a)pyrene		117	234	467	U
205-99-2	Benzo(b)fluoranthene		117	234	467	U
191-24-2	Benzo(g,h,i)perylene		117	234	467	U
65-85-0	Benzoic acid		1170	4670	9350	U
207-08-9	Benzo(k)fluoranthene		117	234	467	U
92-52-4	1,1-Biphenyl		117	234	467	U
101-55-3	4-Bromophenyl-phenylether		117	234	467	U
85-68-7	Butylbenzylphthalate		117	234	467	U
105-60-2	Caprolactam		117	234	467	U
86-74-8	Carbazole		117	234	467	U
59-50-7	4-Chloro-3-methylphenol		117	234	467	U
106-47-8	4-Chloroaniline		117	234	467	U
111-91-1	Bis(2-chloroethoxy)methane		117	234	467	U
111-44-4	Bis(2-chloroethyl)ether		117	234	467	U
108-60-1	2,2'-Oxybis-1-chloropropane		117	234	467	U
91-58-7	2-Chloronaphthalene		117	234	467	U
95-57-8	2-Chlorophenol		117	234	467	U
7005-72-3	4-Chlorophenyl phenyl ether		117	234	467	U
218-01-9	Chrysene		117	234	467	U
53-70-3	Dibenz(a,h)anthracene		117	234	467	U
132-64-9	Dibenzofuran		117	234	467	U
84-74-2	Di-n-butylphthalate		117	234	467	U
91-94-1	3,3'-Dichlorobenzidine		117	234	467	U
120-83-2	2,4-Dichlorophenol		117	234	467	U
84-66-2	Diethylphthalate		117	234	467	U
105-67-9	2,4-Dimethylphenol		467	935	1870	U
131-11-3	Dimethyl phthalate		117	234	467	U
534-52-1	4,6-Dinitro-2-methylphenol		467	935	1870	Q, U
51-28-5	2,4-Dinitrophenol		779	2340	4670	Q, U
121-14-2	2,4-Dinitrotoluene		117	234	467	U
606-20-2	2,6-Dinitrotoluene		117	234	467	U
117-84-0	Di-n-octylphthalate		117	234	467	U

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13	File ID:	805513D2.D
Sampled:	08/07/12 10:46	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 19:25
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		117	234	467	U
117-81-7	Bis(2-ethylhexyl)phthalate		117	234	467	U
206-44-0	Fluoranthene		117	234	467	U
86-73-7	Fluorene		117	234	467	U
118-74-1	Hexachlorobenzene		117	234	467	U
87-68-3	Hexachlorobutadiene		117	234	467	U
77-47-4	Hexachlorocyclopentadiene		117	467	935	U
67-72-1	Hexachloroethane		117	234	467	U
193-39-5	Indeno(1,2,3-cd)pyrene		117	234	467	U
78-59-1	Isophorone		117	234	467	U
90-12-0	1-Methylnaphthalene		117	234	467	U
91-57-6	2-Methylnaphthalene		117	234	467	U
95-48-7	2-Methylphenol	435	117	234	467	J, D
108-39-4/106	3-Methylphenol/4-Methylphenol		117	234	467	U
91-20-3	Naphthalene		117	234	467	U
100-01-6	4-Nitroaniline		467	935	1870	U
99-09-2	3-Nitroaniline		467	935	1870	U
88-74-4	2-Nitroaniline		467	935	1870	Q, U
98-95-3	Nitrobenzene		117	234	467	U
100-02-7	4-Nitrophenol		467	935	1870	Q, U
88-75-5	2-Nitrophenol		117	234	467	U
86-30-6	N-Nitrosodiphenylamine		117	234	467	U
621-64-7	N-Nitroso-di-n-propylamine		117	234	467	U
87-86-5	Pentachlorophenol		467	935	1870	Q, U
85-01-8	Phenanthrene		117	234	467	U
108-95-2	Phenol		117	234	467	U
129-00-0	Pyrene		117	234	467	U
88-06-2	2,4,6-Trichlorophenol		117	234	467	Q, U
95-95-4	2,4,5-Trichlorophenol		117	234	467	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	ND		50 - 110	DU
2-Fluorophenol	93.46	ND		20 - 110	DU
Nitrobenzene-d5	46.73	ND		40 - 110	DU
Phenol-d6	93.46	ND		0 - 110	DU
Terphenyl-d14	46.73	ND		50 - 135	DX, U
2,4,6-Tribromophenol	93.46	ND		40 - 125	DU

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13RE1	File ID:	805513D3.D
Sampled:	08/07/12 10:46	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 19:52
Solids:		Preparation:	EXT_3510	Dilution:	1000

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1170	2340	4670	U
208-96-8	Acenaphthylene		1170	2340	4670	U
98-86-2	Acetophenone	31100	1170	2340	4670	D
120-12-7	Anthracene		1170	2340	4670	U
1912-24-9	Atrazine		1170	2340	4670	U
100-52-7	Benzaldehyde		1170	2340	4670	U
92-87-5	Benzidine		11700	46700	93500	Q, U
56-55-3	Benzo(a)anthracene		1170	2340	4670	U
50-32-8	Benzo(a)pyrene		1170	2340	4670	U
205-99-2	Benzo(b)fluoranthene		1170	2340	4670	U
191-24-2	Benzo(g,h,i)perylene		1170	2340	4670	U
65-85-0	Benzoic acid		11700	46700	93500	U
207-08-9	Benzo(k)fluoranthene		1170	2340	4670	U
92-52-4	1,1-Biphenyl		1170	2340	4670	U
101-55-3	4-Bromophenyl-phenylether		1170	2340	4670	U
85-68-7	Butylbenzylphthalate		1170	2340	4670	U
105-60-2	Caprolactam		1170	2340	4670	U
86-74-8	Carbazole		1170	2340	4670	U
59-50-7	4-Chloro-3-methylphenol		1170	2340	4670	U
106-47-8	4-Chloroaniline		1170	2340	4670	U
111-91-1	Bis(2-chloroethoxy)methane		1170	2340	4670	U
111-44-4	Bis(2-chloroethyl)ether		1170	2340	4670	U
108-60-1	2,2'-Oxybis-1-chloropropane		1170	2340	4670	U
91-58-7	2-Chloronaphthalene		1170	2340	4670	U
95-57-8	2-Chlorophenol		1170	2340	4670	U
7005-72-3	4-Chlorophenyl phenyl ether		1170	2340	4670	U
218-01-9	Chrysene		1170	2340	4670	U
53-70-3	Dibenz(a,h)anthracene		1170	2340	4670	U
132-64-9	Dibenzofuran		1170	2340	4670	U
84-74-2	Di-n-butylphthalate		1170	2340	4670	U
91-94-1	3,3'-Dichlorobenzidine		1170	2340	4670	U
120-83-2	2,4-Dichlorophenol		1170	2340	4670	U
84-66-2	Diethylphthalate		1170	2340	4670	U
105-67-9	2,4-Dimethylphenol		4670	9350	18700	U
131-11-3	Dimethyl phthalate		1170	2340	4670	U
534-52-1	4,6-Dinitro-2-methylphenol		4670	9350	18700	Q, U
51-28-5	2,4-Dinitrophenol		7790	23400	46700	Q, U
121-14-2	2,4-Dinitrotoluene		1170	2340	4670	U
606-20-2	2,6-Dinitrotoluene		1170	2340	4670	U
117-84-0	Di-n-octylphthalate		1170	2340	4670	U

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13RE1	File ID:	805513D3.D
Sampled:	08/07/12 10:46	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 19:52
Solids:		Preparation:	EXT_3510	Dilution:	1000

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1170	2340	4670	U
117-81-7	Bis(2-ethylhexyl)phthalate		1170	2340	4670	U
206-44-0	Fluoranthene		1170	2340	4670	U
86-73-7	Fluorene		1170	2340	4670	U
118-74-1	Hexachlorobenzene		1170	2340	4670	U
87-68-3	Hexachlorobutadiene		1170	2340	4670	U
77-47-4	Hexachlorocyclopentadiene		1170	4670	9350	U
67-72-1	Hexachloroethane		1170	2340	4670	U
193-39-5	Indeno(1,2,3-cd)pyrene		1170	2340	4670	U
78-59-1	Isophorone		1170	2340	4670	U
90-12-0	1-Methylnaphthalene		1170	2340	4670	U
91-57-6	2-Methylnaphthalene		1170	2340	4670	U
95-48-7	2-Methylphenol		1170	2340	4670	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1170	2340	4670	U
91-20-3	Naphthalene		1170	2340	4670	U
100-01-6	4-Nitroaniline		4670	9350	18700	U
99-09-2	3-Nitroaniline		4670	9350	18700	U
88-74-4	2-Nitroaniline		4670	9350	18700	Q, U
98-95-3	Nitrobenzene		1170	2340	4670	U
100-02-7	4-Nitrophenol		4670	9350	18700	Q, U
88-75-5	2-Nitrophenol		1170	2340	4670	U
86-30-6	N-Nitrosodiphenylamine		1170	2340	4670	U
621-64-7	N-Nitroso-di-n-propylamine		1170	2340	4670	U
87-86-5	Pentachlorophenol		4670	9350	18700	Q, U
85-01-8	Phenanthrene		1170	2340	4670	U
108-95-2	Phenol		1170	2340	4670	U
129-00-0	Pyrene		1170	2340	4670	U
88-06-2	2,4,6-Trichlorophenol		1170	2340	4670	Q, U
95-95-4	2,4,5-Trichlorophenol		1170	2340	4670	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	ND		50 - 110	DU
2-Fluorophenol	93.46	ND		20 - 110	DU
Nitrobenzene-d5	46.73	ND		40 - 110	DU
Phenol-d6	93.46	ND		0 - 110	DU
Terphenyl-d14	46.73	ND		50 - 135	DX, U
2,4,6-Tribromophenol	93.46	ND		40 - 125	DU

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	0805515.D
Sampled:	08/07/12 12:55	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 17:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Q, 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

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	0805515.D
Sampled:	08/07/12 12:55	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 17:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.27	84.5	50 - 110	
2-Fluorophenol	100.0	37.98	38.0	20 - 110	
Nitrobenzene-d5	50.00	33.93	67.9	40 - 110	
Phenol-d6	100.0	21.19	21.2	0 - 110	
Terphenyl-d14	50.00	47.41	94.8	50 - 135	X
2,4,6-Tribromophenol	100.0	94.11	94.1	40 - 125	

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	0805517.D
Sampled:	08/07/12 10:27	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 17:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Q, 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

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	0805517.D
Sampled:	08/07/12 10:27	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 17:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.60	81.2	50 - 110	
2-Fluorophenol	100.0	21.80	21.8	20 - 110	
Nitrobenzene-d5	50.00	33.50	67.0	40 - 110	
Phenol-d6	100.0	15.88	15.9	0 - 110	
Terphenyl-d14	50.00	47.19	94.4	50 - 135	X
2,4,6-Tribromophenol	100.0	52.06	52.1	40 - 125	

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	0805519.D
Sampled:	08/07/12 10:27	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 18:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	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	Q, 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

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	0805519.D
Sampled:	08/07/12 10:27	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 18:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	Q, U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	Q, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	43.44	88.6	50 - 110	
2-Fluorophenol	98.04	35.20	35.9	20 - 110	
Nitrobenzene-d5	49.02	34.89	71.2	40 - 110	
Phenol-d6	98.04	18.54	18.9	0 - 110	
Terphenyl-d14	49.02	49.07	100	50 - 135	X
2,4,6-Tribromophenol	98.04	87.89	89.6	40 - 125	

ANALYSIS DATA SHEET

GW8056-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21	File ID:	0805521.D
Sampled:	08/07/12 08:20	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	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	Q, 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

GW8056-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21	File ID:	0805521.D
Sampled:	08/07/12 08:20	Prepared:	08/10/12 10:57	Analyzed:	08/21/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H10008 Sequence: 2H23622 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	7.86	1.23	2.45	4.90	
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	Q, U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	Q, U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	Q, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	40.05	81.7	50 - 110	
2-Fluorophenol	98.04	25.70	26.2	20 - 110	
Nitrobenzene-d5	49.02	31.43	64.1	40 - 110	
Phenol-d6	98.04	15.37	15.7	0 - 110	
Terphenyl-d14	49.02	47.29	96.5	50 - 135	X
2,4,6-Tribromophenol	98.04	71.43	72.9	40 - 125	

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01	File ID:	0806501.D
Sampled:	08/08/12 14:58	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 18:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	13.3	1.23	2.45	4.90	
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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	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

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01	File ID:	0806501.D
Sampled:	08/08/12 14:58	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 18:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	1.50	1.23	2.45	4.90	J
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	4.26	1.23	2.45	4.90	J
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	1.93	1.23	2.45	4.90	J
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.42	86.5	50 - 110	
2-Fluorophenol	98.04	24.40	24.9	20 - 110	
Nitrobenzene-d5	49.02	33.09	67.5	40 - 110	
Phenol-d6	98.04	17.78	18.1	0 - 110	
Terphenyl-d14	49.02	38.70	78.9	50 - 135	X
2,4,6-Tribromophenol	98.04	61.80	63.0	40 - 125	

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03	File ID:	0806503.D
Sampled:	08/08/12 14:58	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 19:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	11.6	1.20	2.40	4.81	
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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	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

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03	File ID:	0806503.D
Sampled:	08/08/12 14:58	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 19:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	1.42	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	3.83	1.20	2.40	4.81	J
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	1.75	1.20	2.40	4.81	J
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	35.91	74.7	50 - 110	
2-Fluorophenol	96.15	19.68	20.5	20 - 110	
Nitrobenzene-d5	48.08	30.30	63.0	40 - 110	
Phenol-d6	96.15	15.28	15.9	0 - 110	
Terphenyl-d14	48.08	36.67	76.3	50 - 135	X
2,4,6-Tribromophenol	96.15	62.06	64.5	40 - 125	

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	0806505.D
Sampled:	08/08/12 10:54	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 19:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	3.77	1.20	2.40	4.81	J
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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl	4.41	1.20	2.40	4.81	J
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	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

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	0806505.D
Sampled:	08/08/12 10:54	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 19:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	8.57	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	6.95	1.20	2.40	4.81	
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	9.69	1.20	2.40	4.81	
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	33.80	70.3	50 - 110	
2-Fluorophenol	96.15	17.27	18.0	20 - 110	*
Nitrobenzene-d5	48.08	25.44	52.9	40 - 110	
Phenol-d6	96.15	13.39	13.9	0 - 110	
Terphenyl-d14	48.08	35.37	73.6	50 - 135	X
2,4,6-Tribromophenol	96.15	58.32	60.7	40 - 125	

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	0806507.D
Sampled:	08/07/12 15:19	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 20:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	6.65	1.23	2.45	4.90	
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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	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

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	0806507.D
Sampled:	08/07/12 15:19	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 20:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	35.82	73.1	50 - 110	
2-Fluorophenol	98.04	27.65	28.2	20 - 110	
Nitrobenzene-d5	49.02	31.45	64.2	40 - 110	
Phenol-d6	98.04	16.01	16.3	0 - 110	
Terphenyl-d14	49.02	40.52	82.7	50 - 135	X
2,4,6-Tribromophenol	98.04	82.46	84.1	40 - 125	

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	0806509.D
Sampled:	08/08/12 13:56	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 20:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	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

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	0806509.D
Sampled:	08/08/12 13:56	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 20:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	41.11	83.9	50 - 110	
2-Fluorophenol	98.04	21.86	22.3	20 - 110	
Nitrobenzene-d5	49.02	35.79	73.0	40 - 110	
Phenol-d6	98.04	18.02	18.4	0 - 110	
Terphenyl-d14	49.02	44.17	90.1	50 - 135	X
2,4,6-Tribromophenol	98.04	53.39	54.5	40 - 125	

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	0806511.D
Sampled:	08/08/12 11:32	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 21:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	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

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	0806511.D
Sampled:	08/08/12 11:32	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 21:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	35.99	76.3	50 - 110	
2-Fluorophenol	94.34	26.39	28.0	20 - 110	
Nitrobenzene-d5	47.17	30.65	65.0	40 - 110	
Phenol-d6	94.34	15.99	17.0	0 - 110	
Terphenyl-d14	47.17	39.78	84.3	50 - 135	X
2,4,6-Tribromophenol	94.34	72.30	76.6	40 - 125	

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	0806513.D
Sampled:	08/07/12 15:05	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 21:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	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

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	0806513.D
Sampled:	08/07/12 15:05	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 21:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	41.20	84.0	50 - 110	
2-Fluorophenol	98.04	12.33	12.6	20 - 110	*
Nitrobenzene-d5	49.02	36.72	74.9	40 - 110	
Phenol-d6	98.04	16.22	16.5	0 - 110	
Terphenyl-d14	49.02	46.19	94.2	50 - 135	X
2,4,6-Tribromophenol	98.04	23.13	23.6	40 - 125	*

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15	File ID:	0806515.D
Sampled:	08/08/12 08:20	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 22:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	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

GW8057-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15	File ID:	0806515.D
Sampled:	08/08/12 08:20	Prepared:	08/14/12 14:23	Analyzed:	08/24/12 22:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H13023 Sequence: 2H24014 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	9.20	1.23	2.45	4.90	
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	1.43	1.23	2.45	4.90	J
91-57-6	2-Methylnaphthalene	1.80	1.23	2.45	4.90	J
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	38.19	77.9	50 - 110	
2-Fluorophenol	98.04	27.19	27.7	20 - 110	
Nitrobenzene-d5	49.02	30.37	62.0	40 - 110	
Phenol-d6	98.04	15.45	15.8	0 - 110	
Terphenyl-d14	49.02	47.64	97.2	50 - 135	X
2,4,6-Tribromophenol	98.04	88.22	90.0	40 - 125	

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01	File ID:	0807801D.D
Sampled:	08/09/12 14:47	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 18:31
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.5	25.0	50.0	U
208-96-8	Acenaphthylene		12.5	25.0	50.0	U
98-86-2	Acetophenone	789	12.5	25.0	50.0	D
120-12-7	Anthracene		12.5	25.0	50.0	U
1912-24-9	Atrazine		12.5	25.0	50.0	U
100-52-7	Benzaldehyde		12.5	25.0	50.0	U
92-87-5	Benzidine		125	500	1000	U
56-55-3	Benzo(a)anthracene		12.5	25.0	50.0	U
50-32-8	Benzo(a)pyrene		12.5	25.0	50.0	U
205-99-2	Benzo(b)fluoranthene		12.5	25.0	50.0	U
191-24-2	Benzo(g,h,i)perylene		12.5	25.0	50.0	U
65-85-0	Benzoic acid		125	500	1000	U
207-08-9	Benzo(k)fluoranthene		12.5	25.0	50.0	U
92-52-4	1,1-Biphenyl	15.3	12.5	25.0	50.0	J, D
101-55-3	4-Bromophenyl-phenylether		12.5	25.0	50.0	U
85-68-7	Butylbenzylphthalate		12.5	25.0	50.0	U
105-60-2	Caprolactam		12.5	25.0	50.0	U
86-74-8	Carbazole		12.5	25.0	50.0	U
59-50-7	4-Chloro-3-methylphenol		12.5	25.0	50.0	U
106-47-8	4-Chloroaniline		12.5	25.0	50.0	U
111-91-1	Bis(2-chloroethoxy)methane		12.5	25.0	50.0	U
111-44-4	Bis(2-chloroethyl)ether		12.5	25.0	50.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.5	25.0	50.0	U
91-58-7	2-Chloronaphthalene		12.5	25.0	50.0	U
95-57-8	2-Chlorophenol		12.5	25.0	50.0	U
7005-72-3	4-Chlorophenyl phenyl ether		12.5	25.0	50.0	U
218-01-9	Chrysene		12.5	25.0	50.0	U
53-70-3	Dibenz(a,h)anthracene		12.5	25.0	50.0	U
132-64-9	Dibenzofuran		12.5	25.0	50.0	U
84-74-2	Di-n-butylphthalate		12.5	25.0	50.0	U
91-94-1	3,3'-Dichlorobenzidine		12.5	25.0	50.0	U
120-83-2	2,4-Dichlorophenol		12.5	25.0	50.0	U
84-66-2	Diethylphthalate		12.5	25.0	50.0	U
105-67-9	2,4-Dimethylphenol	306	50.0	100	200	D
131-11-3	Dimethyl phthalate		12.5	25.0	50.0	U
534-52-1	4,6-Dinitro-2-methylphenol		50.0	100	200	U
51-28-5	2,4-Dinitrophenol		83.3	250	500	U
121-14-2	2,4-Dinitrotoluene		12.5	25.0	50.0	U
606-20-2	2,6-Dinitrotoluene		12.5	25.0	50.0	U
117-84-0	Di-n-octylphthalate		12.5	25.0	50.0	U

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01	File ID:	0807801D.D
Sampled:	08/09/12 14:47	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 18:31
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.5	25.0	50.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.5	25.0	50.0	U
206-44-0	Fluoranthene		12.5	25.0	50.0	U
86-73-7	Fluorene		12.5	25.0	50.0	U
118-74-1	Hexachlorobenzene		12.5	25.0	50.0	U
87-68-3	Hexachlorobutadiene		12.5	25.0	50.0	U
77-47-4	Hexachlorocyclopentadiene		12.5	50.0	100	U
67-72-1	Hexachloroethane		12.5	25.0	50.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.5	25.0	50.0	U
78-59-1	Isophorone		12.5	25.0	50.0	U
90-12-0	1-Methylnaphthalene	71.2	12.5	25.0	50.0	D
91-57-6	2-Methylnaphthalene	65.0	12.5	25.0	50.0	D
95-48-7	2-Methylphenol	151	12.5	25.0	50.0	D
108-39-4/106	3-Methylphenol/4-Methylphenol	24.2	12.5	25.0	50.0	J, D
91-20-3	Naphthalene	42.2	12.5	25.0	50.0	J, D
100-01-6	4-Nitroaniline		50.0	100	200	U
99-09-2	3-Nitroaniline		50.0	100	200	U
88-74-4	2-Nitroaniline		50.0	100	200	U
98-95-3	Nitrobenzene		12.5	25.0	50.0	U
100-02-7	4-Nitrophenol		50.0	100	200	U
88-75-5	2-Nitrophenol		12.5	25.0	50.0	U
86-30-6	N-Nitrosodiphenylamine		12.5	25.0	50.0	U
621-64-7	N-Nitroso-di-n-propylamine		12.5	25.0	50.0	U
87-86-5	Pentachlorophenol		50.0	100	200	U
85-01-8	Phenanthrene		12.5	25.0	50.0	U
108-95-2	Phenol		12.5	25.0	50.0	U
129-00-0	Pyrene		12.5	25.0	50.0	U
88-06-2	2,4,6-Trichlorophenol		12.5	25.0	50.0	U
95-95-4	2,4,5-Trichlorophenol		12.5	25.0	50.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.07	76.1	50 - 110	
2-Fluorophenol	100.0	ND		20 - 110	*U
Nitrobenzene-d5	50.00	30.61	61.2	40 - 110	
Phenol-d6	100.0	ND		0 - 110	U
Terphenyl-d14	50.00	35.11	70.2	50 - 135	X
2,4,6-Tribromophenol	100.0	32.71	32.7	40 - 125	*

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03	File ID:	0807803D.D
Sampled:	08/09/12 14:01	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 18:59
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.3	24.5	49.0	U
208-96-8	Acenaphthylene		12.3	24.5	49.0	U
98-86-2	Acetophenone	218	12.3	24.5	49.0	D
120-12-7	Anthracene		12.3	24.5	49.0	U
1912-24-9	Atrazine		12.3	24.5	49.0	U
100-52-7	Benzaldehyde		12.3	24.5	49.0	U
92-87-5	Benzidine		123	490	980	U
56-55-3	Benzo(a)anthracene		12.3	24.5	49.0	U
50-32-8	Benzo(a)pyrene		12.3	24.5	49.0	U
205-99-2	Benzo(b)fluoranthene		12.3	24.5	49.0	U
191-24-2	Benzo(g,h,i)perylene		12.3	24.5	49.0	U
65-85-0	Benzoic acid		123	490	980	U
207-08-9	Benzo(k)fluoranthene		12.3	24.5	49.0	U
92-52-4	1,1-Biphenyl		12.3	24.5	49.0	U
101-55-3	4-Bromophenyl-phenylether		12.3	24.5	49.0	U
85-68-7	Butylbenzylphthalate		12.3	24.5	49.0	U
105-60-2	Caprolactam		12.3	24.5	49.0	U
86-74-8	Carbazole		12.3	24.5	49.0	U
59-50-7	4-Chloro-3-methylphenol		12.3	24.5	49.0	U
106-47-8	4-Chloroaniline		12.3	24.5	49.0	U
111-91-1	Bis(2-chloroethoxy)methane		12.3	24.5	49.0	U
111-44-4	Bis(2-chloroethyl)ether		12.3	24.5	49.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.3	24.5	49.0	U
91-58-7	2-Chloronaphthalene		12.3	24.5	49.0	U
95-57-8	2-Chlorophenol		12.3	24.5	49.0	U
7005-72-3	4-Chlorophenyl phenyl ether		12.3	24.5	49.0	U
218-01-9	Chrysene		12.3	24.5	49.0	U
53-70-3	Dibenz(a,h)anthracene		12.3	24.5	49.0	U
132-64-9	Dibenzofuran		12.3	24.5	49.0	U
84-74-2	Di-n-butylphthalate		12.3	24.5	49.0	U
91-94-1	3,3'-Dichlorobenzidine		12.3	24.5	49.0	U
120-83-2	2,4-Dichlorophenol		12.3	24.5	49.0	U
84-66-2	Diethylphthalate		12.3	24.5	49.0	U
105-67-9	2,4-Dimethylphenol		49.0	98.0	196	U
131-11-3	Dimethyl phthalate		12.3	24.5	49.0	U
534-52-1	4,6-Dinitro-2-methylphenol		49.0	98.0	196	U
51-28-5	2,4-Dinitrophenol		81.7	245	490	U
121-14-2	2,4-Dinitrotoluene		12.3	24.5	49.0	U
606-20-2	2,6-Dinitrotoluene		12.3	24.5	49.0	U
117-84-0	Di-n-octylphthalate		12.3	24.5	49.0	U

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03	File ID:	0807803D.D
Sampled:	08/09/12 14:01	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 18:59
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.3	24.5	49.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.3	24.5	49.0	U
206-44-0	Fluoranthene		12.3	24.5	49.0	U
86-73-7	Fluorene		12.3	24.5	49.0	U
118-74-1	Hexachlorobenzene		12.3	24.5	49.0	U
87-68-3	Hexachlorobutadiene		12.3	24.5	49.0	U
77-47-4	Hexachlorocyclopentadiene		12.3	49.0	98.0	U
67-72-1	Hexachloroethane		12.3	24.5	49.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.3	24.5	49.0	U
78-59-1	Isophorone		12.3	24.5	49.0	U
90-12-0	1-Methylnaphthalene	19.2	12.3	24.5	49.0	J, D
91-57-6	2-Methylnaphthalene	22.7	12.3	24.5	49.0	J, D
95-48-7	2-Methylphenol	63.1	12.3	24.5	49.0	D
108-39-4/106	3-Methylphenol/4-Methylphenol	65.9	12.3	24.5	49.0	D
91-20-3	Naphthalene	58.8	12.3	24.5	49.0	D
100-01-6	4-Nitroaniline		49.0	98.0	196	U
99-09-2	3-Nitroaniline		49.0	98.0	196	U
88-74-4	2-Nitroaniline		49.0	98.0	196	U
98-95-3	Nitrobenzene		12.3	24.5	49.0	U
100-02-7	4-Nitrophenol		49.0	98.0	196	U
88-75-5	2-Nitrophenol		12.3	24.5	49.0	U
86-30-6	N-Nitrosodiphenylamine		12.3	24.5	49.0	U
621-64-7	N-Nitroso-di-n-propylamine		12.3	24.5	49.0	U
87-86-5	Pentachlorophenol		49.0	98.0	196	U
85-01-8	Phenanthrene		12.3	24.5	49.0	U
108-95-2	Phenol		12.3	24.5	49.0	U
129-00-0	Pyrene		12.3	24.5	49.0	U
88-06-2	2,4,6-Trichlorophenol		12.3	24.5	49.0	U
95-95-4	2,4,5-Trichlorophenol		12.3	24.5	49.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	25.59	52.2	50 - 110	
2-Fluorophenol	98.04	ND		20 - 110	*U
Nitrobenzene-d5	49.02	23.05	47.0	40 - 110	
Phenol-d6	98.04	ND		0 - 110	U
Terphenyl-d14	49.02	19.87	40.5	50 - 135	*X
2,4,6-Tribromophenol	98.04	ND		40 - 125	*U

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05	File ID:	0807805D.D
Sampled:	08/09/12 10:48	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 19:26
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		11.8	23.6	47.2	U
208-96-8	Acenaphthylene		11.8	23.6	47.2	U
98-86-2	Acetophenone	4640	11.8	23.6	47.2	E, D
120-12-7	Anthracene		11.8	23.6	47.2	U
1912-24-9	Atrazine		11.8	23.6	47.2	U
100-52-7	Benzaldehyde		11.8	23.6	47.2	U
92-87-5	Benzidine		118	472	943	U
56-55-3	Benzo(a)anthracene		11.8	23.6	47.2	U
50-32-8	Benzo(a)pyrene		11.8	23.6	47.2	U
205-99-2	Benzo(b)fluoranthene		11.8	23.6	47.2	U
191-24-2	Benzo(g,h,i)perylene		11.8	23.6	47.2	U
65-85-0	Benzoic acid		118	472	943	U
207-08-9	Benzo(k)fluoranthene		11.8	23.6	47.2	U
92-52-4	1,1-Biphenyl		11.8	23.6	47.2	U
101-55-3	4-Bromophenyl-phenylether		11.8	23.6	47.2	U
85-68-7	Butylbenzylphthalate		11.8	23.6	47.2	U
105-60-2	Caprolactam		11.8	23.6	47.2	U
86-74-8	Carbazole		11.8	23.6	47.2	U
59-50-7	4-Chloro-3-methylphenol		11.8	23.6	47.2	U
106-47-8	4-Chloroaniline		11.8	23.6	47.2	U
111-91-1	Bis(2-chloroethoxy)methane		11.8	23.6	47.2	U
111-44-4	Bis(2-chloroethyl)ether		11.8	23.6	47.2	U
108-60-1	2,2'-Oxybis-1-chloropropane		11.8	23.6	47.2	U
91-58-7	2-Chloronaphthalene		11.8	23.6	47.2	U
95-57-8	2-Chlorophenol		11.8	23.6	47.2	U
7005-72-3	4-Chlorophenyl phenyl ether		11.8	23.6	47.2	U
218-01-9	Chrysene		11.8	23.6	47.2	U
53-70-3	Dibenz(a,h)anthracene		11.8	23.6	47.2	U
132-64-9	Dibenzofuran		11.8	23.6	47.2	U
84-74-2	Di-n-butylphthalate		11.8	23.6	47.2	U
91-94-1	3,3'-Dichlorobenzidine		11.8	23.6	47.2	U
120-83-2	2,4-Dichlorophenol		11.8	23.6	47.2	U
84-66-2	Diethylphthalate		11.8	23.6	47.2	U
105-67-9	2,4-Dimethylphenol		47.2	94.3	189	U
131-11-3	Dimethyl phthalate		11.8	23.6	47.2	U
534-52-1	4,6-Dinitro-2-methylphenol		47.2	94.3	189	U
51-28-5	2,4-Dinitrophenol		78.6	236	472	U
121-14-2	2,4-Dinitrotoluene		11.8	23.6	47.2	U
606-20-2	2,6-Dinitrotoluene		11.8	23.6	47.2	U
117-84-0	Di-n-octylphthalate		11.8	23.6	47.2	U

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05	File ID:	0807805D.D
Sampled:	08/09/12 10:48	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 19:26
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		11.8	23.6	47.2	U
117-81-7	Bis(2-ethylhexyl)phthalate		11.8	23.6	47.2	U
206-44-0	Fluoranthene		11.8	23.6	47.2	U
86-73-7	Fluorene		11.8	23.6	47.2	U
118-74-1	Hexachlorobenzene		11.8	23.6	47.2	U
87-68-3	Hexachlorobutadiene		11.8	23.6	47.2	U
77-47-4	Hexachlorocyclopentadiene		11.8	47.2	94.3	U
67-72-1	Hexachloroethane		11.8	23.6	47.2	U
193-39-5	Indeno(1,2,3-cd)pyrene		11.8	23.6	47.2	U
78-59-1	Isophorone		11.8	23.6	47.2	U
90-12-0	1-Methylnaphthalene	29.2	11.8	23.6	47.2	J, D
91-57-6	2-Methylnaphthalene	30.3	11.8	23.6	47.2	J, D
95-48-7	2-Methylphenol		11.8	23.6	47.2	U
108-39-4/106	3-Methylphenol/4-Methylphenol		11.8	23.6	47.2	U
91-20-3	Naphthalene	86.5	11.8	23.6	47.2	D
100-01-6	4-Nitroaniline		47.2	94.3	189	U
99-09-2	3-Nitroaniline		47.2	94.3	189	U
88-74-4	2-Nitroaniline		47.2	94.3	189	U
98-95-3	Nitrobenzene		11.8	23.6	47.2	U
100-02-7	4-Nitrophenol		47.2	94.3	189	U
88-75-5	2-Nitrophenol		11.8	23.6	47.2	U
86-30-6	N-Nitrosodiphenylamine		11.8	23.6	47.2	U
621-64-7	N-Nitroso-di-n-propylamine		11.8	23.6	47.2	U
87-86-5	Pentachlorophenol		47.2	94.3	189	U
85-01-8	Phenanthrene		11.8	23.6	47.2	U
108-95-2	Phenol		11.8	23.6	47.2	U
129-00-0	Pyrene		11.8	23.6	47.2	U
88-06-2	2,4,6-Trichlorophenol		11.8	23.6	47.2	U
95-95-4	2,4,5-Trichlorophenol		11.8	23.6	47.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	34.56	73.3	50 - 110	
2-Fluorophenol	94.34	ND		20 - 110	*U
Nitrobenzene-d5	47.17	33.08	70.1	40 - 110	
Phenol-d6	94.34	14.31	15.2	0 - 110	
Terphenyl-d14	47.17	31.31	66.4	50 - 135	X
2,4,6-Tribromophenol	94.34	32.44	34.4	40 - 125	*

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05RE1	File ID:	0807805D.D
Sampled:	08/09/12 10:48	Prepared:	08/15/12 11:42	Analyzed:	08/28/12 08:45
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H14019 Sequence: 2H24201 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		118	236	472	U
208-96-8	Acenaphthylene		118	236	472	U
98-86-2	Acetophenone	8030	118	236	472	D
120-12-7	Anthracene		118	236	472	U
1912-24-9	Atrazine		118	236	472	U
100-52-7	Benzaldehyde		118	236	472	U
92-87-5	Benzidine		1180	4720	9430	U
56-55-3	Benzo(a)anthracene		118	236	472	U
50-32-8	Benzo(a)pyrene		118	236	472	U
205-99-2	Benzo(b)fluoranthene		118	236	472	U
191-24-2	Benzo(g,h,i)perylene		118	236	472	U
65-85-0	Benzoic acid		1180	4720	9430	U
207-08-9	Benzo(k)fluoranthene		118	236	472	U
92-52-4	1,1-Biphenyl		118	236	472	U
101-55-3	4-Bromophenyl-phenylether		118	236	472	U
85-68-7	Butylbenzylphthalate		118	236	472	U
105-60-2	Caprolactam		118	236	472	U
86-74-8	Carbazole		118	236	472	U
59-50-7	4-Chloro-3-methylphenol		118	236	472	U
106-47-8	4-Chloroaniline		118	236	472	U
111-91-1	Bis(2-chloroethoxy)methane		118	236	472	U
111-44-4	Bis(2-chloroethyl)ether		118	236	472	U
108-60-1	2,2'-Oxybis-1-chloropropane		118	236	472	U
91-58-7	2-Chloronaphthalene		118	236	472	U
95-57-8	2-Chlorophenol		118	236	472	U
7005-72-3	4-Chlorophenyl phenyl ether		118	236	472	U
218-01-9	Chrysene		118	236	472	U
53-70-3	Dibenz(a,h)anthracene		118	236	472	U
132-64-9	Dibenzofuran		118	236	472	U
84-74-2	Di-n-butylphthalate		118	236	472	U
91-94-1	3,3'-Dichlorobenzidine		118	236	472	U
120-83-2	2,4-Dichlorophenol		118	236	472	U
84-66-2	Diethylphthalate		118	236	472	U
105-67-9	2,4-Dimethylphenol		472	943	1890	U
131-11-3	Dimethyl phthalate		118	236	472	U
534-52-1	4,6-Dinitro-2-methylphenol		472	943	1890	U
51-28-5	2,4-Dinitrophenol		786	2360	4720	U
121-14-2	2,4-Dinitrotoluene		118	236	472	U
606-20-2	2,6-Dinitrotoluene		118	236	472	U
117-84-0	Di-n-octylphthalate		118	236	472	U

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05RE1	File ID:	0807805D.D
Sampled:	08/09/12 10:48	Prepared:	08/15/12 11:42	Analyzed:	08/28/12 08:45
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H14019 Sequence: 2H24201 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		118	236	472	U
117-81-7	Bis(2-ethylhexyl)phthalate		118	236	472	U
206-44-0	Fluoranthene		118	236	472	U
86-73-7	Fluorene		118	236	472	U
118-74-1	Hexachlorobenzene		118	236	472	U
87-68-3	Hexachlorobutadiene		118	236	472	U
77-47-4	Hexachlorocyclopentadiene		118	472	943	U
67-72-1	Hexachloroethane		118	236	472	U
193-39-5	Indeno(1,2,3-cd)pyrene		118	236	472	U
78-59-1	Isophorone		118	236	472	U
90-12-0	1-Methylnaphthalene		118	236	472	U
91-57-6	2-Methylnaphthalene		118	236	472	U
95-48-7	2-Methylphenol		118	236	472	U
108-39-4/106	3-Methylphenol/4-Methylphenol		118	236	472	U
91-20-3	Naphthalene		118	236	472	U
100-01-6	4-Nitroaniline		472	943	1890	U
99-09-2	3-Nitroaniline		472	943	1890	U
88-74-4	2-Nitroaniline		472	943	1890	U
98-95-3	Nitrobenzene		118	236	472	U
100-02-7	4-Nitrophenol		472	943	1890	U
88-75-5	2-Nitrophenol		118	236	472	U
86-30-6	N-Nitrosodiphenylamine		118	236	472	U
621-64-7	N-Nitroso-di-n-propylamine		118	236	472	U
87-86-5	Pentachlorophenol		472	943	1890	U
85-01-8	Phenanthrene		118	236	472	U
108-95-2	Phenol		118	236	472	U
129-00-0	Pyrene		118	236	472	U
88-06-2	2,4,6-Trichlorophenol		118	236	472	U
95-95-4	2,4,5-Trichlorophenol		118	236	472	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	ND		50 - 110	DU
2-Fluorophenol	94.34	ND		20 - 110	DU
Nitrobenzene-d5	47.17	ND		40 - 110	DU
Phenol-d6	94.34	ND		0 - 110	DU
Terphenyl-d14	47.17	ND		50 - 135	DX, U
2,4,6-Tribromophenol	94.34	ND		40 - 125	DU

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07	File ID:	0807807D.D
Sampled:	08/08/12 16:48	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 19:53
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		11.8	23.6	47.2	U
208-96-8	Acenaphthylene		11.8	23.6	47.2	U
98-86-2	Acetophenone	4170	11.8	23.6	47.2	D, E
120-12-7	Anthracene		11.8	23.6	47.2	U
1912-24-9	Atrazine		11.8	23.6	47.2	U
100-52-7	Benzaldehyde		11.8	23.6	47.2	U
92-87-5	Benzidine		118	472	943	U
56-55-3	Benzo(a)anthracene		11.8	23.6	47.2	U
50-32-8	Benzo(a)pyrene		11.8	23.6	47.2	U
205-99-2	Benzo(b)fluoranthene		11.8	23.6	47.2	U
191-24-2	Benzo(g,h,i)perylene		11.8	23.6	47.2	U
65-85-0	Benzoic acid		118	472	943	U
207-08-9	Benzo(k)fluoranthene		11.8	23.6	47.2	U
92-52-4	1,1-Biphenyl		11.8	23.6	47.2	U
101-55-3	4-Bromophenyl-phenylether		11.8	23.6	47.2	U
85-68-7	Butylbenzylphthalate		11.8	23.6	47.2	U
105-60-2	Caprolactam		11.8	23.6	47.2	U
86-74-8	Carbazole		11.8	23.6	47.2	U
59-50-7	4-Chloro-3-methylphenol		11.8	23.6	47.2	U
106-47-8	4-Chloroaniline		11.8	23.6	47.2	U
111-91-1	Bis(2-chloroethoxy)methane		11.8	23.6	47.2	U
111-44-4	Bis(2-chloroethyl)ether		11.8	23.6	47.2	U
108-60-1	2,2'-Oxybis-1-chloropropane		11.8	23.6	47.2	U
91-58-7	2-Chloronaphthalene		11.8	23.6	47.2	U
95-57-8	2-Chlorophenol		11.8	23.6	47.2	U
7005-72-3	4-Chlorophenyl phenyl ether		11.8	23.6	47.2	U
218-01-9	Chrysene		11.8	23.6	47.2	U
53-70-3	Dibenz(a,h)anthracene		11.8	23.6	47.2	U
132-64-9	Dibenzofuran		11.8	23.6	47.2	U
84-74-2	Di-n-butylphthalate		11.8	23.6	47.2	U
91-94-1	3,3'-Dichlorobenzidine		11.8	23.6	47.2	U
120-83-2	2,4-Dichlorophenol		11.8	23.6	47.2	U
84-66-2	Diethylphthalate		11.8	23.6	47.2	U
105-67-9	2,4-Dimethylphenol		47.2	94.3	189	U
131-11-3	Dimethyl phthalate		11.8	23.6	47.2	U
534-52-1	4,6-Dinitro-2-methylphenol		47.2	94.3	189	U
51-28-5	2,4-Dinitrophenol		78.6	236	472	U
121-14-2	2,4-Dinitrotoluene		11.8	23.6	47.2	U
606-20-2	2,6-Dinitrotoluene		11.8	23.6	47.2	U
117-84-0	Di-n-octylphthalate		11.8	23.6	47.2	U

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07	File ID:	0807807D.D
Sampled:	08/08/12 16:48	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 19:53
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		11.8	23.6	47.2	U
117-81-7	Bis(2-ethylhexyl)phthalate		11.8	23.6	47.2	U
206-44-0	Fluoranthene		11.8	23.6	47.2	U
86-73-7	Fluorene		11.8	23.6	47.2	U
118-74-1	Hexachlorobenzene		11.8	23.6	47.2	U
87-68-3	Hexachlorobutadiene		11.8	23.6	47.2	U
77-47-4	Hexachlorocyclopentadiene		11.8	47.2	94.3	U
67-72-1	Hexachloroethane		11.8	23.6	47.2	U
193-39-5	Indeno(1,2,3-cd)pyrene		11.8	23.6	47.2	U
78-59-1	Isophorone		11.8	23.6	47.2	U
90-12-0	1-Methylnaphthalene	22.2	11.8	23.6	47.2	J, D
91-57-6	2-Methylnaphthalene	15.6	11.8	23.6	47.2	J, D
95-48-7	2-Methylphenol		11.8	23.6	47.2	U
108-39-4/106	3-Methylphenol/4-Methylphenol		11.8	23.6	47.2	U
91-20-3	Naphthalene	42.4	11.8	23.6	47.2	J, D
100-01-6	4-Nitroaniline		47.2	94.3	189	U
99-09-2	3-Nitroaniline		47.2	94.3	189	U
88-74-4	2-Nitroaniline		47.2	94.3	189	U
98-95-3	Nitrobenzene		11.8	23.6	47.2	U
100-02-7	4-Nitrophenol		47.2	94.3	189	U
88-75-5	2-Nitrophenol		11.8	23.6	47.2	U
86-30-6	N-Nitrosodiphenylamine		11.8	23.6	47.2	U
621-64-7	N-Nitroso-di-n-propylamine		11.8	23.6	47.2	U
87-86-5	Pentachlorophenol		47.2	94.3	189	U
85-01-8	Phenanthrene		11.8	23.6	47.2	U
108-95-2	Phenol		11.8	23.6	47.2	U
129-00-0	Pyrene		11.8	23.6	47.2	U
88-06-2	2,4,6-Trichlorophenol		11.8	23.6	47.2	U
95-95-4	2,4,5-Trichlorophenol		11.8	23.6	47.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	32.68	69.3	50 - 110	
2-Fluorophenol	94.34	17.64	18.7	20 - 110	*
Nitrobenzene-d5	47.17	31.77	67.4	40 - 110	
Phenol-d6	94.34	20.48	21.7	0 - 110	
Terphenyl-d14	47.17	26.89	57.0	50 - 135	X
2,4,6-Tribromophenol	94.34	53.39	56.6	40 - 125	

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07RE1	File ID:	0807807D.D
Sampled:	08/08/12 16:48	Prepared:	08/15/12 11:42	Analyzed:	08/28/12 09:12
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H14019 Sequence: 2H24201 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		118	236	472	U
208-96-8	Acenaphthylene		118	236	472	U
98-86-2	Acetophenone	5500	118	236	472	D
120-12-7	Anthracene		118	236	472	U
1912-24-9	Atrazine		118	236	472	U
100-52-7	Benzaldehyde		118	236	472	U
92-87-5	Benzidine		1180	4720	9430	U
56-55-3	Benzo(a)anthracene		118	236	472	U
50-32-8	Benzo(a)pyrene		118	236	472	U
205-99-2	Benzo(b)fluoranthene		118	236	472	U
191-24-2	Benzo(g,h,i)perylene		118	236	472	U
65-85-0	Benzoic acid		1180	4720	9430	U
207-08-9	Benzo(k)fluoranthene		118	236	472	U
92-52-4	1,1-Biphenyl		118	236	472	U
101-55-3	4-Bromophenyl-phenylether		118	236	472	U
85-68-7	Butylbenzylphthalate		118	236	472	U
105-60-2	Caprolactam		118	236	472	U
86-74-8	Carbazole		118	236	472	U
59-50-7	4-Chloro-3-methylphenol		118	236	472	U
106-47-8	4-Chloroaniline		118	236	472	U
111-91-1	Bis(2-chloroethoxy)methane		118	236	472	U
111-44-4	Bis(2-chloroethyl)ether		118	236	472	U
108-60-1	2,2'-Oxybis-1-chloropropane		118	236	472	U
91-58-7	2-Chloronaphthalene		118	236	472	U
95-57-8	2-Chlorophenol		118	236	472	U
7005-72-3	4-Chlorophenyl phenyl ether		118	236	472	U
218-01-9	Chrysene		118	236	472	U
53-70-3	Dibenz(a,h)anthracene		118	236	472	U
132-64-9	Dibenzofuran		118	236	472	U
84-74-2	Di-n-butylphthalate		118	236	472	U
91-94-1	3,3'-Dichlorobenzidine		118	236	472	U
120-83-2	2,4-Dichlorophenol		118	236	472	U
84-66-2	Diethylphthalate		118	236	472	U
105-67-9	2,4-Dimethylphenol		472	943	1890	U
131-11-3	Dimethyl phthalate		118	236	472	U
534-52-1	4,6-Dinitro-2-methylphenol		472	943	1890	U
51-28-5	2,4-Dinitrophenol		786	2360	4720	U
121-14-2	2,4-Dinitrotoluene		118	236	472	U
606-20-2	2,6-Dinitrotoluene		118	236	472	U
117-84-0	Di-n-octylphthalate		118	236	472	U

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07RE1	File ID:	0807807D.D
Sampled:	08/08/12 16:48	Prepared:	08/15/12 11:42	Analyzed:	08/28/12 09:12
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2H14019 Sequence: 2H24201 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		118	236	472	U
117-81-7	Bis(2-ethylhexyl)phthalate		118	236	472	U
206-44-0	Fluoranthene		118	236	472	U
86-73-7	Fluorene		118	236	472	U
118-74-1	Hexachlorobenzene		118	236	472	U
87-68-3	Hexachlorobutadiene		118	236	472	U
77-47-4	Hexachlorocyclopentadiene		118	472	943	U
67-72-1	Hexachloroethane		118	236	472	U
193-39-5	Indeno(1,2,3-cd)pyrene		118	236	472	U
78-59-1	Isophorone		118	236	472	U
90-12-0	1-Methylnaphthalene		118	236	472	U
91-57-6	2-Methylnaphthalene		118	236	472	U
95-48-7	2-Methylphenol		118	236	472	U
108-39-4/106	3-Methylphenol/4-Methylphenol		118	236	472	U
91-20-3	Naphthalene		118	236	472	U
100-01-6	4-Nitroaniline		472	943	1890	U
99-09-2	3-Nitroaniline		472	943	1890	U
88-74-4	2-Nitroaniline		472	943	1890	U
98-95-3	Nitrobenzene		118	236	472	U
100-02-7	4-Nitrophenol		472	943	1890	U
88-75-5	2-Nitrophenol		118	236	472	U
86-30-6	N-Nitrosodiphenylamine		118	236	472	U
621-64-7	N-Nitroso-di-n-propylamine		118	236	472	U
87-86-5	Pentachlorophenol		472	943	1890	U
85-01-8	Phenanthrene		118	236	472	U
108-95-2	Phenol		118	236	472	U
129-00-0	Pyrene		118	236	472	U
88-06-2	2,4,6-Trichlorophenol		118	236	472	U
95-95-4	2,4,5-Trichlorophenol		118	236	472	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	ND		50 - 110	DU
2-Fluorophenol	94.34	ND		20 - 110	DU
Nitrobenzene-d5	47.17	ND		40 - 110	DU
Phenol-d6	94.34	ND		0 - 110	DU
Terphenyl-d14	47.17	ND		50 - 135	DX, U
2,4,6-Tribromophenol	94.34	ND		40 - 125	DU

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	0807809.D
Sampled:	08/09/12 11:02	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 20:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H14019 Sequence: 2H24101 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

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	0807809.D
Sampled:	08/09/12 11:02	Prepared:	08/15/12 11:42	Analyzed:	08/27/12 20:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H14019 Sequence: 2H24101 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	37.42	74.8	50 - 110	
2-Fluorophenol	100.0	31.32	31.3	20 - 110	
Nitrobenzene-d5	50.00	30.80	61.6	40 - 110	
Phenol-d6	100.0	17.71	17.7	0 - 110	
Terphenyl-d14	50.00	46.79	93.6	50 - 135	X
2,4,6-Tribromophenol	100.0	97.33	97.3	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23622-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/21/12 11:16		
2-Fluorobiphenyl	50.00	109	80 - 120	8.186	8.186	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.538	3.538	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	88.2	80 - 120	5.84	5.84	0.0000	+/-0.500	
Phenol-d6	100.0	97.1	80 - 120	4.684	4.684	0.0000	+/-0.500	
Terphenyl-d14	50.00	121	80 - 120	12.751	12.751	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	109	80 - 120	9.986	9.986	0.0000	+/-0.500	
Blank (2H10008-BLK1) ug/L				Lab File ID: H10008B1.D		Analyzed: 08/21/12 12:10		
2-Fluorobiphenyl	50.00	76.0	50 - 110	8.188	8.186	0.0020	+/-0.500	
2-Fluorophenol	100.0	28.6	20 - 110	3.544	3.538	0.0060	+/-0.500	
Nitrobenzene-d5	50.00	60.3	40 - 110	5.846	5.84	0.0060	+/-0.500	
Phenol-d6	100.0	19.1	0 - 110	4.681	4.684	-0.0030	+/-0.500	
Terphenyl-d14	50.00	86.7	50 - 135	12.757	12.751	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	63.3	40 - 125	9.987	9.986	0.0010	+/-0.500	
LCS (2H10008-BS1) ug/L				Lab File ID: H10008L1.D		Analyzed: 08/21/12 12:37		
2-Fluorobiphenyl	50.00	96.6	50 - 110	8.192	8.186	0.0060	+/-0.500	
2-Fluorophenol	100.0	47.0	20 - 110	3.549	3.538	0.0110	+/-0.500	
Nitrobenzene-d5	50.00	81.9	40 - 110	5.845	5.84	0.0050	+/-0.500	
Phenol-d6	100.0	25.7	0 - 110	4.682	4.684	-0.0020	+/-0.500	
Terphenyl-d14	50.00	96.9	50 - 135	12.75	12.751	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	95.8	40 - 125	9.992	9.986	0.0060	+/-0.500	
LCS Dup (2H10008-BSD1) ug/L				Lab File ID: H10008L2.D		Analyzed: 08/21/12 13:05		
2-Fluorobiphenyl	50.00	94.0	50 - 110	8.185	8.186	-0.0010	+/-0.500	
2-Fluorophenol	100.0	37.2	20 - 110	3.547	3.538	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	73.8	40 - 110	5.839	5.84	-0.0010	+/-0.500	
Phenol-d6	100.0	24.8	0 - 110	4.684	4.684	0.0000	+/-0.500	
Terphenyl-d14	50.00	97.7	50 - 135	12.751	12.751	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	80.4	40 - 125	9.991	9.986	0.0050	+/-0.500	
GW0687 (1208055-01) ug/L				Lab File ID: 0805501D.D		Analyzed: 08/21/12 13:32		
2-Fluorobiphenyl	50.00	89.1	50 - 110	8.194	8.186	0.0080	+/-0.500	
2-Fluorophenol	100.0	21.6	20 - 110	3.554	3.538	0.0160	+/-0.500	
Nitrobenzene-d5	50.00	72.1	40 - 110	5.852	5.84	0.0120	+/-0.500	
Phenol-d6	100.0	45.1	0 - 110	4.749	4.684	0.0650	+/-0.500	
Terphenyl-d14	50.00	87.6	50 - 135	12.753	12.751	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	58.8	40 - 125	9.985	9.986	-0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0688 (1208055-03) ug/L				Lab File ID: 0805503.D		Analyzed: 08/21/12 14:54		
2-Fluorobiphenyl	50.00	86.0	50 - 110	8.191	8.186	0.0050	+/-0.500	
2-Fluorophenol	100.0	39.2	20 - 110	3.54	3.538	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	72.2	40 - 110	5.845	5.84	0.0050	+/-0.500	
Phenol-d6	100.0	21.5	0 - 110	4.68	4.684	-0.0040	+/-0.500	
Terphenyl-d14	50.00	99.0	50 - 135	12.754	12.751	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	89.8	40 - 125	9.983	9.986	-0.0030	+/-0.500	
GW0689 (1208055-05) ug/L				Lab File ID: 0805505.D		Analyzed: 08/21/12 15:21		
2-Fluorobiphenyl	50.00	85.2	50 - 110	8.189	8.186	0.0030	+/-0.500	
2-Fluorophenol	100.0	31.0	20 - 110	3.544	3.538	0.0060	+/-0.500	
Nitrobenzene-d5	50.00	67.8	40 - 110	5.843	5.84	0.0030	+/-0.500	
Phenol-d6	100.0	19.2	0 - 110	4.678	4.684	-0.0060	+/-0.500	
Terphenyl-d14	50.00	90.8	50 - 135	12.754	12.751	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	76.9	40 - 125	9.986	9.986	0.0000	+/-0.500	
GW0704 (1208055-07) ug/L				Lab File ID: 0805507.D		Analyzed: 08/21/12 15:48		
2-Fluorobiphenyl	50.00	81.2	50 - 110	8.188	8.186	0.0020	+/-0.500	
2-Fluorophenol	100.0	23.8	20 - 110	3.547	3.538	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	62.9	40 - 110	5.84	5.84	0.0000	+/-0.500	
Phenol-d6	100.0	14.7	0 - 110	4.68	4.684	-0.0040	+/-0.500	
Terphenyl-d14	50.00	89.1	50 - 135	12.755	12.751	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	68.4	40 - 125	9.986	9.986	0.0000	+/-0.500	
GW0705 (1208055-09) ug/L				Lab File ID: 0805509.D		Analyzed: 08/21/12 16:15		
2-Fluorobiphenyl	47.17	88.5	50 - 110	8.191	8.186	0.0050	+/-0.500	
2-Fluorophenol	94.34	31.7	20 - 110	3.547	3.538	0.0090	+/-0.500	
Nitrobenzene-d5	47.17	69.0	40 - 110	5.845	5.84	0.0050	+/-0.500	
Phenol-d6	94.34	17.3	0 - 110	4.681	4.684	-0.0030	+/-0.500	
Terphenyl-d14	47.17	96.2	50 - 135	12.757	12.751	0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	89.2	40 - 125	9.981	9.986	-0.0050	+/-0.500	
GW0706 (1208055-11) ug/L				Lab File ID: 0805511.D		Analyzed: 08/21/12 16:42		
2-Fluorobiphenyl	48.08	88.9	50 - 110	8.183	8.186	-0.0030	+/-0.500	
2-Fluorophenol	96.15	26.0	20 - 110	3.547	3.538	0.0090	+/-0.500	
Nitrobenzene-d5	48.08	71.7	40 - 110	5.844	5.84	0.0040	+/-0.500	
Phenol-d6	96.15	16.7	0 - 110	4.681	4.684	-0.0030	+/-0.500	
Terphenyl-d14	48.08	99.7	50 - 135	12.757	12.751	0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	71.0	40 - 125	9.982	9.986	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0734 (1208055-15) ug/L				Lab File ID: 0805515.D		Analyzed: 08/21/12 17:09		
2-Fluorobiphenyl	50.00	84.5	50 - 110	8.19	8.186	0.0040	+/-0.500	
2-Fluorophenol	100.0	38.0	20 - 110	3.546	3.538	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	67.9	40 - 110	5.841	5.84	0.0010	+/-0.500	
Phenol-d6	100.0	21.2	0 - 110	4.679	4.684	-0.0050	+/-0.500	
Terphenyl-d14	50.00	94.8	50 - 135	12.748	12.751	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	94.1	40 - 125	9.988	9.986	0.0020	+/-0.500	
GW0735 (1208055-17) ug/L				Lab File ID: 0805517.D		Analyzed: 08/21/12 17:36		
2-Fluorobiphenyl	50.00	81.2	50 - 110	8.182	8.186	-0.0040	+/-0.500	
2-Fluorophenol	100.0	21.8	20 - 110	3.546	3.538	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	67.0	40 - 110	5.844	5.84	0.0040	+/-0.500	
Phenol-d6	100.0	15.9	0 - 110	4.682	4.684	-0.0020	+/-0.500	
Terphenyl-d14	50.00	94.4	50 - 135	12.748	12.751	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	52.1	40 - 125	9.979	9.986	-0.0070	+/-0.500	
GW0736 (1208055-19) ug/L				Lab File ID: 0805519.D		Analyzed: 08/21/12 18:03		
2-Fluorobiphenyl	49.02	88.6	50 - 110	8.191	8.186	0.0050	+/-0.500	
2-Fluorophenol	98.04	35.9	20 - 110	3.546	3.538	0.0080	+/-0.500	
Nitrobenzene-d5	49.02	71.2	40 - 110	5.844	5.84	0.0040	+/-0.500	
Phenol-d6	98.04	18.9	0 - 110	4.68	4.684	-0.0040	+/-0.500	
Terphenyl-d14	49.02	100	50 - 135	12.754	12.751	0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	89.6	40 - 125	9.988	9.986	0.0020	+/-0.500	
GW8056-RB (1208055-21) ug/L				Lab File ID: 0805521.D		Analyzed: 08/21/12 18:30		
2-Fluorobiphenyl	49.02	81.7	50 - 110	8.186	8.186	0.0000	+/-0.500	
2-Fluorophenol	98.04	26.2	20 - 110	3.538	3.538	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	64.1	40 - 110	5.837	5.84	-0.0030	+/-0.500	
Phenol-d6	98.04	15.7	0 - 110	4.682	4.684	-0.0020	+/-0.500	
Terphenyl-d14	49.02	96.5	50 - 135	12.751	12.751	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	72.9	40 - 125	9.988	9.986	0.0020	+/-0.500	
GW0687 (1208055-01RE1) ug/L				Lab File ID: 805501D2.D		Analyzed: 08/21/12 18:58		
2-Fluorobiphenyl	50.00		50 - 110		8.186	-8.1860	+/-0.500	*
2-Fluorophenol	100.0		20 - 110		3.538	-3.5380	+/-0.500	*
Nitrobenzene-d5	50.00		40 - 110		5.84	-5.8400	+/-0.500	*
Phenol-d6	100.0		0 - 110		4.684	-4.6840	+/-0.500	*
Terphenyl-d14	50.00		50 - 135		12.751	-12.7510	+/-0.500	*
2,4,6-Tribromophenol	100.0		40 - 125		9.986	-9.9860	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0707 (1208055-13) ug/L				Lab File ID: 805513D2.D		Analyzed: 08/21/12 19:25		
2-Fluorobiphenyl	46.73		50 - 110		8.186	-8.1860	+/-0.500	*
2-Fluorophenol	93.46		20 - 110		3.538	-3.5380	+/-0.500	*
Nitrobenzene-d5	46.73		40 - 110		5.84	-5.8400	+/-0.500	*
Phenol-d6	93.46		0 - 110		4.684	-4.6840	+/-0.500	*
Terphenyl-d14	46.73		50 - 135		12.751	-12.7510	+/-0.500	*
2,4,6-Tribromophenol	93.46		40 - 125		9.986	-9.9860	+/-0.500	*
GW0707 (1208055-13RE1) ug/L				Lab File ID: 805513D3.D		Analyzed: 08/21/12 19:52		
2-Fluorobiphenyl	46.73		50 - 110		8.186	-8.1860	+/-0.500	*
2-Fluorophenol	93.46		20 - 110		3.538	-3.5380	+/-0.500	*
Nitrobenzene-d5	46.73		40 - 110		5.84	-5.8400	+/-0.500	*
Phenol-d6	93.46		0 - 110		4.684	-4.6840	+/-0.500	*
Terphenyl-d14	46.73		50 - 135		12.751	-12.7510	+/-0.500	*
2,4,6-Tribromophenol	93.46		40 - 125		9.986	-9.9860	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H24014-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/24/12 16:40		
2-Fluorobiphenyl	50.00	107	80 - 120	8.163	8.163	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.523	3.523	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	91.9	80 - 120	5.822	5.822	0.0000	+/-0.500	
Phenol-d6	100.0	97.0	80 - 120	4.659	4.659	0.0000	+/-0.500	
Terphenyl-d14	50.00	122	80 - 120	12.73	12.73	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	108	80 - 120	9.97	9.97	0.0000	+/-0.500	
Blank (2H13023-BLK1) ug/L				Lab File ID: H13023B1.D		Analyzed: 08/24/12 17:34		
2-Fluorobiphenyl	50.00	76.5	50 - 110	8.167	8.163	0.0040	+/-0.500	
2-Fluorophenol	100.0	31.9	20 - 110	3.524	3.523	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	64.5	40 - 110	5.82	5.822	-0.0020	+/-0.500	
Phenol-d6	100.0	17.9	0 - 110	4.657	4.659	-0.0020	+/-0.500	
Terphenyl-d14	50.00	93.5	50 - 135	12.734	12.73	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	85.4	40 - 125	9.965	9.97	-0.0050	+/-0.500	
LCS (2H13023-BS1) ug/L				Lab File ID: H13023L1.D		Analyzed: 08/24/12 18:01		
2-Fluorobiphenyl	50.00	79.5	50 - 110	8.17	8.163	0.0070	+/-0.500	
2-Fluorophenol	100.0	34.0	20 - 110	3.516	3.523	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	65.4	40 - 110	5.815	5.822	-0.0070	+/-0.500	
Phenol-d6	100.0	18.4	0 - 110	4.66	4.659	0.0010	+/-0.500	
Terphenyl-d14	50.00	87.6	50 - 135	12.734	12.73	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	86.5	40 - 125	9.965	9.97	-0.0050	+/-0.500	
LCS Dup (2H13023-BSD1) ug/L				Lab File ID: H13023L2.D		Analyzed: 08/24/12 18:28		
2-Fluorobiphenyl	50.00	89.4	50 - 110	8.166	8.163	0.0030	+/-0.500	
2-Fluorophenol	100.0	39.0	20 - 110	3.524	3.523	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	75.3	40 - 110	5.822	5.822	0.0000	+/-0.500	
Phenol-d6	100.0	21.4	0 - 110	4.656	4.659	-0.0030	+/-0.500	
Terphenyl-d14	50.00	99.3	50 - 135	12.733	12.73	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	97.3	40 - 125	9.966	9.97	-0.0040	+/-0.500	
GW0633 (1208065-01) ug/L				Lab File ID: 0806501.D		Analyzed: 08/24/12 18:55		
2-Fluorobiphenyl	49.02	86.5	50 - 110	8.164	8.163	0.0010	+/-0.500	
2-Fluorophenol	98.04	24.9	20 - 110	3.526	3.523	0.0030	+/-0.500	
Nitrobenzene-d5	49.02	67.5	40 - 110	5.815	5.822	-0.0070	+/-0.500	
Phenol-d6	98.04	18.1	0 - 110	4.661	4.659	0.0020	+/-0.500	
Terphenyl-d14	49.02	78.9	50 - 135	12.725	12.73	-0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	63.0	40 - 125	9.958	9.97	-0.0120	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0634 (1208065-03) ug/L				Lab File ID: 0806503.D		Analyzed: 08/24/12 19:22		
2-Fluorobiphenyl	48.08	74.7	50 - 110	8.165	8.163	0.0020	+/-0.500	
2-Fluorophenol	96.15	20.5	20 - 110	3.518	3.523	-0.0050	+/-0.500	
Nitrobenzene-d5	48.08	63.0	40 - 110	5.817	5.822	-0.0050	+/-0.500	
Phenol-d6	96.15	15.9	0 - 110	4.654	4.659	-0.0050	+/-0.500	
Terphenyl-d14	48.08	76.3	50 - 135	12.727	12.73	-0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	64.5	40 - 125	9.958	9.97	-0.0120	+/-0.500	
GW0636 (1208065-05) ug/L				Lab File ID: 0806505.D		Analyzed: 08/24/12 19:50		
2-Fluorobiphenyl	48.08	70.3	50 - 110	8.167	8.163	0.0040	+/-0.500	
2-Fluorophenol	96.15	18.0	20 - 110	3.515	3.523	-0.0080	+/-0.500	*
Nitrobenzene-d5	48.08	52.9	40 - 110	5.815	5.822	-0.0070	+/-0.500	
Phenol-d6	96.15	13.9	0 - 110	4.66	4.659	0.0010	+/-0.500	
Terphenyl-d14	48.08	73.6	50 - 135	12.733	12.73	0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	60.7	40 - 125	9.962	9.97	-0.0080	+/-0.500	
GW0642 (1208065-07) ug/L				Lab File ID: 0806507.D		Analyzed: 08/24/12 20:17		
2-Fluorobiphenyl	49.02	73.1	50 - 110	8.164	8.163	0.0010	+/-0.500	
2-Fluorophenol	98.04	28.2	20 - 110	3.517	3.523	-0.0060	+/-0.500	
Nitrobenzene-d5	49.02	64.2	40 - 110	5.815	5.822	-0.0070	+/-0.500	
Phenol-d6	98.04	16.3	0 - 110	4.652	4.659	-0.0070	+/-0.500	
Terphenyl-d14	49.02	82.7	50 - 135	12.729	12.73	-0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	84.1	40 - 125	9.962	9.97	-0.0080	+/-0.500	
GW0695 (1208065-09) ug/L				Lab File ID: 0806509.D		Analyzed: 08/24/12 20:44		
2-Fluorobiphenyl	49.02	83.9	50 - 110	8.163	8.163	0.0000	+/-0.500	
2-Fluorophenol	98.04	22.3	20 - 110	3.524	3.523	0.0010	+/-0.500	
Nitrobenzene-d5	49.02	73.0	40 - 110	5.815	5.822	-0.0070	+/-0.500	
Phenol-d6	98.04	18.4	0 - 110	4.659	4.659	0.0000	+/-0.500	
Terphenyl-d14	49.02	90.1	50 - 135	12.733	12.73	0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	54.5	40 - 125	9.965	9.97	-0.0050	+/-0.500	
GW0696 (1208065-11) ug/L				Lab File ID: 0806511.D		Analyzed: 08/24/12 21:11		
2-Fluorobiphenyl	47.17	76.3	50 - 110	8.163	8.163	0.0000	+/-0.500	
2-Fluorophenol	94.34	28.0	20 - 110	3.517	3.523	-0.0060	+/-0.500	
Nitrobenzene-d5	47.17	65.0	40 - 110	5.815	5.822	-0.0070	+/-0.500	
Phenol-d6	94.34	17.0	0 - 110	4.652	4.659	-0.0070	+/-0.500	
Terphenyl-d14	47.17	84.3	50 - 135	12.731	12.73	0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	76.6	40 - 125	9.962	9.97	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0733 (1208065-13) ug/L				Lab File ID: 0806513.D		Analyzed: 08/24/12 21:38		
2-Fluorobiphenyl	49.02	84.0	50 - 110	8.159	8.163	-0.0040	+/-0.500	
2-Fluorophenol	98.04	12.6	20 - 110	3.515	3.523	-0.0080	+/-0.500	*
Nitrobenzene-d5	49.02	74.9	40 - 110	5.812	5.822	-0.0100	+/-0.500	
Phenol-d6	98.04	16.5	0 - 110	4.658	4.659	-0.0010	+/-0.500	
Terphenyl-d14	49.02	94.2	50 - 135	12.728	12.73	-0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	23.6	40 - 125	9.957	9.97	-0.0130	+/-0.500	*
GW8057-RB (1208065-15) ug/L				Lab File ID: 0806515.D		Analyzed: 08/24/12 22:05		
2-Fluorobiphenyl	49.02	77.9	50 - 110	8.162	8.163	-0.0010	+/-0.500	
2-Fluorophenol	98.04	27.7	20 - 110	3.514	3.523	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	62.0	40 - 110	5.812	5.822	-0.0100	+/-0.500	
Phenol-d6	98.04	15.8	0 - 110	4.658	4.659	-0.0010	+/-0.500	
Terphenyl-d14	49.02	97.2	50 - 135	12.731	12.73	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	90.0	40 - 125	9.956	9.97	-0.0140	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24101	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H24101-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/27/12 11:57		
2-Fluorobiphenyl	50.00	104	80 - 120	8.163	8.163	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.1	80 - 120	3.516	3.516	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	93.1	80 - 120	5.821	5.821	0.0000	+/-0.500	
Phenol-d6	100.0	92.7	80 - 120	4.659	4.659	0.0000	+/-0.500	
Terphenyl-d14	50.00	122	80 - 120	12.729	12.729	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	108	80 - 120	9.964	9.964	0.0000	+/-0.500	
Blank (2H14019-BLK1) ug/L				Lab File ID: H14019B1.D		Analyzed: 08/27/12 17:36		
2-Fluorobiphenyl	50.00	69.1	50 - 110	8.162	8.163	-0.0010	+/-0.500	
2-Fluorophenol	100.0	19.0	20 - 110	3.526	3.516	0.0100	+/-0.500	*
Nitrobenzene-d5	50.00	62.3	40 - 110	5.815	5.821	-0.0060	+/-0.500	
Phenol-d6	100.0	13.6	0 - 110	4.661	4.659	0.0020	+/-0.500	
Terphenyl-d14	50.00	87.8	50 - 135	12.732	12.729	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	48.2	40 - 125	9.963	9.964	-0.0010	+/-0.500	
LCS (2H14019-BS1) ug/L				Lab File ID: H14019L1.D		Analyzed: 08/27/12 18:04		
2-Fluorobiphenyl	50.00	83.1	50 - 110	8.172	8.163	0.0090	+/-0.500	
2-Fluorophenol	100.0	24.3	20 - 110	3.527	3.516	0.0110	+/-0.500	
Nitrobenzene-d5	50.00	73.0	40 - 110	5.817	5.821	-0.0040	+/-0.500	
Phenol-d6	100.0	15.8	0 - 110	4.661	4.659	0.0020	+/-0.500	
Terphenyl-d14	50.00	91.6	50 - 135	12.731	12.729	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	63.5	40 - 125	9.964	9.964	0.0000	+/-0.500	
GW0632 (1208078-01) ug/L				Lab File ID: 0807801D.D		Analyzed: 08/27/12 18:31		
2-Fluorobiphenyl	50.00	76.1	50 - 110	8.168	8.163	0.0050	+/-0.500	
2-Fluorophenol	100.0		20 - 110	3.528	3.516	0.0120	+/-0.500	*
Nitrobenzene-d5	50.00	61.2	40 - 110	5.818	5.821	-0.0030	+/-0.500	
Phenol-d6	100.0		0 - 110	4.663	4.659	0.0040	+/-0.500	
Terphenyl-d14	50.00	70.2	50 - 135	12.724	12.729	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	32.7	40 - 125	9.965	9.964	0.0010	+/-0.500	*
GW0637 (1208078-03) ug/L				Lab File ID: 0807803D.D		Analyzed: 08/27/12 18:59		
2-Fluorobiphenyl	49.02	52.2	50 - 110	8.167	8.163	0.0040	+/-0.500	
2-Fluorophenol	98.04		20 - 110	3.535	3.516	0.0190	+/-0.500	*
Nitrobenzene-d5	49.02	47.0	40 - 110	5.827	5.821	0.0060	+/-0.500	
Phenol-d6	98.04		0 - 110	4.662	4.659	0.0030	+/-0.500	
Terphenyl-d14	49.02	40.5	50 - 135	12.732	12.729	0.0030	+/-0.500	*
2,4,6-Tribromophenol	98.04		40 - 125	9.968	9.964	0.0040	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24101	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0641 (1208078-05) ug/L				Lab File ID: 0807805D.D		Analyzed: 08/27/12 19:26		
2-Fluorobiphenyl	47.17	73.3	50 - 110	8.163	8.163	0.0000	+/-0.500	
2-Fluorophenol	94.34		20 - 110	3.538	3.516	0.0220	+/-0.500	*
Nitrobenzene-d5	47.17	70.1	40 - 110	5.829	5.821	0.0080	+/-0.500	
Phenol-d6	94.34	15.2	0 - 110	4.685	4.659	0.0260	+/-0.500	
Terphenyl-d14	47.17	66.4	50 - 135	12.733	12.729	0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	34.4	40 - 125	9.959	9.964	-0.0050	+/-0.500	*
GW0694 (1208078-07) ug/L				Lab File ID: 0807807D.D		Analyzed: 08/27/12 19:53		
2-Fluorobiphenyl	47.17	69.3	50 - 110	8.166	8.163	0.0030	+/-0.500	
2-Fluorophenol	94.34	18.7	20 - 110	3.539	3.516	0.0230	+/-0.500	*
Nitrobenzene-d5	47.17	67.4	40 - 110	5.829	5.821	0.0080	+/-0.500	
Phenol-d6	94.34	21.7	0 - 110	4.686	4.659	0.0270	+/-0.500	
Terphenyl-d14	47.17	57.0	50 - 135	12.729	12.729	0.0000	+/-0.500	
2,4,6-Tribromophenol	94.34	56.6	40 - 125	9.967	9.964	0.0030	+/-0.500	
GW0708 (1208078-09) ug/L				Lab File ID: 0807809.D		Analyzed: 08/27/12 20:20		
2-Fluorobiphenyl	50.00	74.8	50 - 110	8.16	8.163	-0.0030	+/-0.500	
2-Fluorophenol	100.0	31.3	20 - 110	3.516	3.516	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	61.6	40 - 110	5.814	5.821	-0.0070	+/-0.500	
Phenol-d6	100.0	17.7	0 - 110	4.66	4.659	0.0010	+/-0.500	
Terphenyl-d14	50.00	93.6	50 - 135	12.726	12.729	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	97.3	40 - 125	9.959	9.964	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24201	Instrument:	MS-BNA1
		Calibration:	2156006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H24201-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/28/12 07:50		
2-Fluorobiphenyl	50.00	111	80 - 120	8.167	8.167	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.515	3.515	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	91.4	80 - 120	5.814	5.814	0.0000	+/-0.500	
Phenol-d6	100.0	98.2	80 - 120	4.659	4.659	0.0000	+/-0.500	
Terphenyl-d14	50.00	120	80 - 120	12.723	12.723	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	113	80 - 120	9.96	9.96	0.0000	+/-0.500	
GW0641 (1208078-05RE1) ug/L				Lab File ID: 0807805D.D		Analyzed: 08/28/12 08:45		
2-Fluorobiphenyl	47.17		50 - 110		8.167	-8.1670	+/-0.500	*
2-Fluorophenol	94.34		20 - 110		3.515	-3.5150	+/-0.500	*
Nitrobenzene-d5	47.17		40 - 110		5.814	-5.8140	+/-0.500	*
Phenol-d6	94.34		0 - 110		4.659	-4.6590	+/-0.500	*
Terphenyl-d14	47.17		50 - 135		12.723	-12.7230	+/-0.500	*
2,4,6-Tribromophenol	94.34		40 - 125		9.96	-9.9600	+/-0.500	*
GW0694 (1208078-07RE1) ug/L				Lab File ID: 0807807D.D		Analyzed: 08/28/12 09:12		
2-Fluorobiphenyl	47.17		50 - 110		8.167	-8.1670	+/-0.500	*
2-Fluorophenol	94.34		20 - 110		3.515	-3.5150	+/-0.500	*
Nitrobenzene-d5	47.17		40 - 110		5.814	-5.8140	+/-0.500	*
Phenol-d6	94.34		0 - 110		4.659	-4.6590	+/-0.500	*
Terphenyl-d14	47.17		50 - 135		12.723	-12.7230	+/-0.500	*
2,4,6-Tribromophenol	94.34		40 - 125		9.96	-9.9600	+/-0.500	*

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10008	Laboratory ID:	2H10008-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	43.91	87.8	45 - 110
Acenaphthylene	50.00	42.85	85.7	50 - 105
Acetophenone	50.00	44.62	89.2	50 - 110
Anthracene	50.00	42.32	84.6	55 - 110
Atrazine	50.00	43.68	87.4	70 - 115
Benzaldehyde	50.00	40.66	81.3	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	50.00	42.27	84.5	55 - 110
Benzo(a)pyrene	50.00	43.60	87.2	55 - 110
Benzo(b)fluoranthene	50.00	44.44	88.9	45 - 120
Benzo(g,h,i)perylene	50.00	46.12	92.2	40 - 125
Benzoic acid	100.0	17.44	17.4	0 - 125
Benzo(k)fluoranthene	50.00	46.05	92.1	45 - 125
1,1-Biphenyl	50.00	51.94	104	50 - 110
4-Bromophenyl-phenylether	50.00	42.85	85.7	50 - 115
Butylbenzylphthalate	50.00	49.83	99.7	45 - 115
Caprolactam	50.00	8.132	16.3	10 - 110
Carbazole	50.00	55.27	111	50 - 115
4-Chloro-3-methylphenol	100.0	91.72	91.7	45 - 110
4-Chloroaniline	50.00	49.68	99.4	15 - 110
Bis(2-chloroethoxy)methane	50.00	40.11	80.2	45 - 105
Bis(2-chloroethyl)ether	50.00	36.59	73.2	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	45.07	90.1	25 - 130
2-Chloronaphthalene	50.00	41.54	83.1	50 - 105
2-Chlorophenol	100.0	83.52	83.5	35 - 105
4-Chlorophenyl phenyl ether	50.00	42.35	84.7	50 - 110
Chrysene	50.00	45.07	90.1	55 - 110
Dibenz(a,h)anthracene	50.00	45.24	90.5	40 - 125
Dibenzofuran	50.00	43.47	86.9	55 - 105
Di-n-butylphthalate	50.00	48.24	96.5	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10008	Laboratory ID:	2H10008-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	43.20	86.4	20 - 110
2,4-Dichlorophenol	100.0	88.11	88.1	40 - 110
Diethylphthalate	50.00	46.90	93.8	40 - 120
2,4-Dimethylphenol	100.0	91.19	91.2	30 - 110
Dimethyl phthalate	50.00	43.63	87.3	25 - 125
4,6-Dinitro-2-methylphenol	100.0	97.92	97.9	40 - 130
2,4-Dinitrophenol	100.0	90.09	90.1	15 - 140
2,4-Dinitrotoluene	50.00	43.15	86.3	50 - 120
2,6-Dinitrotoluene	50.00	41.08	82.2	50 - 115
Di-n-octylphthalate	50.00	43.63	87.3	35 - 135
1,2-Diphenylhydrazine	50.00	53.51	107	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	48.00	96.0	40 - 125
Fluoranthene	50.00	43.13	86.3	55 - 115
Fluorene	50.00	44.29	88.6	50 - 110
Hexachlorobenzene	50.00	40.55	81.1	50 - 110
Hexachlorobutadiene	50.00	29.23	58.5	25 - 105
Hexachlorocyclopentadiene	50.00	30.66	61.3	10 - 110
Hexachloroethane	50.00	32.16	64.3	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	46.11	92.2	45 - 125
Isophorone	50.00	35.86	71.7	50 - 110
1-Methylnaphthalene	50.00	45.05	90.1	30 - 115
2-Methylnaphthalene	50.00	36.94	73.9	45 - 105
2-Methylphenol	100.0	69.65	69.6	40 - 110
3-Methylphenol/4-Methylphenol	100.0	64.11	64.1	30 - 110
Naphthalene	50.00	38.26	76.5	40 - 100
4-Nitroaniline	50.00	55.04	110	35 - 120
3-Nitroaniline	50.00	50.65	101	20 - 125
2-Nitroaniline	**50.00**	**61.11**	**122**	**50 - 115**
Nitrobenzene	50.00	35.86	71.7	30 - 110
4-Nitrophenol	100.0	32.86	32.9	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10008	Laboratory ID:	2H10008-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	97.64	97.6	40 - 115
N-Nitrosodiphenylamine	50.00	37.66	75.3	50 - 110
N-Nitroso-di-n-propylamine	50.00	43.03	86.1	35 - 130
Pentachlorophenol	100.0	87.67	87.7	40 - 115
Phenanthrene	50.00	45.22	90.4	50 - 115
Phenol	100.0	27.27	27.3	0 - 115
Pyrene	50.00	46.69	93.4	50 - 130
2,4,6-Trichlorophenol	100.0	95.10	95.1	50 - 115
2,4,5-Trichlorophenol	100.0	97.86	97.9	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	41.69	83.4	5.19	30	45 - 110
Acenaphthylene	50.00	40.94	81.9	4.58	30	50 - 105
Acetophenone	50.00	46.36	92.7	3.81	30	50 - 110
Anthracene	50.00	43.76	87.5	3.33	30	55 - 110
Atrazine	50.00	45.63	91.3	4.36	30	70 - 115
Benzaldehyde	50.00	41.44	82.9	1.90	30	10 - 180
Benzidine	50.00	14.75	29.5	53.3 *	30	0 - 200
Benzo(a)anthracene	50.00	43.54	87.1	2.96	30	55 - 110
Benzo(a)pyrene	50.00	43.79	87.6	0.435	30	55 - 110
Benzo(b)fluoranthene	50.00	46.34	92.7	4.19	30	45 - 120
Benzo(g,h,i)perylene	50.00	45.36	90.7	1.65	30	40 - 125
Benzoic acid	100.0	13.28	13.3	27.1	30	0 - 125
Benzo(k)fluoranthene	50.00	44.91	89.8	2.51	30	45 - 125
1,1-Biphenyl	50.00	50.89	102	2.05	30	50 - 110
4-Bromophenyl-phenylether	50.00	43.96	87.9	2.56	30	50 - 115
Butylbenzylphthalate	50.00	50.79	102	1.91	30	45 - 115
Caprolactam	50.00	8.507	17.0	4.50	30	10 - 110
Carbazole	50.00	53.64	107	2.99	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10008	Laboratory ID:	2H10008-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	100.0	82.19	82.2	11.0	30	45 - 110
4-Chloroaniline	50.00	45.40	90.8	8.99	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	37.33	74.7	7.17	30	45 - 105
Bis(2-chloroethyl)ether	50.00	37.03	74.1	1.20	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	42.89	85.8	4.95	30	25 - 130
2-Chloronaphthalene	50.00	40.19	80.4	3.30	30	50 - 105
2-Chlorophenol	100.0	76.22	76.2	9.14	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	42.48	85.0	0.295	30	50 - 110
Chrysene	50.00	44.49	89.0	1.29	30	55 - 110
Dibenz(a,h)anthracene	50.00	44.21	88.4	2.29	30	40 - 125
Dibenzofuran	50.00	39.49	79.0	9.60	30	55 - 105
Di-n-butylphthalate	50.00	50.77	102	5.11	30	55 - 115
3,3'-Dichlorobenzidine	50.00	44.58	89.2	3.14	30	20 - 110
2,4-Dichlorophenol	100.0	74.99	75.0	16.1	30	40 - 110
Diethylphthalate	50.00	43.61	87.2	7.25	30	40 - 120
2,4-Dimethylphenol	100.0	80.95	81.0	11.9	30	30 - 110
Dimethyl phthalate	50.00	42.92	85.8	1.66	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	62.97	63.0	43.4 *	30	40 - 130
2,4-Dinitrophenol	100.0	52.11	52.1	53.4 *	30	15 - 140
2,4-Dinitrotoluene	50.00	42.05	84.1	2.57	30	50 - 120
2,6-Dinitrotoluene	50.00	40.88	81.8	0.473	30	50 - 115
Di-n-octylphthalate	50.00	49.35	98.7	12.3	30	35 - 135
1,2-Diphenylhydrazine	50.00	48.89	97.8	9.02	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	50.92	102	5.90	30	40 - 125
Fluoranthene	50.00	44.01	88.0	2.04	30	55 - 115
Fluorene	50.00	43.58	87.2	1.63	30	50 - 110
Hexachlorobenzene	50.00	41.20	82.4	1.59	30	50 - 110
Hexachlorobutadiene	50.00	31.55	63.1	7.64	30	25 - 105
Hexachlorocyclopentadiene	50.00	30.96	61.9	0.986	30	10 - 110
Hexachloroethane	50.00	30.52	61.0	5.23	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10008	Laboratory ID:	2H10008-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	50.00	44.85	89.7	2.77	30	45 - 125
Isophorone	50.00	32.35	64.7	10.3	30	50 - 110
1-Methylnaphthalene	50.00	43.09	86.2	4.45	30	30 - 115
2-Methylnaphthalene	50.00	37.99	76.0	2.79	30	45 - 105
2-Methylphenol	100.0	67.62	67.6	2.95	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	62.37	62.4	2.75	30	30 - 110
Naphthalene	50.00	37.97	75.9	0.782	30	40 - 100
4-Nitroaniline	50.00	52.58	105	4.57	30	35 - 120
3-Nitroaniline	50.00	47.11	94.2	7.24	30	20 - 125
2-Nitroaniline	50.00	50.69	101	18.6	30	50 - 115
Nitrobenzene	50.00	32.40	64.8	10.1	30	30 - 110
4-Nitrophenol	100.0	18.31	18.3	56.9 *	30	0 - 125
2-Nitrophenol	100.0	81.29	81.3	18.3	30	40 - 115
N-Nitrosodiphenylamine	50.00	37.01	74.0	1.73	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.25	82.5	4.22	30	35 - 130
Pentachlorophenol	100.0	62.63	62.6	33.3 *	30	40 - 115
Phenanthrene	50.00	45.44	90.9	0.487	30	50 - 115
Phenol	100.0	24.99	25.0	8.72	30	0 - 115
Pyrene	50.00	46.84	93.7	0.336	30	50 - 130
2,4,6-Trichlorophenol	100.0	69.52	69.5	31.1 *	30	50 - 115
2,4,5-Trichlorophenol	100.0	77.38	77.4	23.4	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13023	Laboratory ID:	2H13023-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	29.46	58.9	45 - 110
Acenaphthylene	50.00	31.62	63.2	50 - 105
Acetophenone	50.00	35.56	71.1	50 - 110
Anthracene	50.00	38.72	77.4	55 - 110
Atrazine	50.00	41.04	82.1	70 - 115
Benzaldehyde	50.00	32.65	65.3	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	50.00	39.76	79.5	55 - 110
Benzo(a)pyrene	50.00	39.41	78.8	55 - 110
Benzo(b)fluoranthene	50.00	43.85	87.7	45 - 120
Benzo(g,h,i)perylene	50.00	41.71	83.4	40 - 125
Benzoic acid	100.0	100 U	0	0 - 125
Benzo(k)fluoranthene	50.00	39.38	78.8	45 - 125
1,1-Biphenyl	50.00	40.85	81.7	50 - 110
4-Bromophenyl-phenylether	50.00	38.49	77.0	50 - 115
Butylbenzylphthalate	50.00	42.73	85.5	45 - 115
Caprolactam	50.00	5.577	11.2	10 - 110
Carbazole	50.00	47.88	95.8	50 - 115
4-Chloro-3-methylphenol	100.0	67.23	67.2	45 - 110
4-Chloroaniline	50.00	37.86	75.7	15 - 110
Bis(2-chloroethoxy)methane	50.00	33.77	67.5	45 - 105
Bis(2-chloroethyl)ether	50.00	30.50	61.0	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	28.96	57.9	25 - 130
2-Chloronaphthalene	50.00	26.69	53.4	50 - 105
2-Chlorophenol	100.0	67.77	67.8	35 - 105
4-Chlorophenyl phenyl ether	50.00	33.45	66.9	50 - 110
Chrysene	50.00	40.18	80.4	55 - 110
Dibenz(a,h)anthracene	50.00	39.47	78.9	40 - 125
Dibenzofuran	50.00	31.13	62.3	55 - 105
Di-n-butylphthalate	50.00	44.65	89.3	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13023	Laboratory ID:	2H13023-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	40.72	81.4	20 - 110
2,4-Dichlorophenol	100.0	73.71	73.7	40 - 110
Diethylphthalate	50.00	39.12	78.2	40 - 120
2,4-Dimethylphenol	100.0	68.33	68.3	30 - 110
Dimethyl phthalate	50.00	37.72	75.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	78.61	78.6	40 - 130
2,4-Dinitrophenol	100.0	55.36	55.4	15 - 140
2,4-Dinitrotoluene	50.00	38.02	76.0	50 - 120
2,6-Dinitrotoluene	50.00	36.35	72.7	50 - 115
Di-n-octylphthalate	50.00	39.81	79.6	35 - 135
1,2-Diphenylhydrazine	50.00	37.76	75.5	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	41.07	82.1	40 - 125
Fluoranthene	50.00	40.32	80.6	55 - 115
Fluorene	50.00	35.20	70.4	50 - 110
Hexachlorobenzene	50.00	37.73	75.5	50 - 110
Hexachlorobutadiene	50.00	22.46	44.9	25 - 105
Hexachlorocyclopentadiene	50.00	20.78	41.6	10 - 110
Hexachloroethane	50.00	20.24	40.5	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	40.14	80.3	45 - 125
Isophorone	50.00	29.31	58.6	50 - 110
1-Methylnaphthalene	50.00	30.66	61.3	30 - 115
2-Methylnaphthalene	50.00	25.18	50.4	45 - 105
2-Methylphenol	100.0	52.09	52.1	40 - 110
3-Methylphenol/4-Methylphenol	100.0	47.09	47.1	30 - 110
Naphthalene	50.00	25.88	51.8	40 - 100
4-Nitroaniline	50.00	46.23	92.5	35 - 120
3-Nitroaniline	50.00	40.29	80.6	20 - 125
2-Nitroaniline	50.00	43.95	87.9	50 - 115
Nitrobenzene	50.00	29.61	59.2	30 - 110
4-Nitrophenol	100.0	20.57	20.6	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13023	Laboratory ID:	2H13023-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	80.13	80.1	40 - 115
N-Nitrosodiphenylamine	50.00	31.08	62.2	50 - 110
N-Nitroso-di-n-propylamine	50.00	32.84	65.7	35 - 130
Pentachlorophenol	100.0	83.52	83.5	40 - 115
Phenanthrene	50.00	39.34	78.7	50 - 115
Phenol	100.0	19.90	19.9	0 - 115
Pyrene	50.00	40.37	80.7	50 - 130
2,4,6-Trichlorophenol	100.0	81.06	81.1	50 - 115
2,4,5-Trichlorophenol	100.0	83.45	83.4	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	34.16	68.3	14.8	30	45 - 110
Acenaphthylene	50.00	37.10	74.2	15.9	30	50 - 105
Acetophenone	50.00	39.17	78.3	9.64	30	50 - 110
Anthracene	50.00	43.64	87.3	11.9	30	55 - 110
Atrazine	50.00	46.37	92.7	12.2	30	70 - 115
Benzaldehyde	50.00	36.09	72.2	10.0	30	10 - 180
Benzidine	50.00	100 U	0		30	0 - 200
Benzo(a)anthracene	50.00	44.80	89.6	11.9	30	55 - 110
Benzo(a)pyrene	50.00	43.80	87.6	10.6	30	55 - 110
Benzo(b)fluoranthene	50.00	44.31	88.6	1.05	30	45 - 120
Benzo(g,h,i)perylene	50.00	46.08	92.2	9.95	30	40 - 125
Benzoic acid	100.0	14.92	14.9	200 *	30	0 - 125
Benzo(k)fluoranthene	50.00	46.39	92.8	16.4	30	45 - 125
1,1-Biphenyl	50.00	46.76	93.5	13.5	30	50 - 110
4-Bromophenyl-phenylether	50.00	44.19	88.4	13.8	30	50 - 115
Butylbenzylphthalate	50.00	48.35	96.7	12.3	30	45 - 115
Caprolactam	50.00	8.190	16.4	38.0 *	30	10 - 110
Carbazole	50.00	54.91	110	13.7	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13023	Laboratory ID:	2H13023-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	81.23	81.2	18.9	30	45 - 110
4-Chloroaniline	50.00	42.27	84.5	11.0	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	36.80	73.6	8.61	30	45 - 105
Bis(2-chloroethyl)ether	50.00	34.37	68.7	11.9	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	31.77	63.5	9.26	30	25 - 130
2-Chloronaphthalene	50.00	29.93	59.9	11.4	30	50 - 105
2-Chlorophenol	100.0	75.27	75.3	10.5	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	40.24	80.5	18.4	30	50 - 110
Chrysene	50.00	44.72	89.4	10.7	30	55 - 110
Dibenz(a,h)anthracene	50.00	45.04	90.1	13.2	30	40 - 125
Dibenzofuran	50.00	35.91	71.8	14.3	30	55 - 105
Di-n-butylphthalate	50.00	49.98	100	11.3	30	55 - 115
3,3'-Dichlorobenzidine	50.00	44.31	88.6	8.43	30	20 - 110
2,4-Dichlorophenol	100.0	86.41	86.4	15.9	30	40 - 110
Diethylphthalate	50.00	44.97	89.9	13.9	30	40 - 120
2,4-Dimethylphenol	100.0	75.36	75.4	9.79	30	30 - 110
Dimethyl phthalate	50.00	46.69	93.4	21.3	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	94.23	94.2	18.1	30	40 - 130
2,4-Dinitrophenol	100.0	93.40	93.4	51.2 *	30	15 - 140
2,4-Dinitrotoluene	50.00	42.84	85.7	11.9	30	50 - 120
2,6-Dinitrotoluene	50.00	41.56	83.1	13.4	30	50 - 115
Di-n-octylphthalate	50.00	45.77	91.5	13.9	30	35 - 135
1,2-Diphenylhydrazine	50.00	42.27	84.5	11.3	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	46.62	93.2	12.7	30	40 - 125
Fluoranthene	50.00	44.94	89.9	10.8	30	55 - 115
Fluorene	50.00	40.15	80.3	13.1	30	50 - 110
Hexachlorobenzene	50.00	43.00	86.0	13.1	30	50 - 110
Hexachlorobutadiene	50.00	24.26	48.5	7.70	30	25 - 105
Hexachlorocyclopentadiene	50.00	25.36	50.7	19.8	30	10 - 110
Hexachloroethane	50.00	20.87	41.7	3.10	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H13023	Laboratory ID:	2H13023-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	50.00	45.04	90.1	11.5	30	45 - 125
Isophorone	50.00	32.65	65.3	10.8	30	50 - 110
1-Methylnaphthalene	50.00	34.71	69.4	12.4	30	30 - 115
2-Methylnaphthalene	50.00	28.64	57.3	12.9	30	45 - 105
2-Methylphenol	100.0	57.27	57.3	9.47	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	51.76	51.8	9.43	30	30 - 110
Naphthalene	50.00	30.06	60.1	15.0	30	40 - 100
4-Nitroaniline	50.00	53.86	108	15.2	30	35 - 120
3-Nitroaniline	50.00	45.75	91.5	12.7	30	20 - 125
2-Nitroaniline	50.00	48.45	96.9	9.73	30	50 - 115
Nitrobenzene	50.00	32.31	64.6	8.73	30	30 - 110
4-Nitrophenol	100.0	25.25	25.3	20.4	30	0 - 125
2-Nitrophenol	100.0	89.98	90.0	11.6	30	40 - 115
N-Nitrosodiphenylamine	50.00	37.15	74.3	17.8	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	35.59	71.2	8.03	30	35 - 130
Pentachlorophenol	100.0	99.29	99.3	17.2	30	40 - 115
Phenanthrene	50.00	43.57	87.1	10.2	30	50 - 115
Phenol	100.0	22.63	22.6	12.9	30	0 - 115
Pyrene	50.00	45.61	91.2	12.2	30	50 - 130
2,4,6-Trichlorophenol	100.0	89.27	89.3	9.65	30	50 - 115
2,4,5-Trichlorophenol	100.0	100.1	100	18.2	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14019	Laboratory ID:	2H14019-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	36.53	73.1	45 - 110
Acenaphthylene	50.00	40.09	80.2	50 - 105
Acetophenone	50.00	38.37	76.7	50 - 110
Anthracene	50.00	40.09	80.2	55 - 110
Atrazine	50.00	46.31	92.6	70 - 115
Benzaldehyde	50.00	35.21	70.4	10 - 180
Benzidine	50.00	100 U	0	0 - 200
Benzo(a)anthracene	50.00	42.89	85.8	55 - 110
Benzo(a)pyrene	50.00	42.71	85.4	55 - 110
Benzo(b)fluoranthene	50.00	42.97	85.9	45 - 120
Benzo(g,h,i)perylene	50.00	43.65	87.3	40 - 125
Benzoic acid	100.0	12.85	12.8	0 - 125
Benzo(k)fluoranthene	50.00	46.21	92.4	45 - 125
1,1-Biphenyl	50.00	45.30	90.6	50 - 110
4-Bromophenyl-phenylether	50.00	41.07	82.1	50 - 115
Butylbenzylphthalate	50.00	48.25	96.5	45 - 115
Caprolactam	50.00	8.600	17.2	10 - 110
Carbazole	50.00	49.12	98.2	50 - 115
4-Chloro-3-methylphenol	100.0	74.28	74.3	45 - 110
4-Chloroaniline	50.00	43.41	86.8	15 - 110
Bis(2-chloroethoxy)methane	50.00	35.91	71.8	45 - 105
Bis(2-chloroethyl)ether	50.00	31.19	62.4	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	31.44	62.9	25 - 130
2-Chloronaphthalene	50.00	33.84	67.7	50 - 105
2-Chlorophenol	100.0	52.17	52.2	35 - 105
4-Chlorophenyl phenyl ether	50.00	40.55	81.1	50 - 110
Chrysene	50.00	44.39	88.8	55 - 110
Dibenz(a,h)anthracene	50.00	42.61	85.2	40 - 125
Dibenzofuran	50.00	36.54	73.1	55 - 105
Di-n-butylphthalate	50.00	46.44	92.9	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14019	Laboratory ID:	2H14019-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	45.93	91.9	20 - 110
2,4-Dichlorophenol	100.0	65.66	65.7	40 - 110
Diethylphthalate	50.00	43.93	87.9	40 - 120
2,4-Dimethylphenol	100.0	79.80	79.8	30 - 110
Dimethyl phthalate	50.00	42.35	84.7	25 - 125
4,6-Dinitro-2-methylphenol	100.0	50.46	50.5	40 - 130
2,4-Dinitrophenol	100.0	43.63	43.6	15 - 140
2,4-Dinitrotoluene	50.00	42.67	85.3	50 - 120
2,6-Dinitrotoluene	50.00	43.06	86.1	50 - 115
Di-n-octylphthalate	50.00	46.78	93.6	35 - 135
1,2-Diphenylhydrazine	50.00	39.73	79.5	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	45.49	91.0	40 - 125
Fluoranthene	50.00	44.88	89.8	55 - 115
Fluorene	50.00	42.46	84.9	50 - 110
Hexachlorobenzene	50.00	41.52	83.0	50 - 110
Hexachlorobutadiene	50.00	24.04	48.1	25 - 105
Hexachlorocyclopentadiene	50.00	21.93	43.9	10 - 110
Hexachloroethane	50.00	20.22	40.4	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	43.02	86.0	45 - 125
Isophorone	50.00	32.78	65.6	50 - 110
1-Methylnaphthalene	50.00	38.92	77.8	30 - 115
2-Methylnaphthalene	50.00	32.02	64.0	45 - 105
2-Methylphenol	100.0	55.06	55.1	40 - 110
3-Methylphenol/4-Methylphenol	100.0	47.78	47.8	30 - 110
Naphthalene	50.00	31.98	64.0	40 - 100
4-Nitroaniline	50.00	51.21	102	35 - 120
3-Nitroaniline	50.00	46.55	93.1	20 - 125
2-Nitroaniline	50.00	48.85	97.7	50 - 115
Nitrobenzene	50.00	32.57	65.1	30 - 110
4-Nitrophenol	100.0	13.32	13.3	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14019	Laboratory ID:	2H14019-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	64.45	64.5	40 - 115
N-Nitrosodiphenylamine	50.00	35.47	70.9	50 - 110
N-Nitroso-di-n-propylamine	50.00	35.00	70.0	35 - 130
Pentachlorophenol	100.0	54.37	54.4	40 - 115
Phenanthrene	50.00	41.40	82.8	50 - 115
Phenol	100.0	17.84	17.8	0 - 115
Pyrene	50.00	44.11	88.2	50 - 130
2,4,6-Trichlorophenol	100.0	57.55	57.5	50 - 115
2,4,5-Trichlorophenol	100.0	63.63	63.6	50 - 110

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H10008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/10/12 10:57	1,000.00	1.00
GW0687	1208055-01RE1	08/10/12 10:57	1,000.00	1.00
GW0688	1208055-03	08/10/12 10:57	1,000.00	1.00
GW0689	1208055-05	08/10/12 10:57	1,000.00	1.00
GW0704	1208055-07	08/10/12 10:57	1,000.00	1.00
GW0705	1208055-09	08/10/12 10:57	1,060.00	1.00
GW0706	1208055-11	08/10/12 10:57	1,040.00	1.00
GW0707	1208055-13	08/10/12 10:57	1,070.00	1.00
GW0707	1208055-13RE1	08/10/12 10:57	1,070.00	1.00
GW0734	1208055-15	08/10/12 10:57	1,000.00	1.00
GW0735	1208055-17	08/10/12 10:57	1,000.00	1.00
GW0736	1208055-19	08/10/12 10:57	1,020.00	1.00
GW8056-RB	1208055-21	08/10/12 10:57	1,020.00	1.00
Blank	2H10008-BLK1	08/10/12 10:57	1,000.00	1.00
LCS	2H10008-BS1	08/10/12 10:57	1,000.00	1.00
LCS Dup	2H10008-BSD1	08/10/12 10:57	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H13023 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0633	1208065-01	08/14/12 14:23	1,020.00	1.00
GW0634	1208065-03	08/14/12 14:23	1,040.00	1.00
GW0636	1208065-05	08/14/12 14:23	1,040.00	1.00
GW0642	1208065-07	08/14/12 14:23	1,020.00	1.00
GW0695	1208065-09	08/14/12 14:23	1,020.00	1.00
GW0696	1208065-11	08/14/12 14:23	1,060.00	1.00
GW0733	1208065-13	08/14/12 14:23	1,020.00	1.00
GW8057-RB	1208065-15	08/14/12 14:23	1,020.00	1.00
Blank	2H13023-BLK1	08/13/12 15:56	1,000.00	1.00
LCS	2H13023-BS1	08/13/12 15:56	1,000.00	1.00
LCS Dup	2H13023-BSD1	08/13/12 15:56	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14019 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01	08/15/12 11:42	1,000.00	1.00
GW0637	1208078-03	08/15/12 11:42	1,020.00	1.00
GW0641	1208078-05	08/15/12 11:42	1,060.00	1.00
GW0641	1208078-05RE1	08/15/12 11:42	1,060.00	1.00
GW0694	1208078-07	08/15/12 11:42	1,060.00	1.00
GW0694	1208078-07RE1	08/15/12 11:42	1,060.00	1.00
GW0708	1208078-09	08/15/12 11:42	1,000.00	1.00
Blank	2H14019-BLK1	08/15/12 11:42	1,000.00	1.00
LCS	2H14019-BS1	08/15/12 11:42	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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_060
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_060
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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/21/12
Instrument ID:	MS-BNA1	Injection Time:	10:49
Sequence:	2H23622	Lab Sample ID:	2H23622-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.5	PASS
68	Less than 2% of 69	1.99	PASS
69	Less than 200% of 198	65	PASS
70	Less than 2% of 69	0.868	PASS
127	40 - 60% of 198	56.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.22	PASS
275	10 - 30% of 198	17.7	PASS
365	1 - 200% of 198	2.17	PASS
441	0.001 - 100% of 443	69.7	PASS
442	40 - 200% of 198	71.1	PASS
443	17 - 23% of 442	18.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/24/12
Instrument ID:	MS-BNA1	Injection Time:	15:04
Sequence:	2H24014	Lab Sample ID:	2H24014-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.2	PASS
68	Less than 2% of 69	0.817	PASS
69	Less than 200% of 198	60.6	PASS
70	Less than 2% of 69	0.855	PASS
127	40 - 60% of 198	53.6	PASS
197	Less than 1% of 198	0.363	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.73	PASS
275	10 - 30% of 198	18.8	PASS
365	1 - 200% of 198	2.02	PASS
441	0.001 - 100% of 443	75.6	PASS
442	40 - 200% of 198	73.3	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/27/12
Instrument ID:	MS-BNA1	Injection Time:	11:33
Sequence:	2H24101	Lab Sample ID:	2H24101-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.3	PASS
68	Less than 2% of 69	1.66	PASS
69	Less than 200% of 198	59.1	PASS
70	Less than 2% of 69	0.806	PASS
127	40 - 60% of 198	56.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.27	PASS
275	10 - 30% of 198	19.7	PASS
365	1 - 200% of 198	2.26	PASS
441	0.001 - 100% of 443	82.3	PASS
442	40 - 200% of 198	82.6	PASS
443	17 - 23% of 442	18.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/28/12
Instrument ID:	MS-BNA1	Injection Time:	07:27
Sequence:	2H24201	Lab Sample ID:	2H24201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	45.5	PASS
68	Less than 2% of 69	0.372	PASS
69	Less than 200% of 198	62.1	PASS
70	Less than 2% of 69	0.1	PASS
127	40 - 60% of 198	54.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.59	PASS
275	10 - 30% of 198	18	PASS
365	1 - 200% of 198	2.25	PASS
441	0.001 - 100% of 443	80	PASS
442	40 - 200% of 198	73.9	PASS
443	17 - 23% of 442	18	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H23622-TUN1	SEQ-TUN1.D	08/21/12 10:49
Calibration Check	2H23622-CCV1	SEQ-CCV1.D	08/21/12 11:16
Calibration Check	2H23622-CCV2	SEQ-CCV2.D	08/21/12 11:43
Blank	2H10008-BLK1	H10008B1.D	08/21/12 12:10
LCS	2H10008-BS1	H10008L1.D	08/21/12 12:37
LCS Dup	2H10008-BSD1	H10008L2.D	08/21/12 13:05
GW0687	1208055-01	0805501D.D	08/21/12 13:32
GW0688	1208055-03	0805503.D	08/21/12 14:54
GW0689	1208055-05	0805505.D	08/21/12 15:21
GW0704	1208055-07	0805507.D	08/21/12 15:48
GW0705	1208055-09	0805509.D	08/21/12 16:15
GW0706	1208055-11	0805511.D	08/21/12 16:42
GW0734	1208055-15	0805515.D	08/21/12 17:09
GW0735	1208055-17	0805517.D	08/21/12 17:36
GW0736	1208055-19	0805519.D	08/21/12 18:03
GW8056-RB	1208055-21	0805521.D	08/21/12 18:30
GW0687	1208055-01RE1	805501D2.D	08/21/12 18:58
GW0707	1208055-13	805513D2.D	08/21/12 19:25
GW0707	1208055-13RE1	805513D3.D	08/21/12 19:52

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H24014-TUN1	SEQ-TUN1.D	08/24/12 15:04
Calibration Check	2H24014-CCV1	SEQ-CCV1.D	08/24/12 16:40
Calibration Check	2H24014-CCV2	SEQ-CCV2.D	08/24/12 17:07
Blank	2H13023-BLK1	H13023B1.D	08/24/12 17:34
LCS	2H13023-BS1	H13023L1.D	08/24/12 18:01
LCS Dup	2H13023-BSD1	H13023L2.D	08/24/12 18:28
GW0633	1208065-01	0806501.D	08/24/12 18:55
GW0634	1208065-03	0806503.D	08/24/12 19:22
GW0636	1208065-05	0806505.D	08/24/12 19:50
GW0642	1208065-07	0806507.D	08/24/12 20:17
GW0695	1208065-09	0806509.D	08/24/12 20:44
GW0696	1208065-11	0806511.D	08/24/12 21:11
GW0733	1208065-13	0806513.D	08/24/12 21:38
GW8057-RB	1208065-15	0806515.D	08/24/12 22:05

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24101	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H24101-TUN1	SEQ-TUN1.D	08/27/12 11:33
Calibration Check	2H24101-CCV1	SEQ-CCV1.D	08/27/12 11:57
Calibration Check	2H24101-CCV2	SEQ-CCV2.D	08/27/12 12:25
Blank	2H14019-BLK1	H14019B1.D	08/27/12 17:36
LCS	2H14019-BS1	H14019L1.D	08/27/12 18:04
GW0632	1208078-01	0807801D.D	08/27/12 18:31
GW0637	1208078-03	0807803D.D	08/27/12 18:59
GW0641	1208078-05	0807805D.D	08/27/12 19:26
GW0694	1208078-07	0807807D.D	08/27/12 19:53
GW0708	1208078-09	0807809.D	08/27/12 20:20

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24201	Instrument:	MS-BNA1
Calibration:	2156006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2H24201-TUN1	SEQ-TUN1.D	08/28/12 07:27
Calibration Check	2H24201-CCV1	SEQ-CCV1.D	08/28/12 07:50
Calibration Check	2H24201-CCV2	SEQ-CCV2.D	08/28/12 08:17
GW0641	1208078-05RE1	0807805D.D	08/28/12 08:45
GW0694	1208078-07RE1	0807807D.D	08/28/12 09:12

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H23622-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/21/12 11:16			
1,4-Dichlorobenzene-d4	581577	5.057	567077	5.575	103	50 - 200	-0.5180	+/-0.50	
Naphthalene-d8	2290515	6.757	2257819	7.266	101	50 - 200	-0.5090	+/-0.50	
Acenaphthene-d10	1042083	9.002	1041422	9.511	100	50 - 200	-0.5090	+/-0.50	
Phenanthrene-d10	1685553	10.794	1729504	11.304	97	50 - 200	-0.5100	+/-0.50	
Chrysene-d12	1510212	14.073	1493143	14.683	101	50 - 200	-0.6100	+/-0.50	
Perylene-d12	1139409	16.183	1350302	16.936	84	50 - 200	-0.7530	+/-0.50	
Calibration Check (2H23622-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/21/12 11:43			
1,4-Dichlorobenzene-d4	550148	5.057	581577	5.057	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2269639	6.759	2290515	6.757	99	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1006878	9.008	1042083	9.002	97	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1625521	10.789	1685553	10.794	96	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1502251	14.065	1510212	14.073	99	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1196861	16.184	1139409	16.183	105	50 - 200	0.0010	+/-0.50	
Blank (2H10008-BLK1)			Lab File ID: H10008B1.D			Analyzed: 08/21/12 12:10			
1,4-Dichlorobenzene-d4	640539	5.054	581577	5.057	110	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2682533	6.757	2290515	6.757	117	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1105719	9	1042083	9.002	106	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1850635	10.789	1685553	10.794	110	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1682763	14.064	1510212	14.073	111	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1437147	16.188	1139409	16.183	126	50 - 200	0.0050	+/-0.50	
LCS (2H10008-BS1)			Lab File ID: H10008L1.D			Analyzed: 08/21/12 12:37			
1,4-Dichlorobenzene-d4	602204	5.052	581577	5.057	104	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2397704	6.761	2290515	6.757	105	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1037760	9.004	1042083	9.002	100	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1650960	10.794	1685553	10.794	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1384090	14.07	1510212	14.073	92	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1284566	16.18	1139409	16.183	113	50 - 200	-0.0030	+/-0.50	
LCS Dup (2H10008-BSD1)			Lab File ID: H10008L2.D			Analyzed: 08/21/12 13:05			
1,4-Dichlorobenzene-d4	603191	5.056	581577	5.057	104	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2558976	6.757	2290515	6.757	112	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1157326	9.009	1042083	9.002	111	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	1784510	10.795	1685553	10.794	106	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1453926	14.071	1510212	14.073	96	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1166593	16.181	1139409	16.183	102	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0687 (1208055-01)			Lab File ID: 0805501D.D			Analyzed: 08/21/12 13:32			
1,4-Dichlorobenzene-d4	542124	5.052	581577	5.057	93	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2121016	6.759	2290515	6.757	93	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	988742	9.003	1042083	9.002	95	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1598373	10.79	1685553	10.794	95	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1461110	14.068	1510212	14.073	97	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1273304	16.18	1139409	16.183	112	50 - 200	-0.0030	+/-0.50	
GW0688 (1208055-03)			Lab File ID: 0805503.D			Analyzed: 08/21/12 14:54			
1,4-Dichlorobenzene-d4	525928	5.052	581577	5.057	90	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2125299	6.755	2290515	6.757	93	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1005192	9.004	1042083	9.002	96	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1562047	10.794	1685553	10.794	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1386405	14.061	1510212	14.073	92	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1174673	16.181	1139409	16.183	103	50 - 200	-0.0020	+/-0.50	
GW0689 (1208055-05)			Lab File ID: 0805505.D			Analyzed: 08/21/12 15:21			
1,4-Dichlorobenzene-d4	539309	5.06	581577	5.057	93	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2223707	6.761	2290515	6.757	97	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1007953	9.008	1042083	9.002	97	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1609133	10.788	1685553	10.794	95	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1504148	14.062	1510212	14.073	100	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1270357	16.182	1139409	16.183	111	50 - 200	-0.0010	+/-0.50	
GW0704 (1208055-07)			Lab File ID: 0805507.D			Analyzed: 08/21/12 15:48			
1,4-Dichlorobenzene-d4	592818	5.057	581577	5.057	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2294637	6.758	2290515	6.757	100	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1067263	9.004	1042083	9.002	102	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1748300	10.788	1685553	10.794	104	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1562396	14.068	1510212	14.073	103	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1333608	16.18	1139409	16.183	117	50 - 200	-0.0030	+/-0.50	
GW0705 (1208055-09)			Lab File ID: 0805509.D			Analyzed: 08/21/12 16:15			
1,4-Dichlorobenzene-d4	507677	5.053	581577	5.057	87	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2020162	6.753	2290515	6.757	88	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	912903	9.002	1042083	9.002	88	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1465573	10.793	1685553	10.794	87	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1351572	14.068	1510212	14.073	89	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1143015	16.177	1139409	16.183	100	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0706 (1208055-11)			Lab File ID: 0805511.D			Analyzed: 08/21/12 16:42			
1,4-Dichlorobenzene-d4	496682	5.052	581577	5.057	85	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1999689	6.754	2290515	6.757	87	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	942627	9.004	1042083	9.002	90	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1526371	10.792	1685553	10.794	91	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1341522	14.068	1510212	14.073	89	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1134282	16.182	1139409	16.183	100	50 - 200	-0.0010	+/-0.50	
GW0734 (1208055-15)			Lab File ID: 0805515.D			Analyzed: 08/21/12 17:09			
1,4-Dichlorobenzene-d4	568738	5.051	581577	5.057	98	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2296272	6.761	2290515	6.757	100	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1077217	9.002	1042083	9.002	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1682721	10.789	1685553	10.794	100	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1507451	14.063	1510212	14.073	100	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1301611	16.179	1139409	16.183	114	50 - 200	-0.0040	+/-0.50	
GW0735 (1208055-17)			Lab File ID: 0805517.D			Analyzed: 08/21/12 17:36			
1,4-Dichlorobenzene-d4	554769	5.053	581577	5.057	95	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2262215	6.753	2290515	6.757	99	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1063452	9.002	1042083	9.002	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1692523	10.791	1685553	10.794	100	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1522695	14.066	1510212	14.073	101	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1308463	16.179	1139409	16.183	115	50 - 200	-0.0040	+/-0.50	
GW0736 (1208055-19)			Lab File ID: 0805519.D			Analyzed: 08/21/12 18:03			
1,4-Dichlorobenzene-d4	582593	5.052	581577	5.057	100	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2394224	6.753	2290515	6.757	105	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1109613	9.002	1042083	9.002	106	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1799621	10.788	1685553	10.794	107	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1629243	14.066	1510212	14.073	108	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1390948	16.185	1139409	16.183	122	50 - 200	0.0020	+/-0.50	
GW8056-RB (1208055-21)			Lab File ID: 0805521.D			Analyzed: 08/21/12 18:30			
1,4-Dichlorobenzene-d4	604388	5.054	581577	5.057	104	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2407914	6.756	2290515	6.757	105	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1139257	9.008	1042083	9.002	109	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1785273	10.788	1685553	10.794	106	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1607911	14.062	1510212	14.073	106	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1372315	16.18	1139409	16.183	120	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23622	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0687 (1208055-01RE1)			Lab File ID: 805501D2.D			Analyzed: 08/21/12 18:58			
1,4-Dichlorobenzene-d4	579885	5.053	581577	5.057	100	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2447913	6.753	2290515	6.757	107	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1116752	9.004	1042083	9.002	107	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1784317	10.793	1685553	10.794	106	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1632598	14.061	1510212	14.073	108	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1376522	16.176	1139409	16.183	121	50 - 200	-0.0070	+/-0.50	
GW0707 (1208055-13)			Lab File ID: 805513D2.D			Analyzed: 08/21/12 19:25			
1,4-Dichlorobenzene-d4	592799	5.057	581577	5.057	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2265729	6.763	2290515	6.757	99	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	1108936	9.008	1042083	9.002	106	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	1729450	10.787	1685553	10.794	103	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1603106	14.061	1510212	14.073	106	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1374767	16.184	1139409	16.183	121	50 - 200	0.0010	+/-0.50	
GW0707 (1208055-13RE1)			Lab File ID: 805513D3.D			Analyzed: 08/21/12 19:52			
1,4-Dichlorobenzene-d4	613093	5.059	581577	5.057	105	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2436098	6.759	2290515	6.757	106	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1103519	9.002	1042083	9.002	106	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1733910	10.789	1685553	10.794	103	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1641479	14.068	1510212	14.073	109	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1373476	16.183	1139409	16.183	121	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H24014-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/24/12 16:40			
1,4-Dichlorobenzene-d4	475142	5.03	567077	5.575	84	50 - 200	-0.5450	+/-0.50	
Naphthalene-d8	1997251	6.739	2257819	7.266	88	50 - 200	-0.5270	+/-0.50	
Acenaphthene-d10	933332	8.981	1041422	9.511	90	50 - 200	-0.5300	+/-0.50	
Phenanthrene-d10	1517097	10.773	1729504	11.304	88	50 - 200	-0.5310	+/-0.50	
Chrysene-d12	1369146	14.043	1493143	14.683	92	50 - 200	-0.6400	+/-0.50	
Perylene-d12	1217300	16.148	1350302	16.936	90	50 - 200	-0.7880	+/-0.50	
Calibration Check (2H24014-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/24/12 17:07			
1,4-Dichlorobenzene-d4	490435	5.03	475142	5.03	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2008109	6.74	1997251	6.739	101	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	992386	8.985	933332	8.981	106	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1518587	10.763	1517097	10.773	100	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1432716	14.037	1369146	14.043	105	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1267096	16.144	1217300	16.148	104	50 - 200	-0.0040	+/-0.50	
Blank (2H13023-BLK1)			Lab File ID: H13023B1.D			Analyzed: 08/24/12 17:34			
1,4-Dichlorobenzene-d4	478458	5.029	475142	5.03	101	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1882429	6.739	1997251	6.739	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	865170	8.978	933332	8.981	93	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1395674	10.767	1517097	10.773	92	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1283608	14.034	1369146	14.043	94	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1114030	16.149	1217300	16.148	92	50 - 200	0.0010	+/-0.50	
LCS (2H13023-BS1)			Lab File ID: H13023L1.D			Analyzed: 08/24/12 18:01			
1,4-Dichlorobenzene-d4	482508	5.032	475142	5.03	102	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1967984	6.734	1997251	6.739	99	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	911330	8.982	933332	8.981	98	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1466401	10.765	1517097	10.773	97	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1348854	14.039	1369146	14.043	99	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1153895	16.146	1217300	16.148	95	50 - 200	-0.0020	+/-0.50	
LCS Dup (2H13023-BSD1)			Lab File ID: H13023L2.D			Analyzed: 08/24/12 18:28			
1,4-Dichlorobenzene-d4	544802	5.028	475142	5.03	115	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2170649	6.732	1997251	6.739	109	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	980314	8.985	933332	8.981	105	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1638217	10.766	1517097	10.773	108	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1504396	14.037	1369146	14.043	110	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1291595	16.144	1217300	16.148	106	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0633 (1208065-01)			Lab File ID: 0806501.D			Analyzed: 08/24/12 18:55			
1,4-Dichlorobenzene-d4	505647	5.032	475142	5.03	106	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2086268	6.735	1997251	6.739	104	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	934740	8.986	933332	8.981	100	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1585227	10.765	1517097	10.773	104	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1498031	14.035	1369146	14.043	109	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1274716	16.145	1217300	16.148	105	50 - 200	-0.0030	+/-0.50	
GW0634 (1208065-03)			Lab File ID: 0806503.D			Analyzed: 08/24/12 19:22			
1,4-Dichlorobenzene-d4	515350	5.026	475142	5.03	108	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1961565	6.734	1997251	6.739	98	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	929491	8.98	933332	8.981	100	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1569705	10.761	1517097	10.773	103	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	1460533	14.035	1369146	14.043	107	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1247046	16.15	1217300	16.148	102	50 - 200	0.0020	+/-0.50	
GW0636 (1208065-05)			Lab File ID: 0806505.D			Analyzed: 08/24/12 19:50			
1,4-Dichlorobenzene-d4	535575	5.032	475142	5.03	113	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2142461	6.735	1997251	6.739	107	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	954777	8.981	933332	8.981	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1576727	10.77	1517097	10.773	104	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1498703	14.038	1369146	14.043	109	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1296312	16.146	1217300	16.148	106	50 - 200	-0.0020	+/-0.50	
GW0642 (1208065-07)			Lab File ID: 0806507.D			Analyzed: 08/24/12 20:17			
1,4-Dichlorobenzene-d4	513003	5.033	475142	5.03	108	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1965485	6.734	1997251	6.739	98	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	913206	8.977	933332	8.981	98	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1468683	10.763	1517097	10.773	97	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1395397	14.038	1369146	14.043	102	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1191360	16.15	1217300	16.148	98	50 - 200	0.0020	+/-0.50	
GW0695 (1208065-09)			Lab File ID: 0806509.D			Analyzed: 08/24/12 20:44			
1,4-Dichlorobenzene-d4	496529	5.032	475142	5.03	105	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1923452	6.734	1997251	6.739	96	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	910011	8.985	933332	8.981	98	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1459945	10.763	1517097	10.773	96	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1388512	14.039	1369146	14.043	101	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1204164	16.145	1217300	16.148	99	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24014	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0696 (1208065-11)			Lab File ID: 0806511.D			Analyzed: 08/24/12 21:11			
1,4-Dichlorobenzene-d4	564305	5.023	475142	5.03	119	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2251800	6.735	1997251	6.739	113	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1019169	8.984	933332	8.981	109	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1720692	10.762	1517097	10.773	113	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1591834	14.031	1369146	14.043	116	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1351307	16.145	1217300	16.148	111	50 - 200	-0.0030	+/-0.50	
GW0733 (1208065-13)			Lab File ID: 0806513.D			Analyzed: 08/24/12 21:38			
1,4-Dichlorobenzene-d4	523954	5.03	475142	5.03	110	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2067786	6.731	1997251	6.739	104	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	991620	8.98	933332	8.981	106	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1584360	10.769	1517097	10.773	104	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1495369	14.03	1369146	14.043	109	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1267136	16.145	1217300	16.148	104	50 - 200	-0.0030	+/-0.50	
GW8057-RB (1208065-15)			Lab File ID: 0806515.D			Analyzed: 08/24/12 22:05			
1,4-Dichlorobenzene-d4	495929	5.03	475142	5.03	104	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1980272	6.733	1997251	6.739	99	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	890901	8.98	933332	8.981	95	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1479489	10.765	1517097	10.773	98	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1414085	14.03	1369146	14.043	103	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1228699	16.14	1217300	16.148	101	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24101	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H24101-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/27/12 11:57			
1,4-Dichlorobenzene-d4	434607	5.03	567077	5.575	77	50 - 200	-0.5450	+/-0.50	
Naphthalene-d8	1752719	6.73	2257819	7.266	78	50 - 200	-0.5360	+/-0.50	
Acenaphthene-d10	862110	8.984	1041422	9.511	83	50 - 200	-0.5270	+/-0.50	
Phenanthrene-d10	1400013	10.767	1729504	11.304	81	50 - 200	-0.5370	+/-0.50	
Chrysene-d12	1277186	14.032	1493143	14.683	86	50 - 200	-0.6510	+/-0.50	
Perylene-d12	1104000	16.141	1350302	16.936	82	50 - 200	-0.7950	+/-0.50	
Calibration Check (2H24101-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/27/12 12:25			
1,4-Dichlorobenzene-d4	437921	5.032	434607	5.03	101	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1837480	6.733	1752719	6.73	105	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	834469	8.981	862110	8.984	97	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1310698	10.767	1400013	10.767	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1278509	14.032	1277186	14.032	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	1084568	16.143	1104000	16.141	98	50 - 200	0.0020	+/-0.50	
Blank (2H14019-BLK1)			Lab File ID: H14019B1.D			Analyzed: 08/27/12 17:36			
1,4-Dichlorobenzene-d4	518883	5.033	434607	5.03	119	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2166653	6.736	1752719	6.73	124	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	978533	8.985	862110	8.984	114	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1634420	10.765	1400013	10.767	117	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1442454	14.039	1277186	14.032	113	50 - 200	0.0070	+/-0.50	
Perylene-d12	1229231	16.144	1104000	16.141	111	50 - 200	0.0030	+/-0.50	
LCS (2H14019-BS1)			Lab File ID: H14019L1.D			Analyzed: 08/27/12 18:04			
1,4-Dichlorobenzene-d4	497690	5.033	434607	5.03	115	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1926339	6.737	1752719	6.73	110	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	887345	8.983	862110	8.984	103	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1494937	10.767	1400013	10.767	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1354784	14.042	1277186	14.032	106	50 - 200	0.0100	+/-0.50	
Perylene-d12	1168646	16.151	1104000	16.141	106	50 - 200	0.0100	+/-0.50	
GW0632 (1208078-01)			Lab File ID: 0807801D.D			Analyzed: 08/27/12 18:31			
1,4-Dichlorobenzene-d4	453175	5.026	434607	5.03	104	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1936493	6.733	1752719	6.73	110	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	836906	8.984	862110	8.984	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1328799	10.771	1400013	10.767	95	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1268864	14.039	1277186	14.032	99	50 - 200	0.0070	+/-0.50	
Perylene-d12	1135207	16.145	1104000	16.141	103	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24101	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0637 (1208078-03)			Lab File ID: 0807803D.D			Analyzed: 08/27/12 18:59			
1,4-Dichlorobenzene-d4	479122	5.034	434607	5.03	110	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1902621	6.735	1752719	6.73	109	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	906144	8.983	862110	8.984	105	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1437935	10.764	1400013	10.767	103	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1354794	14.034	1277186	14.032	106	50 - 200	0.0020	+/-0.50	
Perylene-d12	1212185	16.149	1104000	16.141	110	50 - 200	0.0080	+/-0.50	
GW0641 (1208078-05)			Lab File ID: 0807805D.D			Analyzed: 08/27/12 19:26			
1,4-Dichlorobenzene-d4	477344	5.027	434607	5.03	110	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1762363	6.743	1752719	6.73	101	50 - 200	0.0130	+/-0.50	
Acenaphthene-d10	924357	8.986	862110	8.984	107	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1443664	10.764	1400013	10.767	103	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1385140	14.037	1277186	14.032	108	50 - 200	0.0050	+/-0.50	
Perylene-d12	1187987	16.145	1104000	16.141	108	50 - 200	0.0040	+/-0.50	
GW0694 (1208078-07)			Lab File ID: 0807807D.D			Analyzed: 08/27/12 19:53			
1,4-Dichlorobenzene-d4	496528	5.029	434607	5.03	114	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1795564	6.736	1752719	6.73	102	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	963463	8.986	862110	8.984	112	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1451419	10.772	1400013	10.767	104	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1428996	14.037	1277186	14.032	112	50 - 200	0.0050	+/-0.50	
Perylene-d12	1238088	16.146	1104000	16.141	112	50 - 200	0.0050	+/-0.50	
GW0708 (1208078-09)			Lab File ID: 0807809.D			Analyzed: 08/27/12 20:20			
1,4-Dichlorobenzene-d4	507251	5.032	434607	5.03	117	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2072389	6.733	1752719	6.73	118	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	957614	8.981	862110	8.984	111	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1485319	10.761	1400013	10.767	106	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1416289	14.035	1277186	14.032	111	50 - 200	0.0030	+/-0.50	
Perylene-d12	1213718	16.147	1104000	16.141	110	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24201	Instrument:	MS-BNA1
		Calibration:	2156006

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2H24201-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/28/12 07:50			
1,4-Dichlorobenzene-d4	565137	5.031	567077	5.575	100	50 - 200	-0.5440	+/-0.50	
Naphthalene-d8	2440946	6.733	2257819	7.266	108	50 - 200	-0.5330	+/-0.50	
Acenaphthene-d10	1105796	8.978	1041422	9.511	106	50 - 200	-0.5330	+/-0.50	
Phenanthrene-d10	1822623	10.763	1729504	11.304	105	50 - 200	-0.5410	+/-0.50	
Chrysene-d12	1631384	14.04	1493143	14.683	109	50 - 200	-0.6430	+/-0.50	
Perylene-d12	1434741	16.146	1350302	16.936	106	50 - 200	-0.7900	+/-0.50	
Calibration Check (2H24201-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/28/12 08:17			
1,4-Dichlorobenzene-d4	537746	5.031	565137	5.031	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2289982	6.731	2440946	6.733	94	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1045403	8.977	1105796	8.978	95	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1637010	10.763	1822623	10.763	90	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1508061	14.037	1631384	14.04	92	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1307949	16.137	1434741	16.146	91	50 - 200	-0.0090	+/-0.50	
GW0641 (1208078-05RE1)			Lab File ID: 0807805D.D			Analyzed: 08/28/12 08:45			
1,4-Dichlorobenzene-d4	434592	5.024	565137	5.031	77	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	1855669	6.728	2440946	6.733	76	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	883000	8.983	1105796	8.978	80	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	1331588	10.761	1822623	10.763	73	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1226417	14.037	1631384	14.04	75	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1069297	16.144	1434741	16.146	75	50 - 200	-0.0020	+/-0.50	
GW0694 (1208078-07RE1)			Lab File ID: 0807807D.D			Analyzed: 08/28/12 09:12			
1,4-Dichlorobenzene-d4	493972	5.026	565137	5.031	87	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2102679	6.73	2440946	6.733	86	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1000404	8.982	1105796	8.978	90	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1500774	10.763	1822623	10.763	82	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1430136	14.033	1631384	14.04	88	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1261655	16.141	1434741	16.146	88	50 - 200	-0.0050	+/-0.50	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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_060
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_060
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_060
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_060
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_060
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_060
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_060
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_060
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_060	
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_060
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_060
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_060
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_060
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_060
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_060
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_060
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_060
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_060
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_060
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:	2H23622	Injection Date:	08/21/12
Lab Sample ID:	2H23622-CCV1	Injection Time:	11:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.68	1.136987	1.220796	0.9	7.4	20
Acenaphthylene	A	50.00	55.38	1.876142	2.077833	0.9	10.8	20
Anthracene	A	50.00	54.92	1.054797	1.158591	0.7	9.8	20
Benzo(a)anthracene	A	50.00	53.38	1.127046	1.20332	0.8	6.8	20
Benzo(a)pyrene	A	50.00	52.84	1.037678	1.096693	0.7	5.7	20
Benzo(b)fluoranthene	A	50.00	56.98	1.119538	1.275783	0.7	14.0	20
Benzo(g,h,i)perylene	A	50.00	55.72	0.9327314	1.039474	0.5	11.4	20
Benzoic acid	L	50.00	41.01	0.2119614	0.1648531	0.01	-18.0	20
Benzo(k)fluoranthene	A	50.00	53.98	1.183338	1.277466	0.7	8.0	20
4-Bromophenyl-phenylether	A	50.00	53.57	0.1888061	0.2022819	0.1	7.1	20
Butylbenzylphthalate	A	50.00	56.03	0.6706426	0.7515072	0.01	12.1	20
Carbazole	A	50.00	57.34	1.013887	1.162734	0.01	14.7	20
4-Chloro-3-methylphenol	A	50.00	50.15	0.2913522	0.292204	0.2	0.3	20
4-Chloroaniline	A	50.00	54.70	0.4367423	0.4777888	0.01	9.4	20
Bis(2-chloroethoxy)methane	A	50.00	46.92	0.5182488	0.4863622	0.3	-6.2	20
Bis(2-chloroethyl)ether	A	50.00	45.23	1.849551	1.673081	0.7	-9.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	53.34	2.322149	2.477376	0.01	6.7	20
2-Chloronaphthalene	A	50.00	53.08	1.14673	1.217449	0.8	6.2	20
2-Chlorophenol	A	50.00	53.21	1.49343	1.589403	0.8	6.4	20
4-Chlorophenyl phenyl ether	A	50.00	54.91	0.5655923	0.6211252	0.4	9.8	20
Chrysene	A	50.00	52.22	1.056978	1.10399	0.7	4.4	20
Dibenz(a,h)anthracene	A	50.00	54.80	0.927476	1.016589	0.4	9.6	20
Dibenzofuran	A	50.00	52.94	1.556891	1.648577	0.8	5.9	20
Di-n-butylphthalate	A	50.00	56.91	1.422346	1.619021	0.01	13.8	20
2,4-Dichlorophenol	A	50.00	54.19	0.241012	0.2612055	0.2	8.4	20
Diethylphthalate	A	50.00	54.30	1.3631	1.480461	0.01	8.6	20
2,4-Dimethylphenol	A	50.00	50.11	0.3519307	0.3526983	0.2	0.2	20
Dimethyl phthalate	A	50.00	53.19	1.312894	1.396676	0.01	6.4	20
4,6-Dinitro-2-methylphenol	L	50.00	49.04	0.1423453	0.1508258	0.01	-1.9	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H23622	Injection Date:	08/21/12
Lab Sample ID:	2H23622-CCV1	Injection Time:	11:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	47.34	0.189189	0.1925029	0.01	-5.3	20
2,4-Dinitrotoluene	A	50.00	53.80	0.4026331	0.433207	0.2	7.6	20
2,6-Dinitrotoluene	A	50.00	53.48	0.3082828	0.3297757	0.2	7.0	20
Di-n-octylphthalate	L	50.00	58.23	1.691535	2.201912	0.01	16.5	20
1,2-Diphenylhydrazine	A	50.00	47.17	1.206569	1.138215	0.01	-5.7	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.35	0.9262458	1.006797	0.01	8.7	20
Fluoranthene	A	50.00	56.01	1.116696	1.250955	0.6	12.0	20
Fluorene	A	50.00	55.66	1.192539	1.327513	0.9	11.3	20
Hexachlorobenzene	A	50.00	51.83	0.2086611	0.2163003	0.1	3.7	20
Hexachlorobutadiene	A	50.00	48.70	0.1401148	0.136465	0.01	-2.6	20
Hexachlorocyclopentadiene	A	50.00	51.65	0.3377187	0.3488927	0.05	3.3	20
Hexachloroethane	A	50.00	50.54	0.6768699	0.6842293	0.3	1.1	20
Indeno(1,2,3-cd)pyrene	A	50.00	54.54	1.101365	1.201402	0.5	9.1	20
Isophorone	A	50.00	43.84	0.8641251	0.7577527	0.4	-12.3	20
1-Methylnaphthalene	A	50.00	54.40	0.4880715	0.531054	0.01	8.8	20
2-Methylnaphthalene	A	50.00	55.32	0.5061603	0.5600602	0.4	10.6	20
2-Methylphenol	A	50.00	52.18	1.397021	1.457949	0.7	4.4	20
3-Methylphenol/4-Methylphenol	A	50.00	51.77	1.442796	1.494007		3.5	20
Naphthalene	L	50.00	56.53	1.050386	1.17225	0.7	13.1	20
4-Nitroaniline	A	50.00	55.59	0.4178622	0.4646056	0.01	11.2	20
3-Nitroaniline	A	50.00	54.58	0.4255398	0.4645588	0.01	9.2	20
2-Nitroaniline	A	50.00	50.35	0.3916404	0.3943908	0.01	0.7	20
Nitrobenzene	A	50.00	46.92	0.4425367	0.4153117	0.2	-6.2	20
4-Nitrophenol	A	50.00	51.00	0.2791278	0.2847297	0.01	2.0	20
2-Nitrophenol	A	50.00	55.74	0.1927768	0.2149211	0.1	11.5	20
N-Nitrosodiphenylamine	A	50.00	56.38	0.6161259	0.6947337	0.01	12.8	20
N-Nitroso-di-n-propylamine	A	50.00	48.98	1.158591	1.13505	0.5	-2.0	20
Pentachlorophenol	L	50.00	48.51	0.1325918	0.1348149	0.05	-3.0	20
Phenanthrene	A	50.00	55.48	1.031015	1.143974	0.7	11.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H23622	Injection Date:	08/21/12
Lab Sample ID:	2H23622-CCV1	Injection Time:	11:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.33	2.325149	2.201024	0.8	-5.3	20
Pyrene	A	50.00	54.51	1.294953	1.411795	0.6	9.0	20
2,4,6-Trichlorophenol	A	50.00	52.86	0.3586929	0.3792143	0.2	5.7	20
2,4,5-Trichlorophenol	A	50.00	50.05	0.364007	0.3643871	0.2	0.1	20
2-Fluorobiphenyl	A	50.00	54.26	1.275261	1.383939	0.01	8.5	20
2-Fluorophenol	A	100.0	105.0	1.495125	1.56963	0.01	5.0	20
Nitrobenzene-d5	A	50.00	44.12	0.4397155	0.3879697	0.01	-11.8	20
Phenol-d6	A	100.0	97.10	1.998108	1.9401	0.01	-2.9	20
Terphenyl-d14	A	50.00	60.46	0.7510018	0.9080971	0.01	20.9	20 *
2,4,6-Tribromophenol	A	100.0	109.4	0.1098978	0.1202867	0.01	9.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H23622	Injection Date:	08/21/12
Lab Sample ID:	2H23622-CCV2	Injection Time:	11:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.39	1.981805	1.957694	0.01	-1.2	20
Atrazine	A	50.00	52.99	0.1871073	0.1982838	0.01	6.0	20
Benzaldehyde	A	50.00	46.60	1.329702	1.239245	0.01	-6.8	20
Benzidine	A	50.00	53.63	0.8176906	0.87703	0.01	7.3	20
1,1-Biphenyl	A	50.00	56.09	1.459667	1.637389	0.01	12.2	20
Caprolactam	A	50.00	47.98	0.1167348	0.1120294	0.01	-4.0	20
3,3'-Dichlorobenzidine	A	50.00	53.72	0.384325	0.4129504	0.01	7.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24014	Injection Date:	08/24/12
Lab Sample ID:	2H24014-CCV1	Injection Time:	16:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	52.49	1.136987	1.193574	0.9	5.0	20	
Acenaphthylene	A	50.00	53.46	1.876142	2.005863	0.9	6.9	20	
Anthracene	A	50.00	53.31	1.054797	1.124626	0.7	6.6	20	
Benzo(a)anthracene	A	50.00	53.69	1.127046	1.210173	0.8	7.4	20	
Benzo(a)pyrene	A	50.00	53.50	1.037678	1.110244	0.7	7.0	20	
Benzo(b)fluoranthene	A	50.00	57.98	1.119538	1.298211	0.7	16.0	20	
Benzo(g,h,i)perylene	A	50.00	54.00	0.9327314	1.007434	0.5	8.0	20	
Benzoic acid	L	50.00	36.82	0.2119614	0.1404198	0.01	-26.4	20	*
Benzo(k)fluoranthene	A	50.00	52.67	1.183338	1.246443	0.7	5.3	20	
4-Bromophenyl-phenylether	A	50.00	53.87	0.1888061	0.2034343	0.1	7.7	20	
Butylbenzylphthalate	A	50.00	53.22	0.6706426	0.7138225	0.01	6.4	20	
Carbazole	A	50.00	54.95	1.013887	1.114336	0.01	9.9	20	
4-Chloro-3-methylphenol	A	50.00	49.12	0.2913522	0.2862458	0.2	-1.8	20	
4-Chloroaniline	A	50.00	51.75	0.4367423	0.4520461	0.01	3.5	20	
Bis(2-chloroethoxy)methane	A	50.00	47.34	0.5182488	0.4907233	0.3	-5.3	20	
Bis(2-chloroethyl)ether	A	50.00	49.06	1.849551	1.814787	0.7	-1.9	20	
2,2'-Oxybis-1-chloropropane	A	50.00	49.42	2.322149	2.295051	0.01	-1.2	20	
2-Chloronaphthalene	A	50.00	53.20	1.14673	1.220248	0.8	6.4	20	
2-Chlorophenol	A	50.00	55.20	1.49343	1.648602	0.8	10.4	20	
4-Chlorophenyl phenyl ether	A	50.00	56.71	0.5655923	0.6414575	0.4	13.4	20	
Chrysene	A	50.00	53.56	1.056978	1.132138	0.7	7.1	20	
Dibenz(a,h)anthracene	A	50.00	53.68	0.927476	0.9957414	0.4	7.4	20	
Dibenzofuran	A	50.00	51.48	1.556891	1.602832	0.8	3.0	20	
Di-n-butylphthalate	A	50.00	56.90	1.422346	1.618563	0.01	13.8	20	
2,4-Dichlorophenol	A	50.00	54.26	0.241012	0.2615747	0.2	8.5	20	
Diethylphthalate	A	50.00	54.11	1.3631	1.475217	0.01	8.2	20	
2,4-Dimethylphenol	A	50.00	50.26	0.3519307	0.3537751	0.2	0.5	20	
Dimethyl phthalate	A	50.00	52.59	1.312894	1.381012	0.01	5.2	20	
4,6-Dinitro-2-methylphenol	L	50.00	51.09	0.1423453	0.1580587	0.01	2.2	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24014	Injection Date:	08/24/12
Lab Sample ID:	2H24014-CCV1	Injection Time:	16:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	49.01	0.189189	0.2002297	0.01	-2.0	20
2,4-Dinitrotoluene	A	50.00	55.07	0.4026331	0.4434503	0.2	10.1	20
2,6-Dinitrotoluene	A	50.00	54.39	0.3082828	0.3353731	0.2	8.8	20
Di-n-octylphthalate	L	50.00	48.99	1.691535	1.833021	0.01	-2.0	20
1,2-Diphenylhydrazine	A	50.00	44.82	1.206569	1.081491	0.01	-10.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	52.72	0.9262458	0.9766847	0.01	5.4	20
Fluoranthene	A	50.00	57.26	1.116696	1.278847	0.6	14.5	20
Fluorene	A	50.00	53.97	1.192539	1.287261	0.9	7.9	20
Hexachlorobenzene	A	50.00	54.67	0.2086611	0.2281457	0.1	9.3	20
Hexachlorobutadiene	A	50.00	52.32	0.1401148	0.1466179	0.01	4.6	20
Hexachlorocyclopentadiene	A	50.00	52.82	0.3377187	0.3567837	0.05	5.6	20
Hexachloroethane	A	50.00	51.67	0.6768699	0.6994339	0.3	3.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.29	1.101365	1.173883	0.5	6.6	20
Isophorone	A	50.00	45.33	0.8641251	0.7833575	0.4	-9.3	20
1-Methylnaphthalene	A	50.00	54.63	0.4880715	0.5332746	0.01	9.3	20
2-Methylnaphthalene	A	50.00	54.77	0.5061603	0.5544677	0.4	9.5	20
2-Methylphenol	A	50.00	51.61	1.397021	1.441947	0.7	3.2	20
3-Methylphenol/4-Methylphenol	A	50.00	50.88	1.442796	1.468098		1.8	20
Naphthalene	L	50.00	53.28	1.050386	1.106162	0.7	6.6	20
4-Nitroaniline	A	50.00	53.38	0.4178622	0.4461366	0.01	6.8	20
3-Nitroaniline	A	50.00	50.69	0.4255398	0.431392	0.01	1.4	20
2-Nitroaniline	A	50.00	50.20	0.3916404	0.3931943	0.01	0.4	20
Nitrobenzene	A	50.00	46.89	0.4425367	0.4150265	0.2	-6.2	20
4-Nitrophenol	A	50.00	47.55	0.2791278	0.2654412	0.01	-4.9	20
2-Nitrophenol	A	50.00	55.16	0.1927768	0.2126599	0.1	10.3	20
N-Nitrosodiphenylamine	A	50.00	54.36	0.6161259	0.6698451	0.01	8.7	20
N-Nitroso-di-n-propylamine	A	50.00	49.91	1.158591	1.156535	0.5	-0.2	20
Pentachlorophenol	L	50.00	51.30	0.1325918	0.143098	0.05	2.6	20
Phenanthrene	A	50.00	54.28	1.031015	1.119384	0.7	8.6	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24014	Injection Date:	08/24/12
Lab Sample ID:	2H24014-CCV1	Injection Time:	16:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.62	2.325149	2.307416	0.8	-0.8	20
Pyrene	A	50.00	53.35	1.294953	1.381821	0.6	6.7	20
2,4,6-Trichlorophenol	A	50.00	52.28	0.3586929	0.3750228	0.2	4.6	20
2,4,5-Trichlorophenol	A	50.00	51.00	0.364007	0.37132	0.2	2.0	20
2-Fluorobiphenyl	A	50.00	53.36	1.275261	1.360954	0.01	6.7	20
2-Fluorophenol	A	100.0	105.1	1.495125	1.571035	0.01	5.1	20
Nitrobenzene-d5	A	50.00	45.96	0.4397155	0.4041972	0.01	-8.1	20
Phenol-d6	A	100.0	97.02	1.998108	1.938531	0.01	-3.0	20
Terphenyl-d14	A	50.00	61.21	0.7510018	0.9194	0.01	22.4	20 *
2,4,6-Tribromophenol	A	100.0	108.4	0.1098978	0.1190935	0.01	8.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24014	Injection Date:	08/24/12
Lab Sample ID:	2H24014-CCV2	Injection Time:	17:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	48.11	1.981805	1.907053	0.01	-3.8	20
Atrazine	A	50.00	56.23	0.1871073	0.2104151	0.01	12.5	20
Benzaldehyde	A	50.00	48.51	1.329702	1.28998	0.01	-3.0	20
Benzidine	A	50.00	54.23	0.8176906	0.8868041	0.01	8.5	20
1,1-Biphenyl	A	50.00	51.44	1.459667	1.501837	0.01	2.9	20
Caprolactam	A	50.00	50.58	0.1167348	0.1180848	0.01	1.2	20
3,3'-Dichlorobenzidine	A	50.00	55.65	0.384325	0.4277258	0.01	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

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24101	Injection Date:	08/27/12
Lab Sample ID:	2H24101-CCV1	Injection Time:	11:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.33	1.136987	1.167222	0.9	2.7	20
Acenaphthylene	A	50.00	53.50	1.876142	2.007448	0.9	7.0	20
Anthracene	A	50.00	53.00	1.054797	1.118043	0.7	6.0	20
Benzo(a)anthracene	A	50.00	53.19	1.127046	1.198912	0.8	6.4	20
Benzo(a)pyrene	A	50.00	54.11	1.037678	1.122962	0.7	8.2	20
Benzo(b)fluoranthene	A	50.00	54.54	1.119538	1.221191	0.7	9.1	20
Benzo(g,h,i)perylene	A	50.00	55.42	0.9327314	1.033851	0.5	10.8	20
Benzoic acid	L	50.00	40.78	0.2119614	0.1634836	0.01	-18.4	20
Benzo(k)fluoranthene	A	50.00	56.93	1.183338	1.347257	0.7	13.9	20
4-Bromophenyl-phenylether	A	50.00	54.71	0.1888061	0.2066095	0.1	9.4	20
Butylbenzylphthalate	A	50.00	52.98	0.6706426	0.7106304	0.01	6.0	20
Carbazole	A	50.00	52.33	1.013887	1.061089	0.01	4.7	20
4-Chloro-3-methylphenol	A	50.00	49.99	0.2913522	0.2912937	0.2	-0.02	20
4-Chloroaniline	A	50.00	52.67	0.4367423	0.4600975	0.01	5.3	20
Bis(2-chloroethoxy)methane	A	50.00	45.80	0.5182488	0.4747234	0.3	-8.4	20
Bis(2-chloroethyl)ether	A	50.00	46.71	1.849551	1.727937	0.7	-6.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.29	2.322149	2.196421	0.01	-5.4	20
2-Chloronaphthalene	A	50.00	51.33	1.14673	1.177183	0.8	2.7	20
2-Chlorophenol	A	50.00	53.00	1.49343	1.583015	0.8	6.0	20
4-Chlorophenyl phenyl ether	A	50.00	55.05	0.5655923	0.6227456	0.4	10.1	20
Chrysene	A	50.00	53.95	1.056978	1.140525	0.7	7.9	20
Dibenz(a,h)anthracene	A	50.00	55.44	0.927476	1.028445	0.4	10.9	20
Dibenzofuran	A	50.00	50.25	1.556891	1.564743	0.8	0.5	20
Di-n-butylphthalate	A	50.00	55.20	1.422346	1.570159	0.01	10.4	20
2,4-Dichlorophenol	A	50.00	55.10	0.241012	0.2656134	0.2	10.2	20
Diethylphthalate	A	50.00	54.04	1.3631	1.473373	0.01	8.1	20
2,4-Dimethylphenol	A	50.00	49.14	0.3519307	0.3458823	0.2	-1.7	20
Dimethyl phthalate	A	50.00	51.03	1.312894	1.339884	0.01	2.1	20
4,6-Dinitro-2-methylphenol	L	50.00	49.57	0.1423453	0.1527049	0.01	-0.9	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24101	Injection Date:	08/27/12
Lab Sample ID:	2H24101-CCV1	Injection Time:	11:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	51.52	0.189189	0.2119015	0.01	3.0	20
2,4-Dinitrotoluene	A	50.00	52.91	0.4026331	0.426096	0.2	5.8	20
2,6-Dinitrotoluene	A	50.00	55.40	0.3082828	0.3415573	0.2	10.8	20
Di-n-octylphthalate	L	50.00	48.94	1.691535	1.830977	0.01	-2.1	20
1,2-Diphenylhydrazine	A	50.00	43.23	1.206569	1.043301	0.01	-13.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	49.72	0.9262458	0.9209672	0.01	-0.6	20
Fluoranthene	A	50.00	54.23	1.116696	1.211088	0.6	8.5	20
Fluorene	A	50.00	52.96	1.192539	1.26307	0.9	5.9	20
Hexachlorobenzene	A	50.00	53.90	0.2086611	0.2249265	0.1	7.8	20
Hexachlorobutadiene	A	50.00	54.23	0.1401148	0.1519605	0.01	8.5	20
Hexachlorocyclopentadiene	A	50.00	53.74	0.3377187	0.3630015	0.05	7.5	20
Hexachloroethane	A	50.00	51.07	0.6768699	0.6913243	0.3	2.1	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.87	1.101365	1.186603	0.5	7.7	20
Isophorone	A	50.00	44.77	0.8641251	0.7737669	0.4	-10.5	20
1-Methylnaphthalene	A	50.00	57.32	0.4880715	0.5595763	0.01	14.7	20
2-Methylnaphthalene	A	50.00	57.58	0.5061603	0.5829001	0.4	15.2	20
2-Methylphenol	A	50.00	50.31	1.397021	1.405756	0.7	0.6	20
3-Methylphenol/4-Methylphenol	A	50.00	48.80	1.442796	1.408101		-2.4	20
Naphthalene	L	50.00	54.72	1.050386	1.135423	0.7	9.4	20
4-Nitroaniline	A	50.00	48.67	0.4178622	0.4067277	0.01	-2.7	20
3-Nitroaniline	A	50.00	48.47	0.4255398	0.4125088	0.01	-3.1	20
2-Nitroaniline	A	50.00	43.18	0.3916404	0.338264	0.01	-13.6	20
Nitrobenzene	A	50.00	47.54	0.4425367	0.4207296	0.2	-4.9	20
4-Nitrophenol	A	50.00	45.52	0.2791278	0.2541513	0.01	-8.9	20
2-Nitrophenol	A	50.00	55.80	0.1927768	0.2151596	0.1	11.6	20
N-Nitrosodiphenylamine	A	50.00	51.28	0.6161259	0.6318724	0.01	2.6	20
N-Nitroso-di-n-propylamine	A	50.00	46.70	1.158591	1.082009	0.5	-6.6	20
Pentachlorophenol	L	50.00	53.21	0.1325918	0.1487575	0.05	6.4	20
Phenanthrene	A	50.00	51.40	1.031015	1.059947	0.7	2.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24101	Injection Date:	08/27/12
Lab Sample ID:	2H24101-CCV1	Injection Time:	11:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	46.68	2.325149	2.170787	0.8	-6.6	20
Pyrene	A	50.00	52.52	1.294953	1.360349	0.6	5.1	20
2,4,6-Trichlorophenol	A	50.00	50.17	0.3586929	0.3598937	0.2	0.3	20
2,4,5-Trichlorophenol	A	50.00	48.77	0.364007	0.3550331	0.2	-2.5	20
2-Fluorobiphenyl	A	50.00	52.06	1.275261	1.327827	0.01	4.1	20
2-Fluorophenol	A	100.0	99.12	1.495125	1.482047	0.01	-0.9	20
Nitrobenzene-d5	A	50.00	46.54	0.4397155	0.4092763	0.01	-6.9	20
Phenol-d6	A	100.0	92.68	1.998108	1.851905	0.01	-7.3	20
Terphenyl-d14	A	50.00	60.77	0.7510018	0.9127992	0.01	21.5	20 *
2,4,6-Tribromophenol	A	100.0	108.5	0.1098978	0.1192709	0.01	8.5	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_060
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:	2H24101	Injection Date:	08/27/12
Lab Sample ID:	2H24101-CCV2	Injection Time:	12:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	48.25	1.981805	1.912447	0.01	-3.5	20
Atrazine	A	50.00	55.51	0.1871073	0.2077275	0.01	11.0	20
Benzaldehyde	A	50.00	45.30	1.329702	1.204857	0.01	-9.4	20
Benzidine	A	50.00	49.42	0.8176906	0.8082584	0.01	-1.2	20
1,1-Biphenyl	A	50.00	54.50	1.459667	1.591023	0.01	9.0	20
Caprolactam	A	50.00	45.71	0.1167348	0.1067118	0.01	-8.6	20
3,3'-Dichlorobenzidine	A	50.00	53.74	0.384325	0.4130699	0.01	7.5	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_060
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:	2H24201	Injection Date:	08/28/12
Lab Sample ID:	2H24201-CCV1	Injection Time:	07:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.64	1.136987	1.219842	0.9	7.3	20
Acenaphthylene	A	50.00	56.77	1.876142	2.130235	0.9	13.5	20
Anthracene	A	50.00	54.11	1.054797	1.141553	0.7	8.2	20
Benzo(a)anthracene	A	50.00	52.66	1.127046	1.18698	0.8	5.3	20
Benzo(a)pyrene	A	50.00	53.92	1.037678	1.119107	0.7	7.8	20
Benzo(b)fluoranthene	A	50.00	51.79	1.119538	1.159716	0.7	3.6	20
Benzo(g,h,i)perylene	A	50.00	52.74	0.9327314	0.9839462	0.5	5.5	20
Benzoic acid	L	50.00	45.59	0.2119614	0.191528	0.01	-8.8	20
Benzo(k)fluoranthene	A	50.00	57.02	1.183338	1.349446	0.7	14.0	20
4-Bromophenyl-phenylether	A	50.00	54.57	0.1888061	0.2060525	0.1	9.1	20
Butylbenzylphthalate	A	50.00	54.18	0.6706426	0.7267758	0.01	8.4	20
Carbazole	A	50.00	54.48	1.013887	1.104771	0.01	9.0	20
4-Chloro-3-methylphenol	A	50.00	48.18	0.2913522	0.2807449	0.2	-3.6	20
4-Chloroaniline	A	50.00	51.40	0.4367423	0.4489404	0.01	2.8	20
Bis(2-chloroethoxy)methane	A	50.00	46.34	0.5182488	0.4803053	0.3	-7.3	20
Bis(2-chloroethyl)ether	A	50.00	48.54	1.849551	1.795395	0.7	-2.9	20
2,2'-Oxybis-1-chloropropane	A	50.00	50.75	2.322149	2.357011	0.01	1.5	20
2-Chloronaphthalene	A	50.00	53.30	1.14673	1.222369	0.8	6.6	20
2-Chlorophenol	A	50.00	56.41	1.49343	1.684819	0.8	12.8	20
4-Chlorophenyl phenyl ether	A	50.00	53.82	0.5655923	0.6087604	0.4	7.6	20
Chrysene	A	50.00	52.26	1.056978	1.104806	0.7	4.5	20
Dibenz(a,h)anthracene	A	50.00	53.06	0.927476	0.9843421	0.4	6.1	20
Dibenzofuran	A	50.00	51.50	1.556891	1.603536	0.8	3.0	20
Di-n-butylphthalate	A	50.00	57.54	1.422346	1.636701	0.01	15.1	20
2,4-Dichlorophenol	A	50.00	54.20	0.241012	0.2612351	0.2	8.4	20
Diethylphthalate	A	50.00	52.70	1.3631	1.436691	0.01	5.4	20
2,4-Dimethylphenol	A	50.00	47.40	0.3519307	0.3336693	0.2	-5.2	20
Dimethyl phthalate	A	50.00	51.57	1.312894	1.354238	0.01	3.1	20
4,6-Dinitro-2-methylphenol	L	50.00	50.32	0.1423453	0.1553173	0.01	0.6	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24201	Injection Date:	08/28/12
Lab Sample ID:	2H24201-CCV1	Injection Time:	07:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	53.46	0.189189	0.2209254	0.01	6.9	20
2,4-Dinitrotoluene	A	50.00	53.89	0.4026331	0.4339318	0.2	7.8	20
2,6-Dinitrotoluene	A	50.00	53.15	0.3082828	0.3277104	0.2	6.3	20
Di-n-octylphthalate	L	50.00	51.66	1.691535	1.939652	0.01	3.3	20
1,2-Diphenylhydrazine	A	50.00	46.70	1.206569	1.126984	0.01	-6.6	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.95	0.9262458	0.999362	0.01	7.9	20
Fluoranthene	A	50.00	53.10	1.116696	1.185923	0.6	6.2	20
Fluorene	A	50.00	57.79	1.192539	1.378277	0.9	15.6	20
Hexachlorobenzene	A	50.00	54.16	0.2086611	0.2260456	0.1	8.3	20
Hexachlorobutadiene	A	50.00	51.54	0.1401148	0.1444204	0.01	3.1	20
Hexachlorocyclopentadiene	A	50.00	53.80	0.3377187	0.3633574	0.05	7.6	20
Hexachloroethane	A	50.00	52.97	0.6768699	0.7171231	0.3	5.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.73	1.101365	1.161607	0.5	5.5	20
Isophorone	A	50.00	45.09	0.8641251	0.7792772	0.4	-9.8	20
1-Methylnaphthalene	A	50.00	53.21	0.4880715	0.5194062	0.01	6.4	20
2-Methylnaphthalene	A	50.00	54.32	0.5061603	0.5499343	0.4	8.6	20
2-Methylphenol	A	50.00	51.69	1.397021	1.444372	0.7	3.4	20
3-Methylphenol/4-Methylphenol	A	50.00	52.30	1.442796	1.509206		4.6	20
Naphthalene	L	50.00	52.27	1.050386	1.085673	0.7	4.5	20
4-Nitroaniline	A	50.00	55.91	0.4178622	0.4672305	0.01	11.8	20
3-Nitroaniline	A	50.00	53.66	0.4255398	0.4566759	0.01	7.3	20
2-Nitroaniline	A	50.00	50.38	0.3916404	0.3946052	0.01	0.8	20
Nitrobenzene	A	50.00	46.42	0.4425367	0.4108656	0.2	-7.2	20
4-Nitrophenol	A	50.00	48.50	0.2791278	0.2707552	0.01	-3.0	20
2-Nitrophenol	A	50.00	54.86	0.1927768	0.2115331	0.1	9.7	20
N-Nitrosodiphenylamine	A	50.00	52.99	0.6161259	0.6529412	0.01	6.0	20
N-Nitroso-di-n-propylamine	A	50.00	49.79	1.158591	1.153664	0.5	-0.4	20
Pentachlorophenol	L	50.00	55.37	0.1325918	0.1551645	0.05	10.7	20
Phenanthrene	A	50.00	53.00	1.031015	1.092861	0.7	6.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24201	Injection Date:	08/28/12
Lab Sample ID:	2H24201-CCV1	Injection Time:	07:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.50	2.325149	2.302111	0.8	-1.0	20
Pyrene	A	50.00	53.28	1.294953	1.380032	0.6	6.6	20
2,4,6-Trichlorophenol	A	50.00	52.44	0.3586929	0.3761858	0.2	4.9	20
2,4,5-Trichlorophenol	A	50.00	53.96	0.364007	0.3928211	0.2	7.9	20
2-Fluorobiphenyl	A	50.00	55.52	1.275261	1.416043	0.01	11.0	20
2-Fluorophenol	A	100.0	105.0	1.495125	1.570263	0.01	5.0	20
Nitrobenzene-d5	A	50.00	45.72	0.4397155	0.4020831	0.01	-8.6	20
Phenol-d6	A	100.0	98.17	1.998108	1.961596	0.01	-1.8	20
Terphenyl-d14	A	50.00	60.03	0.7510018	0.90171	0.01	20.1	20 *
2,4,6-Tribromophenol	A	100.0	112.8	0.1098978	0.1239504	0.01	12.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
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:	2H24201	Injection Date:	08/28/12
Lab Sample ID:	2H24201-CCV2	Injection Time:	08:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	50.10	1.981805	1.985751	0.01	0.2	20
Atrazine	A	50.00	55.31	0.1871073	0.2069734	0.01	10.6	20
Benzaldehyde	A	50.00	47.70	1.329702	1.268458	0.01	-4.6	20
Benzidine	A	50.00	55.64	0.8176906	0.9099918	0.01	11.3	20
1,1-Biphenyl	A	50.00	54.31	1.459667	1.585541	0.01	8.6	20
Caprolactam	A	50.00	51.39	0.1167348	0.1199828	0.01	2.8	20
3,3'-Dichlorobenzidine	A	50.00	57.22	0.384325	0.4398342	0.01	14.4	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_060

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

Matrix: Laboratory ID: 2H10008-BLK1 File ID: H10008B1.D

Sampled: Prepared: Analyzed: 08/21/12 12:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H10008 Sequence: 2H23622 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	Q, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Q, 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_060

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

Matrix: Laboratory ID: 2H10008-BLK1 File ID: H10008B1.D

Sampled: Prepared: Analyzed: 08/21/12 12:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H10008 Sequence: 2H23622 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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	Q, U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Q, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.01	76.0	50 - 110	
2-Fluorophenol	100.0	28.56	28.6	20 - 110	
Nitrobenzene-d5	50.00	30.14	60.3	40 - 110	
Phenol-d6	100.0	19.10	19.1	0 - 110	
Terphenyl-d14	50.00	43.33	86.7	50 - 135	X
2,4,6-Tribromophenol	100.0	63.33	63.3	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H10008-BS1 File ID: H10008L1.D

Sampled: Prepared: Analyzed: 08/21/12 12:37

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.91	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.85	1.25	2.50	5.00	
98-86-2	Acetophenone	44.62	1.25	2.50	5.00	
120-12-7	Anthracene	42.32	1.25	2.50	5.00	
1912-24-9	Atrazine	43.68	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.66	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	42.27	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.60	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	46.12	1.25	2.50	5.00	
65-85-0	Benzoic acid	17.44	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	46.05	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	51.94	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.85	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	49.83	1.25	2.50	5.00	
105-60-2	Caprolactam	8.132	1.25	2.50	5.00	
86-74-8	Carbazole	55.27	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	91.72	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	49.68	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.11	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	36.59	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	45.07	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	41.54	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	83.52	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.35	1.25	2.50	5.00	
218-01-9	Chrysene	45.07	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.24	1.25	2.50	5.00	
132-64-9	Dibenzofuran	43.47	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	48.24	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	43.20	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	88.11	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.90	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	91.19	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	43.63	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	97.92	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	90.09	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	43.15	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	41.08	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	43.63	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2H10008-BS1
File ID: H10008L1.D
Sampled:
Prepared:
Analyzed: 08/21/12 12:37
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2H10008
Sequence: 2H23622
Calibration: 2156006
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	53.51	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	48.00	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.13	1.25	2.50	5.00	
86-73-7	Fluorene	44.29	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.55	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	29.23	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	30.66	1.25	5.00	10.0	
67-72-1	Hexachloroethane	32.16	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.11	1.25	2.50	5.00	
78-59-1	Isophorone	35.86	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	45.05	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	36.94	1.25	2.50	5.00	
95-48-7	2-Methylphenol	69.65	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	64.11	1.25	2.50	5.00	
91-20-3	Naphthalene	38.26	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	55.04	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	50.65	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	61.11	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.86	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	32.86	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	97.64	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.66	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.03	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	87.67	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.22	1.25	2.50	5.00	
108-95-2	Phenol	27.27	1.25	2.50	5.00	
129-00-0	Pyrene	46.69	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	95.10	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	97.86	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.31	96.6	50 - 110	
2-Fluorophenol	100.0	47.02	47.0	20 - 110	
Nitrobenzene-d5	50.00	40.94	81.9	40 - 110	
Phenol-d6	100.0	25.69	25.7	0 - 110	
Terphenyl-d14	50.00	48.45	96.9	50 - 135	X
2,4,6-Tribromophenol	100.0	95.76	95.8	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H10008-BSD1 File ID: H10008L2.D

Sampled: Prepared: Analyzed: 08/21/12 13:05

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.69	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.94	1.25	2.50	5.00	
98-86-2	Acetophenone	46.36	1.25	2.50	5.00	
120-12-7	Anthracene	43.76	1.25	2.50	5.00	
1912-24-9	Atrazine	45.63	1.25	2.50	5.00	
100-52-7	Benzaldehyde	41.44	1.25	2.50	5.00	
92-87-5	Benzidine	14.75	12.5	50.0	100	J
56-55-3	Benzo(a)anthracene	43.54	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.79	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	46.34	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.36	1.25	2.50	5.00	
65-85-0	Benzoic acid	13.28	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	44.91	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.89	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	43.96	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	50.79	1.25	2.50	5.00	
105-60-2	Caprolactam	8.507	1.25	2.50	5.00	
86-74-8	Carbazole	53.64	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	82.19	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	45.40	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	37.33	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	37.03	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	42.89	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	40.19	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	76.22	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.48	1.25	2.50	5.00	
218-01-9	Chrysene	44.49	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	44.21	1.25	2.50	5.00	
132-64-9	Dibenzofuran	39.49	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.77	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	44.58	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	74.99	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.61	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	80.95	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	42.92	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	62.97	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	52.11	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	42.05	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	40.88	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	49.35	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H10008-BSD1 File ID: H10008L2.D

Sampled: Prepared: Analyzed: 08/21/12 13:05

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H10008 Sequence: 2H23622 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	48.89	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.92	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.01	1.25	2.50	5.00	
86-73-7	Fluorene	43.58	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.20	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.55	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	30.96	1.25	5.00	10.0	
67-72-1	Hexachloroethane	30.52	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.85	1.25	2.50	5.00	
78-59-1	Isophorone	32.35	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.09	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	37.99	1.25	2.50	5.00	
95-48-7	2-Methylphenol	67.62	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	62.37	1.25	2.50	5.00	
91-20-3	Naphthalene	37.97	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	52.58	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	47.11	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	50.69	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.40	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	18.31	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	81.29	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.01	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.25	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	62.63	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.44	1.25	2.50	5.00	
108-95-2	Phenol	24.99	1.25	2.50	5.00	
129-00-0	Pyrene	46.84	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	69.52	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	77.38	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.98	94.0	50 - 110	
2-Fluorophenol	100.0	37.15	37.2	20 - 110	
Nitrobenzene-d5	50.00	36.91	73.8	40 - 110	
Phenol-d6	100.0	24.77	24.8	0 - 110	
Terphenyl-d14	50.00	48.87	97.7	50 - 135	X
2,4,6-Tribromophenol	100.0	80.41	80.4	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H13023-BLK1 File ID: H13023B1.D

Sampled: Prepared: Analyzed: 08/24/12 17:34

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H13023 Sequence: 2H24014 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	Q, Y, U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		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_060

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

Matrix: Laboratory ID: 2H13023-BLK1 File ID: H13023B1.D

Sampled: Prepared: Analyzed: 08/24/12 17:34

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H13023 Sequence: 2H24014 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	38.23	76.5	50 - 110	
2-Fluorophenol	100.0	31.91	31.9	20 - 110	
Nitrobenzene-d5	50.00	32.25	64.5	40 - 110	
Phenol-d6	100.0	17.92	17.9	0 - 110	
Terphenyl-d14	50.00	46.74	93.5	50 - 135	X
2,4,6-Tribromophenol	100.0	85.37	85.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H13023-BS1 File ID: H13023L1.D

Sampled: Prepared: Analyzed: 08/24/12 18:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H13023 Sequence: 2H24014 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	29.46	1.25	2.50	5.00	
208-96-8	Acenaphthylene	31.62	1.25	2.50	5.00	
98-86-2	Acetophenone	35.56	1.25	2.50	5.00	
120-12-7	Anthracene	38.72	1.25	2.50	5.00	
1912-24-9	Atrazine	41.04	1.25	2.50	5.00	
100-52-7	Benzaldehyde	32.65	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	39.76	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	39.41	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	43.85	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	41.71	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	Y, U
207-08-9	Benzo(k)fluoranthene	39.38	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	40.85	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	38.49	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	42.73	1.25	2.50	5.00	
105-60-2	Caprolactam	5.577	1.25	2.50	5.00	
86-74-8	Carbazole	47.88	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	67.23	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.86	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	33.77	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	30.50	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	28.96	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	26.69	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	67.77	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	33.45	1.25	2.50	5.00	
218-01-9	Chrysene	40.18	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	39.47	1.25	2.50	5.00	
132-64-9	Dibenzofuran	31.13	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	44.65	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	40.72	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	73.71	1.25	2.50	5.00	
84-66-2	Diethylphthalate	39.12	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	68.33	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	37.72	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	78.61	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	55.36	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	38.02	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	36.35	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	39.81	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H13023-BS1 File ID: H13023L1.D

Sampled: Prepared: Analyzed: 08/24/12 18:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H13023 Sequence: 2H24014 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	37.76	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	41.07	1.25	2.50	5.00	
206-44-0	Fluoranthene	40.32	1.25	2.50	5.00	
86-73-7	Fluorene	35.20	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	37.73	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	22.46	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	20.78	1.25	5.00	10.0	
67-72-1	Hexachloroethane	20.24	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	40.14	1.25	2.50	5.00	
78-59-1	Isophorone	29.31	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	30.66	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	25.18	1.25	2.50	5.00	
95-48-7	2-Methylphenol	52.09	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	47.09	1.25	2.50	5.00	
91-20-3	Naphthalene	25.88	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.23	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	40.29	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	43.95	5.00	10.0	20.0	
98-95-3	Nitrobenzene	29.61	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	20.57	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	80.13	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	31.08	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	32.84	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	83.52	5.00	10.0	20.0	
85-01-8	Phenanthrene	39.34	1.25	2.50	5.00	
108-95-2	Phenol	19.90	1.25	2.50	5.00	
129-00-0	Pyrene	40.37	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	81.06	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	83.45	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.74	79.5	50 - 110	
2-Fluorophenol	100.0	34.05	34.0	20 - 110	
Nitrobenzene-d5	50.00	32.69	65.4	40 - 110	
Phenol-d6	100.0	18.43	18.4	0 - 110	
Terphenyl-d14	50.00	43.79	87.6	50 - 135	X
2,4,6-Tribromophenol	100.0	86.49	86.5	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H13023-BSD1 File ID: H13023L2.D

Sampled: Prepared: Analyzed: 08/24/12 18:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H13023 Sequence: 2H24014 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	34.16	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.10	1.25	2.50	5.00	
98-86-2	Acetophenone	39.17	1.25	2.50	5.00	
120-12-7	Anthracene	43.64	1.25	2.50	5.00	
1912-24-9	Atrazine	46.37	1.25	2.50	5.00	
100-52-7	Benzaldehyde	36.09	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	44.80	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.80	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	44.31	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.08	1.25	2.50	5.00	
65-85-0	Benzoic acid	14.92	12.5	50.0	100	Y, J
207-08-9	Benzo(k)fluoranthene	46.39	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	44.19	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.35	1.25	2.50	5.00	
105-60-2	Caprolactam	8.190	1.25	2.50	5.00	
86-74-8	Carbazole	54.91	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	81.23	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	42.27	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.80	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	34.37	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	31.77	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	29.93	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	75.27	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	40.24	1.25	2.50	5.00	
218-01-9	Chrysene	44.72	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.04	1.25	2.50	5.00	
132-64-9	Dibenzofuran	35.91	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.98	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	44.31	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	86.41	1.25	2.50	5.00	
84-66-2	Diethylphthalate	44.97	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.36	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.69	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	94.23	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	93.40	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	42.84	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	41.56	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	45.77	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H13023-BSD1 File ID: H13023L2.D

Sampled: Prepared: Analyzed: 08/24/12 18:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H13023 Sequence: 2H24014 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.27	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	46.62	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.94	1.25	2.50	5.00	
86-73-7	Fluorene	40.15	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.00	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	24.26	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	25.36	1.25	5.00	10.0	
67-72-1	Hexachloroethane	20.87	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	45.04	1.25	2.50	5.00	
78-59-1	Isophorone	32.65	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	34.71	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	28.64	1.25	2.50	5.00	
95-48-7	2-Methylphenol	57.27	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	51.76	1.25	2.50	5.00	
91-20-3	Naphthalene	30.06	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	53.86	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	45.75	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.45	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.31	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.25	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	89.98	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.15	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	35.59	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	99.29	5.00	10.0	20.0	
85-01-8	Phenanthrene	43.57	1.25	2.50	5.00	
108-95-2	Phenol	22.63	1.25	2.50	5.00	
129-00-0	Pyrene	45.61	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	89.27	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	100.1	1.25	2.50	5.00	E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.68	89.4	50 - 110	
2-Fluorophenol	100.0	38.98	39.0	20 - 110	
Nitrobenzene-d5	50.00	37.66	75.3	40 - 110	
Phenol-d6	100.0	21.35	21.4	0 - 110	
Terphenyl-d14	50.00	49.63	99.3	50 - 135	X
2,4,6-Tribromophenol	100.0	97.25	97.3	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H14019-BLK1 File ID: H14019B1.D

Sampled: Prepared: Analyzed: 08/27/12 17:36

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H14019 Sequence: 2H24101 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_060	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2H14019-BLK1	File ID:	H14019B1.D
Sampled:		Prepared:		Analyzed:	08/27/12 17:36
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2H14019 Sequence: 2H24101 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	34.55	69.1	50 - 110	
2-Fluorophenol	100.0	19.01	19.0	20 - 110	
Nitrobenzene-d5	50.00	31.14	62.3	40 - 110	
Phenol-d6	100.0	13.61	13.6	0 - 110	
Terphenyl-d14	50.00	43.89	87.8	50 - 135	X
2,4,6-Tribromophenol	100.0	48.17	48.2	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_060

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

Matrix: | Laboratory ID: 2H14019-BS1 | File ID: H14019L1.D

Sampled: | Prepared: | Analyzed: 08/27/12 18:04

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2H14019 | Sequence: 2H24101 | Calibration: 2156006 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.53	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.09	1.25	2.50	5.00	
98-86-2	Acetophenone	38.37	1.25	2.50	5.00	
120-12-7	Anthracene	40.09	1.25	2.50	5.00	
1912-24-9	Atrazine	46.31	1.25	2.50	5.00	
100-52-7	Benzaldehyde	35.21	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	U
56-55-3	Benzo(a)anthracene	42.89	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.71	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	42.97	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	43.65	1.25	2.50	5.00	
65-85-0	Benzoic acid	12.85	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	46.21	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	45.30	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	41.07	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.25	1.25	2.50	5.00	
105-60-2	Caprolactam	8.600	1.25	2.50	5.00	
86-74-8	Carbazole	49.12	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	74.28	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	43.41	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	35.91	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	31.19	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	31.44	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	33.84	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	52.17	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	40.55	1.25	2.50	5.00	
218-01-9	Chrysene	44.39	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.61	1.25	2.50	5.00	
132-64-9	Dibenzofuran	36.54	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.44	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	45.93	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	65.66	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.93	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	79.80	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	42.35	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	50.46	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	43.63	8.33	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	42.67	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	43.06	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.78	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Matrix: Laboratory ID: 2H14019-BS1 File ID: H14019L1.D

Sampled: Prepared: Analyzed: 08/27/12 18:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2H14019 Sequence: 2H24101 Calibration: 2156006 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.73	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	45.49	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.88	1.25	2.50	5.00	
86-73-7	Fluorene	42.46	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.52	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	24.04	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	21.93	1.25	5.00	10.0	
67-72-1	Hexachloroethane	20.22	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	43.02	1.25	2.50	5.00	
78-59-1	Isophorone	32.78	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	38.92	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	32.02	1.25	2.50	5.00	
95-48-7	2-Methylphenol	55.06	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	47.78	1.25	2.50	5.00	
91-20-3	Naphthalene	31.98	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	51.21	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	46.55	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.85	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.57	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	13.32	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	64.45	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	35.47	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	35.00	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	54.37	5.00	10.0	20.0	
85-01-8	Phenanthrene	41.40	1.25	2.50	5.00	
108-95-2	Phenol	17.84	1.25	2.50	5.00	
129-00-0	Pyrene	44.11	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	57.55	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	63.63	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.57	83.1	50 - 110	
2-Fluorophenol	100.0	24.25	24.3	20 - 110	
Nitrobenzene-d5	50.00	36.49	73.0	40 - 110	
Phenol-d6	100.0	15.78	15.8	0 - 110	
Terphenyl-d14	50.00	45.78	91.6	50 - 135	X
2,4,6-Tribromophenol	100.0	63.50	63.5	40 - 125	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0687	08/06/12 16:08	08/08/12 08:15	08/10/12 10:57	3.74	7.00	08/21/12 13:32	11.11	40.00	
GW0687	08/06/12 16:08	08/08/12 08:15	08/10/12 10:57	3.74	7.00	08/21/12 18:58	11.33	40.00	
GW0688	08/06/12 13:29	08/08/12 08:15	08/10/12 10:57	3.85	7.00	08/21/12 14:54	11.16	40.00	
GW0689	08/06/12 11:11	08/08/12 08:15	08/10/12 10:57	3.95	7.00	08/21/12 15:21	11.18	40.00	
GW0704	08/06/12 13:25	08/08/12 08:15	08/10/12 10:57	3.86	7.00	08/21/12 15:48	11.20	40.00	
GW0705	08/06/12 11:25	08/08/12 08:15	08/10/12 10:57	3.94	7.00	08/21/12 16:15	11.22	40.00	
GW0706	08/06/12 15:25	08/08/12 08:15	08/10/12 10:57	3.77	7.00	08/21/12 16:42	11.24	40.00	
GW0707	08/07/12 10:46	08/08/12 08:15	08/10/12 10:57	2.97	7.00	08/21/12 19:25	11.35	40.00	
GW0707	08/07/12 10:46	08/08/12 08:15	08/10/12 10:57	2.97	7.00	08/21/12 19:52	11.37	40.00	
GW0734	08/07/12 12:55	08/08/12 08:15	08/10/12 10:57	2.88	7.00	08/21/12 17:09	11.26	40.00	
GW0735	08/07/12 10:27	08/08/12 08:15	08/10/12 10:57	2.98	7.00	08/21/12 17:36	11.28	40.00	
GW0736	08/07/12 10:27	08/08/12 08:15	08/10/12 10:57	2.98	7.00	08/21/12 18:03	11.30	40.00	
GW8056-RB	08/07/12 08:20	08/08/12 08:15	08/10/12 10:57	3.07	7.00	08/21/12 18:30	11.31	40.00	
GW0633	08/08/12 14:58	08/09/12 08:20	08/14/12 14:23	5.93	7.00	08/24/12 18:55	10.19	40.00	
GW0634	08/08/12 14:58	08/09/12 08:20	08/14/12 14:23	5.93	7.00	08/24/12 19:22	10.21	40.00	
GW0636	08/08/12 10:54	08/09/12 08:20	08/14/12 14:23	6.10	7.00	08/24/12 19:50	10.23	40.00	
GW0642	08/07/12 15:19	08/09/12 08:20	08/14/12 14:23	6.92	7.00	08/24/12 20:17	10.25	40.00	
GW0695	08/08/12 13:56	08/09/12 08:20	08/14/12 14:23	5.98	7.00	08/24/12 20:44	10.26	40.00	
GW0696	08/08/12 11:32	08/09/12 08:20	08/14/12 14:23	6.08	7.00	08/24/12 21:11	10.28	40.00	
GW0733	08/07/12 15:05	08/09/12 08:20	08/14/12 14:23	6.93	7.00	08/24/12 21:38	10.30	40.00	
GW8057-RB	08/08/12 08:20	08/09/12 08:20	08/14/12 14:23	6.21	7.00	08/24/12 22:05	10.32	40.00	
GW0632	08/09/12 14:47	08/10/12 08:20	08/15/12 11:42	5.83	7.00	08/27/12 18:31	12.28	40.00	
GW0637	08/09/12 14:01	08/10/12 08:20	08/15/12 11:42	5.86	7.00	08/27/12 18:59	12.30	40.00	
GW0641	08/09/12 10:48	08/10/12 08:20	08/15/12 11:42	6.00	7.00	08/27/12 19:26	12.32	40.00	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0641	08/09/12 10:48	08/10/12 08:20	08/15/12 11:42	6.00	7.00	08/28/12 08:45	12.88	40.00	
GW0694	08/08/12 16:48	08/10/12 08:20	08/15/12 11:42	6.75	7.00	08/27/12 19:53	12.34	40.00	
GW0694	08/08/12 16:48	08/10/12 08:20	08/15/12 11:42	6.75	7.00	08/28/12 09:12	12.90	40.00	
GW0708	08/09/12 11:02	08/10/12 08:20	08/15/12 11:42	5.99	7.00	08/27/12 20:20	12.36	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21404	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21404-CAL6	002F0201.D	07/31/12 16:00
Cal Standard	2H21404-CAL5	003F0301.D	07/31/12 16:34
Cal Standard	2H21404-CAL4	004F0401.D	07/31/12 17:08
Cal Standard	2H21404-CAL3	005F0501.D	07/31/12 17:42
Cal Standard	2H21404-CAL2	006F0601.D	07/31/12 18:15
Cal Standard	2H21404-CAL1	007F0701.D	07/31/12 18:48
Initial Cal Check	2H21404-ICV1	008F0801.D	07/31/12 19:22

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22707	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22707-CCV1	003F0301.D	08/10/12 14:34
Calibration Check	2H22707-CCV2	006F0601.D	08/10/12 17:36
Blank	2H09009-BLK1	007F0701.D	08/10/12 18:10
LCS	2H09009-BS1	008F0801.D	08/10/12 18:43
LCS Dup	2H09009-BSD1	009F0901.D	08/10/12 19:16
GW0688	1208055-03	015F1501.D	08/10/12 22:35
GW0689	1208055-05	016F1601.D	08/10/12 23:08
GW0704	1208055-07	017F1701.D	08/10/12 23:41
GW0705	1208055-09	018F1801.D	08/11/12 00:14
GW0706	1208055-11	019F1901.D	08/11/12 00:47
GW0734	1208055-15	021F2101.D	08/11/12 01:54
GW0735	1208055-17	022F2201.D	08/11/12 02:27
GW0736	1208055-19	023F2301.D	08/11/12 03:00
Calibration Check	2H22707-CCV3	024F2401.D	08/11/12 03:33
GW8056-RB	1208055-21	025F2501.D	08/11/12 04:06
GW0633	1208065-01	026F2601.D	08/11/12 04:39
GW0634	1208065-03	027F2701.D	08/11/12 05:12
GW0636	1208065-05	028F2801.D	08/11/12 05:45
GW0642	1208065-07	029F2901.D	08/11/12 06:18
GW0695	1208065-09	030F3001.D	08/11/12 06:51
GW0696	1208065-11	031F3101.D	08/11/12 07:24
GW0733	1208065-13	032F3201.D	08/11/12 07:57
GW8057-RB	1208065-15	033F3301.D	08/11/12 08:31
Calibration Check	2H22707-CCV4	034F3401.D	08/11/12 09:04

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23514	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23514-CCV1	003F0301.D	08/20/12 13:44
GW0687	1208055-01RE1	004F0401.D	08/20/12 14:17
GW0707	1208055-13RE1	005F0501.D	08/20/12 14:50
Calibration Check	2H23514-CCV2	006F0601.D	08/20/12 15:24

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23626	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23626-CCV1	003F0301.D	08/21/12 16:12
Blank	2H14020-BLK1	004F0401.D	08/21/12 16:46
LCS	2H14020-BS1	005F0501.D	08/21/12 17:19
GW0708	1208078-09	010F1001.D	08/21/12 20:05
Calibration Check	2H23626-CCV2	014F1401.D	08/21/12 22:17

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24012	Instrument:	GL-GCFID2
Calibration:	2214001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H24012-CCV1	003F0301.D	08/23/12 12:50
GW0632	1208078-01RE1	004F0401.D	08/23/12 13:23
GW0637	1208078-03RE1	005F0501.D	08/23/12 13:57
GW0641	1208078-05RE1	006F0601.D	08/23/12 14:30
GW0694	1208078-07RE1	007F0701.D	08/23/12 15:04
Calibration Check	2H24012-CCV2	008F0801.D	08/23/12 15:37

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01RE1	File ID:	004F0401.D
Sampled:	08/06/12 16:08	Prepared:	08/09/12 14:21	Analyzed:	08/20/12 14:17
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2H09009 Sequence: 2H23514 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	39.6	5.26	10.5	21.1	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.01194	56.7	30 - 140	D

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	015F1501.D
Sampled:	08/06/12 13:29	Prepared:	08/09/12 14:21	Analyzed:	08/10/12 22:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01933	96.6	30 - 140	

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	016F1601.D
Sampled:	08/06/12 11:11	Prepared:	08/09/12 14:21	Analyzed:	08/10/12 23:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.105	0.211	0.421	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02105	0.01746	82.9	30 - 140	

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	017F1701.D
Sampled:	08/06/12 13:25	Prepared:	08/09/12 14:21	Analyzed:	08/10/12 23:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.787	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02032	102	30 - 140	

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	018F1801.D
Sampled:	08/06/12 11:25	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 00:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01752	92.9	30 - 140	

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	019F1901.D
Sampled:	08/06/12 15:25	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 00:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.222	0.444	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01721	77.4	30 - 140	

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13RE1	File ID:	005F0501.D
Sampled:	08/07/12 10:46	Prepared:	08/09/12 14:21	Analyzed:	08/20/12 14:50
Solids:		Preparation:	EXT_3510	Dilution:	250

Batch: 2H09009 Sequence: 2H23514 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	224	25.0	50.0	100	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01823	91.2	30 - 140	D

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	021F2101.D
Sampled:	08/07/12 12:55	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 01:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01747	89.1	30 - 140	

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	022F2201.D
Sampled:	08/07/12 10:27	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 02:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01727	91.5	30 - 140	

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	023F2301.D
Sampled:	08/07/12 10:27	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 03:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.125	0.250	0.500	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.01916	76.7	30 - 140	

ANALYSIS DATA SHEET

GW8056-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21	File ID:	025F2501.D
Sampled:	08/07/12 08:20	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 04:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01278	65.2	30 - 140	

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01	File ID:	026F2601.D
Sampled:	08/08/12 14:58	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 04:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.07	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01559	79.5	30 - 140	

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03	File ID:	027F2701.D
Sampled:	08/08/12 14:58	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 05:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.01	0.0926	0.185	0.370	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01364	73.7	30 - 140	

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	028F2801.D
Sampled:	08/08/12 10:54	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 05:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.996	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01631	83.2	30 - 140	

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	029F2901.D
Sampled:	08/07/12 15:19	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 06:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01552	77.6	30 - 140	

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	030F3001.D
Sampled:	08/08/12 13:56	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 06:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.59	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01729	88.2	30 - 140	

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	031F3101.D
Sampled:	08/08/12 11:32	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 07:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01755	87.8	30 - 140	

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	032F3201.D
Sampled:	08/07/12 15:05	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 07:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01540	78.5	30 - 140	

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15	File ID:	033F3301.D
Sampled:	08/08/12 08:20	Prepared:	08/09/12 14:21	Analyzed:	08/11/12 08:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H09009 Sequence: 2H22707 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.466	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01631	81.6	30 - 140	

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01RE1	File ID:	004F0401.D
Sampled:	08/09/12 14:47	Prepared:	08/16/12 10:37	Analyzed:	08/23/12 13:23
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2H14020 Sequence: 2H24012 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	68.4	5.00	10.0	20.0	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01484	74.2	30 - 140	D

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03RE1	File ID:	005F0501.D
Sampled:	08/09/12 14:01	Prepared:	08/16/12 10:37	Analyzed:	08/23/12 13:57
Solids:		Preparation:	EXT_3510	Dilution:	20

Batch: 2H14020 Sequence: 2H24012 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	26.6	2.00	4.00	8.00	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01718	85.9	30 - 140	

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05RE1	File ID:	006F0601.D
Sampled:	08/09/12 10:48	Prepared:	08/16/12 10:37	Analyzed:	08/23/12 14:30
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2H14020 Sequence: 2H24012 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	53.6	4.90	9.80	19.6	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01170	59.7	30 - 140	D

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07RE1	File ID:	007F0701.D
Sampled:	08/08/12 16:48	Prepared:	08/16/12 10:37	Analyzed:	08/23/12 15:04
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2H14020 Sequence: 2H24012 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	22.5	0.500	1.00	2.00	H2, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01445	72.2	30 - 140	H2

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	010F1001.D
Sampled:	08/09/12 11:02	Prepared:	08/16/12 10:37	Analyzed:	08/21/12 20:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2H14020 Sequence: 2H23626 Calibration: 2214001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01635	83.4	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H09009	Laboratory ID:	2H09009-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	0.8758	87.6	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	1.027	103	15.9	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14020	Laboratory ID:	2H14020-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	1.026	103	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H09009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01RE1	08/09/12 14:21	950.00	1.00
GW0688	1208055-03	08/09/12 14:21	1,000.00	1.00
GW0689	1208055-05	08/09/12 14:21	950.00	1.00
GW0704	1208055-07	08/09/12 14:21	1,000.00	1.00
GW0705	1208055-09	08/09/12 14:21	1,060.00	1.00
GW0706	1208055-11	08/09/12 14:21	900.00	1.00
GW0707	1208055-13RE1	08/09/12 14:21	1,000.00	1.00
GW0734	1208055-15	08/09/12 14:21	1,020.00	1.00
GW0735	1208055-17	08/09/12 14:21	1,060.00	1.00
GW0736	1208055-19	08/09/12 14:21	800.00	1.00
GW8056-RB	1208055-21	08/09/12 14:21	1,020.00	1.00
GW0633	1208065-01	08/09/12 14:21	1,020.00	1.00
GW0634	1208065-03	08/09/12 14:21	1,080.00	1.00
GW0636	1208065-05	08/09/12 14:21	1,020.00	1.00
GW0642	1208065-07	08/09/12 14:21	1,000.00	1.00
GW0695	1208065-09	08/09/12 14:21	1,020.00	1.00
GW0696	1208065-11	08/09/12 14:21	1,000.00	1.00
GW0733	1208065-13	08/09/12 14:21	1,020.00	1.00
GW8057-RB	1208065-15	08/09/12 14:21	1,000.00	1.00
Blank	2H09009-BLK1	08/09/12 14:21	1,000.00	1.00
LCS	2H09009-BS1	08/09/12 14:21	1,000.00	1.00
LCS Dup	2H09009-BSD1	08/09/12 14:21	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14020 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01RE1	08/16/12 10:37	1,000.00	1.00
GW0637	1208078-03RE1	08/16/12 10:37	1,000.00	1.00
GW0641	1208078-05RE1	08/16/12 10:37	1,020.00	1.00
GW0694	1208078-07RE1	08/16/12 10:37	1,000.00	1.00
GW0708	1208078-09	08/16/12 10:37	1,020.00	1.00
Blank	2H14020-BLK1	08/16/12 10:37	1,000.00	1.00
LCS	2H14020-BS1	08/16/12 10:37	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21404	Instrument:	GL-GCFID2
Calibration:	2214001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12F0241	DRO ICAL6@100ppm	2H21404-CAL6	002F0201.D	07/31/12 16:00
12F0242	DRO ICAL5@250ppm	2H21404-CAL5	003F0301.D	07/31/12 16:34
12F0243	DRO ICAL4@500ppm	2H21404-CAL4	004F0401.D	07/31/12 17:08
12F0211	DRO ICAL3@1000ppm	2H21404-CAL3	005F0501.D	07/31/12 17:42
12F0244	DRO ICAL2@2500ppm	2H21404-CAL2	006F0601.D	07/31/12 18:15
12F0245	DRO ICAL1@5000ppm	2H21404-CAL1	007F0701.D	07/31/12 18:48

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2214001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/31/12_16:00	7/31/12_18:48

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	100	764.1	250	904.512	500	926.532	1000	1062.126	2500	1084.265	5000	1373.83
o-Terphenyl	5	1319.2	12.5	1379.6	25	1341.32	50	1377.1	125	1331.232	250	1397.108

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2214001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	7/31/12 16:00	7/31/12 18:48

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1019.228	20.51747	5.947	0.0133767		0.9997707	0.99	
o-Terphenyl	1357.593	2.296485	11.13583	9.623485E-02			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	008F0801.D	Calibration Date:	07/31/12 11:55
Sequence:	2H21404	Injection Date:	07/31/12
Lab Sample ID:	2H21404-ICV1	Injection Time:	19:22

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1058	1019.228	1065.399		5.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22707	Injection Date:	08/10/12
Lab Sample ID:	2H22707-CCV1	Injection Time:	14:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1167	1019.228	1182.501		16.7	20
o-Terphenyl	A	50.00	52.24	1357.593	1418.56		4.5	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	006F0601.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22707	Injection Date:	08/10/12
Lab Sample ID:	2H22707-CCV2	Injection Time:	17:36

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1089	1019.228	1098.344		8.9	20
o-Terphenyl	A	50.00	47.10	1357.593	1278.82		-5.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	024F2401.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22707	Injection Date:	08/11/12
Lab Sample ID:	2H22707-CCV3	Injection Time:	03:33

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	928.4	1019.228	927.137		-7.2	20
o-Terphenyl	A	50.00	47.42	1357.593	1287.46		-5.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	034F3401.D	Calibration Date:	07/31/12 11:55
Sequence:	2H22707	Injection Date:	08/11/12
Lab Sample ID:	2H22707-CCV4	Injection Time:	09:04

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1050	1019.228	1055.906		5.0	20
o-Terphenyl	A	50.00	47.37	1357.593	1286.12		-5.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 11:55
Sequence:	2H23514	Injection Date:	08/20/12
Lab Sample ID:	2H23514-CCV1	Injection Time:	13:44

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	987.6	1019.228	989.866		-1.2	20
o-Terphenyl	A	50.00	42.78	1357.593	1161.5		-14.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	006F0601.D	Calibration Date:	07/31/12 11:55
Sequence:	2H23514	Injection Date:	08/20/12
Lab Sample ID:	2H23514-CCV2	Injection Time:	15:24

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1065	1019.228	1072.095		6.5	20
o-Terphenyl	A	50.00	44.74	1357.593	1214.78		-10.5	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 11:55
Sequence:	2H23626	Injection Date:	08/21/12
Lab Sample ID:	2H23626-CCV1	Injection Time:	16:12

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1126	1019.228	1137.954		12.6	20
o-Terphenyl	A	50.00	48.70	1357.593	1322.36		-2.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	014F1401.D	Calibration Date:	07/31/12 11:55
Sequence:	2H23626	Injection Date:	08/21/12
Lab Sample ID:	2H23626-CCV2	Injection Time:	22:17

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1100	1019.228	1110.156		10.0	20
o-Terphenyl	A	50.00	51.06	1357.593	1386.24		2.1	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 11:55
Sequence:	2H24012	Injection Date:	08/23/12
Lab Sample ID:	2H24012-CCV1	Injection Time:	12:50

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1114	1019.228	1125.592		11.4	20
o-Terphenyl	A	50.00	48.51	1357.593	1317.04		-3.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2214001
Lab File ID:	008F0801.D	Calibration Date:	07/31/12 11:55
Sequence:	2H24012	Injection Date:	08/23/12
Lab Sample ID:	2H24012-CCV2	Injection Time:	15:37

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1133	1019.228	1145.86		13.3	20
o-Terphenyl	A	50.00	50.18	1357.593	1362.36		0.4	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22707	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22707-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/10/12 14:34		
o-Terphenyl	50.00	104	80 - 120	11.16	11.16	0.0000	+/-0.050	
Calibration Check (2H22707-CCV2) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/10/12 17:36		
o-Terphenyl	50.00	94.2	80 - 120	11.206	11.16	0.0460	+/-0.050	
Blank (2H09009-BLK1) mg/L				Lab File ID: 007F0701.D		Analyzed: 08/10/12 18:10		
o-Terphenyl	0.02000	96.1	30 - 140	11.126	11.16	-0.0340	+/-0.050	
LCS (2H09009-BS1) mg/L				Lab File ID: 008F0801.D		Analyzed: 08/10/12 18:43		
o-Terphenyl	0.02000	77.2	30 - 140	11.133	11.16	-0.0270	+/-0.050	
LCS Dup (2H09009-BSD1) mg/L				Lab File ID: 009F0901.D		Analyzed: 08/10/12 19:16		
o-Terphenyl	0.02000	91.5	30 - 140	11.13	11.16	-0.0300	+/-0.050	
GW0688 (1208055-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 08/10/12 22:35		
o-Terphenyl	0.02000	96.6	30 - 140	11.1	11.16	-0.0600	+/-0.050	*
GW0689 (1208055-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 08/10/12 23:08		
o-Terphenyl	0.02105	82.9	30 - 140	11.106	11.16	-0.0540	+/-0.050	*
GW0704 (1208055-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 08/10/12 23:41		
o-Terphenyl	0.02000	102	30 - 140	11.106	11.16	-0.0540	+/-0.050	*
GW0705 (1208055-09) mg/L				Lab File ID: 018F1801.D		Analyzed: 08/11/12 00:14		
o-Terphenyl	0.01887	92.9	30 - 140	11.106	11.16	-0.0540	+/-0.050	*
GW0706 (1208055-11) mg/L				Lab File ID: 019F1901.D		Analyzed: 08/11/12 00:47		
o-Terphenyl	0.02222	77.4	30 - 140	11.093	11.16	-0.0670	+/-0.050	*
GW0734 (1208055-15) mg/L				Lab File ID: 021F2101.D		Analyzed: 08/11/12 01:54		
o-Terphenyl	0.01961	89.1	30 - 140	11.1	11.16	-0.0600	+/-0.050	*
GW0735 (1208055-17) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/11/12 02:27		
o-Terphenyl	0.01887	91.5	30 - 140	11.106	11.16	-0.0540	+/-0.050	*
GW0736 (1208055-19) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/11/12 03:00		
o-Terphenyl	0.02500	76.7	30 - 140	11.103	11.16	-0.0570	+/-0.050	*
Calibration Check (2H22707-CCV3) mg/L				Lab File ID: 024F2401.D		Analyzed: 08/11/12 03:33		
o-Terphenyl	50.00	94.8	80 - 120	11.096	11.16	-0.0640	+/-0.050	*
GW8056-RB (1208055-21) mg/L				Lab File ID: 025F2501.D		Analyzed: 08/11/12 04:06		
o-Terphenyl	0.01961	65.2	30 - 140	11.1	11.16	-0.0600	+/-0.050	*
GW0633 (1208065-01) mg/L				Lab File ID: 026F2601.D		Analyzed: 08/11/12 04:39		
o-Terphenyl	0.01961	79.5	30 - 140	11.096	11.16	-0.0640	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22707	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0634 (1208065-03) mg/L				Lab File ID: 027F2701.D		Analyzed: 08/11/12 05:12		
o-Terphenyl	0.01852	73.7	30 - 140	11.106	11.16	-0.0540	+/-0.050	*
GW0636 (1208065-05) mg/L				Lab File ID: 028F2801.D		Analyzed: 08/11/12 05:45		
o-Terphenyl	0.01961	83.2	30 - 140	11.106	11.16	-0.0540	+/-0.050	*
GW0642 (1208065-07) mg/L				Lab File ID: 029F2901.D		Analyzed: 08/11/12 06:18		
o-Terphenyl	0.02000	77.6	30 - 140	11.103	11.16	-0.0570	+/-0.050	*
GW0695 (1208065-09) mg/L				Lab File ID: 030F3001.D		Analyzed: 08/11/12 06:51		
o-Terphenyl	0.01961	88.2	30 - 140	11.113	11.16	-0.0470	+/-0.050	
GW0696 (1208065-11) mg/L				Lab File ID: 031F3101.D		Analyzed: 08/11/12 07:24		
o-Terphenyl	0.02000	87.8	30 - 140	11.11	11.16	-0.0500	+/-0.050	
GW0733 (1208065-13) mg/L				Lab File ID: 032F3201.D		Analyzed: 08/11/12 07:57		
o-Terphenyl	0.01961	78.5	30 - 140	11.116	11.16	-0.0440	+/-0.050	
GW8057-RB (1208065-15) mg/L				Lab File ID: 033F3301.D		Analyzed: 08/11/12 08:31		
o-Terphenyl	0.02000	81.6	30 - 140	11.113	11.16	-0.0470	+/-0.050	
Calibration Check (2H22707-CCV4) mg/L				Lab File ID: 034F3401.D		Analyzed: 08/11/12 09:04		
o-Terphenyl	50.00	94.7	80 - 120	11.123	11.16	-0.0370	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23514	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23514-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/20/12 13:44		
o-Terphenyl	50.00	85.6	80 - 120	11.163	11.163	0.0000	+/-0.050	
GW0687 (1208055-01RE1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/20/12 14:17		
o-Terphenyl	0.02105	56.7	30 - 140	11.166	11.163	0.0030	+/-0.050	
GW0707 (1208055-13RE1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/20/12 14:50		
o-Terphenyl	0.02000	91.2	30 - 140	11.156	11.163	-0.0070	+/-0.050	
Calibration Check (2H23514-CCV2) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/20/12 15:24		
o-Terphenyl	50.00	89.5	80 - 120	11.16	11.163	-0.0030	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23626	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23626-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/21/12 16:12		
o-Terphenyl	50.00	97.4	80 - 120	11.15	11.15	0.0000	+/-0.050	
Blank (2H14020-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/21/12 16:46		
o-Terphenyl	0.02000	80.1	30 - 140	11.136	11.15	-0.0140	+/-0.050	
LCS (2H14020-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/21/12 17:19		
o-Terphenyl	0.02000	97.1	30 - 140	11.153	11.15	0.0030	+/-0.050	
GW0708 (1208078-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 08/21/12 20:05		
o-Terphenyl	0.01961	83.4	30 - 140	11.113	11.15	-0.0370	+/-0.050	
Calibration Check (2H23626-CCV2) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/21/12 22:17		
o-Terphenyl	50.00	102	80 - 120	11.12	11.15	-0.0300	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24012	Instrument:	GL-GCFID2
		Calibration:	2214001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H24012-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/23/12 12:50		
o-Terphenyl	50.00	97.0	80 - 120	11.166	11.166	0.0000	+/-0.050	
GW0632 (1208078-01RE1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/23/12 13:23		
o-Terphenyl	0.02000	74.2	30 - 140	11.176	11.166	0.0100	+/-0.050	
GW0637 (1208078-03RE1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/23/12 13:57		
o-Terphenyl	0.02000	85.9	30 - 140	11.19	11.166	0.0240	+/-0.050	
GW0641 (1208078-05RE1) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/23/12 14:30		
o-Terphenyl	0.01961	59.7	30 - 140	11.166	11.166	0.0000	+/-0.050	
GW0694 (1208078-07RE1) mg/L				Lab File ID: 007F0701.D		Analyzed: 08/23/12 15:04		
o-Terphenyl	0.02000	72.2	30 - 140	11.18	11.166	0.0140	+/-0.050	
Calibration Check (2H24012-CCV2) mg/L				Lab File ID: 008F0801.D		Analyzed: 08/23/12 15:37		
o-Terphenyl	50.00	100	80 - 120	11.16	11.166	-0.0060	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0687	08/06/12 16:08	08/08/12 08:15	08/09/12 14:21	2.88	7.00	08/20/12 14:17	11.00	40.00	
GW0688	08/06/12 13:29	08/08/12 08:15	08/09/12 14:21	2.99	7.00	08/10/12 22:35	1.34	40.00	
GW0689	08/06/12 11:11	08/08/12 08:15	08/09/12 14:21	3.09	7.00	08/10/12 23:08	1.37	40.00	
GW0704	08/06/12 13:25	08/08/12 08:15	08/09/12 14:21	3.00	7.00	08/10/12 23:41	1.39	40.00	
GW0705	08/06/12 11:25	08/08/12 08:15	08/09/12 14:21	3.08	7.00	08/11/12 00:14	1.41	40.00	
GW0706	08/06/12 15:25	08/08/12 08:15	08/09/12 14:21	2.91	7.00	08/11/12 00:47	1.43	40.00	
GW0707	08/07/12 10:46	08/08/12 08:15	08/09/12 14:21	2.11	7.00	08/20/12 14:50	11.02	40.00	
GW0734	08/07/12 12:55	08/08/12 08:15	08/09/12 14:21	2.02	7.00	08/11/12 01:54	1.48	40.00	
GW0735	08/07/12 10:27	08/08/12 08:15	08/09/12 14:21	2.12	7.00	08/11/12 02:27	1.50	40.00	
GW0736	08/07/12 10:27	08/08/12 08:15	08/09/12 14:21	2.12	7.00	08/11/12 03:00	1.53	40.00	
GW8056-RB	08/07/12 08:20	08/08/12 08:15	08/09/12 14:21	2.21	7.00	08/11/12 04:06	1.57	40.00	
GW0633	08/08/12 14:58	08/09/12 08:20	08/09/12 14:21	0.93	7.00	08/11/12 04:39	1.60	40.00	
GW0634	08/08/12 14:58	08/09/12 08:20	08/09/12 14:21	0.93	7.00	08/11/12 05:12	1.62	40.00	
GW0636	08/08/12 10:54	08/09/12 08:20	08/09/12 14:21	1.10	7.00	08/11/12 05:45	1.64	40.00	
GW0642	08/07/12 15:19	08/09/12 08:20	08/09/12 14:21	1.92	7.00	08/11/12 06:18	1.66	40.00	
GW0695	08/08/12 13:56	08/09/12 08:20	08/09/12 14:21	0.98	7.00	08/11/12 06:51	1.69	40.00	
GW0696	08/08/12 11:32	08/09/12 08:20	08/09/12 14:21	1.08	7.00	08/11/12 07:24	1.71	40.00	
GW0733	08/07/12 15:05	08/09/12 08:20	08/09/12 14:21	1.93	7.00	08/11/12 07:57	1.73	40.00	
GW8057-RB	08/08/12 08:20	08/09/12 08:20	08/09/12 14:21	1.21	7.00	08/11/12 08:31	1.76	40.00	
GW0632	08/09/12 14:47	08/10/12 08:20	08/16/12 10:37	6.78	7.00	08/23/12 13:23	7.12	40.00	
GW0637	08/09/12 14:01	08/10/12 08:20	08/16/12 10:37	6.82	7.00	08/23/12 13:57	7.14	40.00	
GW0641	08/09/12 10:48	08/10/12 08:20	08/16/12 10:37	6.95	7.00	08/23/12 14:30	7.16	40.00	
GW0694	08/08/12 16:48	08/10/12 08:20	08/16/12 10:37	7.70	7.00	08/23/12 15:04	7.19	40.00	
GW0708	08/09/12 11:02	08/10/12 08:20	08/16/12 10:37	6.94	7.00	08/21/12 20:05	5.39	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H09009-BLK1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	08/10/12 18:10
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2H09009	Sequence:	2H22707	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01922	96.1	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H09009-BS1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	08/10/12 18:43
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2H09009	Sequence:	2H22707	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8758	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01544	77.2	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H09009-BSD1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	08/10/12 19:16
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2H09009	Sequence:	2H22707	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.027	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01830	91.5	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14020-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/21/12 16:46
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2H14020	Sequence:	2H23626	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01603	80.1	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14020-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/21/12 17:19
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2H14020	Sequence:	2H23626	Calibration:	2214001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.026	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01941	97.1	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21611-CAL1	003F0301.D	07/31/12 15:05
Cal Standard	2H21611-CAL2	004F0401.D	07/31/12 15:45
Cal Standard	2H21611-CAL3	005F0501.D	07/31/12 16:25
Cal Standard	2H21611-CAL4	006F0601.D	07/31/12 17:05
Cal Standard	2H21611-CAL5	007F0701.D	07/31/12 17:44
Cal Standard	2H21611-CAL6	008F0801.D	07/31/12 18:24
Initial Cal Check	2H21611-ICV1	003F0301.D	08/02/12 14:13

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22710	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H22710-CCV1	003F0301.D	08/10/12 16:42
LCS	2H09011-BS1	004F0401.D	08/10/12 17:21
Blank	2H09011-BLK1	005F0501.D	08/10/12 17:59
Calibration Check	2H22710-CCV2	016F1601.D	08/11/12 01:00
GW0688	1208055-03	017F1701.D	08/11/12 01:38
GW0689	1208055-05	018F1801.D	08/11/12 02:16
GW0704	1208055-07	019F1901.D	08/11/12 02:54
GW0705	1208055-09	020F2001.D	08/11/12 03:32
GW0706	1208055-11	021F2101.D	08/11/12 04:10
GW0734	1208055-15	022F2201.D	08/11/12 04:48
GW0735	1208055-17	023F2301.D	08/11/12 05:27
GW0736	1208055-19	024F2401.D	08/11/12 06:05
GW8056-RB	1208055-21	025F2501.D	08/11/12 06:43
Calibration Check	2H22710-CCV3	026F2601.D	08/11/12 07:22

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23307	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23307-CCV1	003F0301.D	08/17/12 18:42
Blank	2H14018-BLK1	004F0401.D	08/17/12 19:20
LCS	2H14018-BS1	005F0501.D	08/17/12 19:59
GW0633	1208065-01	006F0601.D	08/17/12 20:37
GW0634	1208065-03	007F0701.D	08/17/12 21:15
GW0636	1208065-05	008F0801.D	08/17/12 21:53
GW0642	1208065-07	009F0901.D	08/17/12 22:32
GW0695	1208065-09	010F1001.D	08/17/12 23:10
GW0696	1208065-11	011F1101.D	08/17/12 23:48
GW0733	1208065-13	012F1201.D	08/18/12 00:26
GW8057-RB	1208065-15	013F1301.D	08/18/12 01:04
GW0708	1208078-09	014F1401.D	08/18/12 01:42
Calibration Check	2H23307-CCV2	018F1801.D	08/18/12 04:14
GW0687	1208055-01	020F2001.D	08/18/12 05:30
GW0632	1208078-01	021F2101.D	08/18/12 06:08
GW0637	1208078-03	022F2201.D	08/18/12 06:46
GW0641	1208078-05	023F2301.D	08/18/12 07:26
GW0694	1208078-07	024F2401.D	08/18/12 08:05
Calibration Check	2H23307-CCV3	025F2501.D	08/18/12 08:43

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24010	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H24010-CCV1	006F0601.D	08/21/12 16:54
GW0707	1208055-13RE2	007F0701.D	08/21/12 17:33
GW0707	2H20026-MS1	008F0801.D	08/21/12 18:13
GW0707	2H20026-MSD1	009F0901.D	08/21/12 18:52
Calibration Check	2H24010-CCV2	010F1001.D	08/21/12 19:32
Calibration Check	2H24010-CCV3	012F1201.D	08/22/12 09:56
Blank	2H20026-BLK1	013F1301.D	08/22/12 10:47
LCS	2H20026-BS1	014F1401.D	08/22/12 11:26
Calibration Check	2H24010-CCV4	015F1501.D	08/22/12 12:06

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01	File ID:	020F2001.D
Sampled:	08/06/12 16:08	Prepared:	08/18/12 05:30	Analyzed:	08/18/12 05:30
Solids:		Preparation:	8015GRO	Dilution:	50

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	61.2	2.50	5.00	7.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05702	114	50 - 150	

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	017F1701.D
Sampled:	08/06/12 13:29	Prepared:	08/11/12 01:38	Analyzed:	08/11/12 01:38
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05906	118	50 - 150	

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	018F1801.D
Sampled:	08/06/12 11:11	Prepared:	08/11/12 02:16	Analyzed:	08/11/12 02:16
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05773	115	50 - 150	

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	019F1901.D
Sampled:	08/06/12 13:25	Prepared:	08/11/12 02:54	Analyzed:	08/11/12 02:54
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.217	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05964	119	50 - 150	

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	020F2001.D
Sampled:	08/06/12 11:25	Prepared:	08/11/12 03:32	Analyzed:	08/11/12 03:32
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05396	108	50 - 150	

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	021F2101.D
Sampled:	08/06/12 15:25	Prepared:	08/11/12 04:10	Analyzed:	08/11/12 04:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05923	118	50 - 150	

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13RE2	File ID:	007F0701.D
Sampled:	08/07/12 10:46	Prepared:	08/21/12 17:33	Analyzed:	08/21/12 17:33
Solids:		Preparation:	8015GRO	Dilution:	25

Batch: 2H20026 Sequence: 2H24010 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	55.6	1.25	2.50	3.75	X, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04630	92.6	50 - 150	

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	022F2201.D
Sampled:	08/07/12 12:55	Prepared:	08/11/12 04:48	Analyzed:	08/11/12 04:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05635	113	50 - 150	

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	023F2301.D
Sampled:	08/07/12 10:27	Prepared:	08/11/12 05:27	Analyzed:	08/11/12 05:27
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05995	120	50 - 150	

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	024F2401.D
Sampled:	08/07/12 10:27	Prepared:	08/11/12 06:05	Analyzed:	08/11/12 06:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05630	113	50 - 150	

ANALYSIS DATA SHEET

GW8056-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21	File ID:	025F2501.D
Sampled:	08/07/12 08:20	Prepared:	08/11/12 06:43	Analyzed:	08/11/12 06:43
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H09011 Sequence: 2H22710 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05468	109	50 - 150	

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01	File ID:	006F0601.D
Sampled:	08/08/12 14:58	Prepared:	08/17/12 20:37	Analyzed:	08/17/12 20:37
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	2.58	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04805	96.1	50 - 150	

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03	File ID:	007F0701.D
Sampled:	08/08/12 14:58	Prepared:	08/17/12 21:15	Analyzed:	08/17/12 21:15
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	2.80	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05082	102	50 - 150	

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	008F0801.D
Sampled:	08/08/12 10:54	Prepared:	08/17/12 21:53	Analyzed:	08/17/12 21:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.39	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05512	110	50 - 150	

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	009F0901.D
Sampled:	08/07/12 15:19	Prepared:	08/17/12 22:32	Analyzed:	08/17/12 22:32
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.113	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05840	117	50 - 150	

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	010F1001.D
Sampled:	08/08/12 13:56	Prepared:	08/17/12 23:10	Analyzed:	08/17/12 23:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.287	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05533	111	50 - 150	

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	011F1101.D
Sampled:	08/08/12 11:32	Prepared:	08/17/12 23:48	Analyzed:	08/17/12 23:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06216	124	50 - 150	

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	012F1201.D
Sampled:	08/07/12 15:05	Prepared:	08/18/12 00:26	Analyzed:	08/18/12 00:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05845	117	50 - 150	

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15	File ID:	013F1301.D
Sampled:	08/08/12 08:20	Prepared:	08/18/12 01:04	Analyzed:	08/18/12 01:04
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05788	116	50 - 150	

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01	File ID:	021F2101.D
Sampled:	08/09/12 14:47	Prepared:	08/18/12 06:08	Analyzed:	08/18/12 06:08
Solids:		Preparation:	8015GRO	Dilution:	20

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	16.4	1.00	2.00	3.00	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04968	99.4	50 - 150	

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03	File ID:	022F2201.D
Sampled:	08/09/12 14:01	Prepared:	08/18/12 06:46	Analyzed:	08/18/12 06:46
Solids:		Preparation:	8015GRO	Dilution:	100

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	62.9	5.00	10.0	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04870	97.4	50 - 150	

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05	File ID:	023F2301.D
Sampled:	08/09/12 10:48	Prepared:	08/18/12 07:26	Analyzed:	08/18/12 07:26
Solids:		Preparation:	8015GRO	Dilution:	100

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	70.7	5.00	10.0	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05212	104	50 - 150	

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07	File ID:	024F2401.D
Sampled:	08/08/12 16:48	Prepared:	08/18/12 08:05	Analyzed:	08/18/12 08:05
Solids:		Preparation:	8015GRO	Dilution:	50

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	33.7	2.50	5.00	7.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04660	93.2	50 - 150	

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	014F1401.D
Sampled:	08/09/12 11:02	Prepared:	08/18/12 01:42	Analyzed:	08/18/12 01:42
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2H14018 Sequence: 2H23307 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05937	119	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H09011	Laboratory ID:	2H09011-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	0.5221	104	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14018	Laboratory ID:	2H14018-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	0.4891	97.8	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H20026	Laboratory ID:	2H20026-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	0.5088	102	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0707

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H20026

% Solids:

Source Sample Name: **1208055-13RE2**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	12.50	55.56	66.48	87.4		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	12.50	66.98	91.4	0.752		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H09011 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0688	1208055-03	08/11/12 01:38	5.00	5.00
GW0689	1208055-05	08/11/12 02:16	5.00	5.00
GW0704	1208055-07	08/11/12 02:54	5.00	5.00
GW0705	1208055-09	08/11/12 03:32	5.00	5.00
GW0706	1208055-11	08/11/12 04:10	5.00	5.00
GW0734	1208055-15	08/11/12 04:48	5.00	5.00
GW0735	1208055-17	08/11/12 05:27	5.00	5.00
GW0736	1208055-19	08/11/12 06:05	5.00	5.00
GW8056-RB	1208055-21	08/11/12 06:43	5.00	5.00
Blank	2H09011-BLK1	08/10/12 17:59	5.00	5.00
LCS	2H09011-BS1	08/10/12 17:21	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14018 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/18/12 05:30	5.00	5.00
GW0633	1208065-01	08/17/12 20:37	5.00	5.00
GW0634	1208065-03	08/17/12 21:15	5.00	5.00
GW0636	1208065-05	08/17/12 21:53	5.00	5.00
GW0642	1208065-07	08/17/12 22:32	5.00	5.00
GW0695	1208065-09	08/17/12 23:10	5.00	5.00
GW0696	1208065-11	08/17/12 23:48	5.00	5.00
GW0733	1208065-13	08/18/12 00:26	5.00	5.00
GW8057-RB	1208065-15	08/18/12 01:04	5.00	5.00
GW0632	1208078-01	08/18/12 06:08	5.00	5.00
GW0637	1208078-03	08/18/12 06:46	5.00	5.00
GW0641	1208078-05	08/18/12 07:26	5.00	5.00
GW0694	1208078-07	08/18/12 08:05	5.00	5.00
GW0708	1208078-09	08/18/12 01:42	5.00	5.00
Blank	2H14018-BLK1	08/17/12 19:20	5.00	5.00
LCS	2H14018-BS1	08/17/12 19:59	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H20026 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0707	1208055-13RE2	08/21/12 17:33	5.00	5.00
Blank	2H20026-BLK1	08/22/12 10:47	5.00	5.00
LCS	2H20026-BS1	08/22/12 11:26	5.00	5.00
GW0707	2H20026-MS1	08/21/12 18:13	5.00	5.00
GW0707	2H20026-MSD1	08/21/12 18:52	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12H0009	GRO Cal 0.1ppm	2H21611-CAL1	003F0301.D	07/31/12 15:05
12H0010	GRO Cal 0.2ppm	2H21611-CAL2	004F0401.D	07/31/12 15:45
12H0011	GRO Cal 0.5ppm	2H21611-CAL3	005F0501.D	07/31/12 16:25
12H0012	GRO Cal 1.0ppm	2H21611-CAL4	006F0601.D	07/31/12 17:05
12H0013	GRO Cal 2.0ppm	2H21611-CAL5	007F0701.D	07/31/12 17:44
12H0014	GRO Cal 5.0ppm	2H21611-CAL6	008F0801.D	07/31/12 18:24

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12_15:05	7/31/12_18:24

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	0.1	2233630	0.2	1477410	0.5	1120412	1	946984	2	1011274	5	961363.4
Bromofluorobenzene	0.01	1563200	0.02	941550	0.05	566820	0.1	481890	0.2	490520	0.5	412342

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12 15:05	7/31/12 18:24

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1291846	38.82256	7.807	0.017641	0.9992676		0.995	
Bromofluorobenzene	742720.3	59.74288	20.3135	9.003825E-03	0.9969704		0.995	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21611	Injection Date:	08/02/12
Lab Sample ID:	2H21611-ICV1	Injection Time:	14:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4958	1291846	1119582		-0.8	20
Bromofluorobenzene	L	0.05000	0.04848	742720.3	607700		-3.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2H22710	Injection Date:	08/10/12
Lab Sample ID:	2H22710-CCV1	Injection Time:	16:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5272	1291846	1178926		5.4	20
Bromofluorobenzene	L	0.05000	0.05271	742720.3	641180		5.4	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	016F1601.D	Calibration Date:	07/31/12 15:05
Sequence:	2H22710	Injection Date:	08/11/12
Lab Sample ID:	2H22710-CCV2	Injection Time:	01:00

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4255	1291846	986936		-14.9	20
Bromofluorobenzene	L	0.05000	0.04857	742720.3	608400		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	026F2601.D	Calibration Date:	07/31/12 15:05
Sequence:	2H22710	Injection Date:	08/11/12
Lab Sample ID:	2H22710-CCV3	Injection Time:	07:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4640	1291846	1059616		-7.2	20
Bromofluorobenzene	L	0.05000	0.04854	742720.3	608200		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2H23307	Injection Date:	08/17/12
Lab Sample ID:	2H23307-CCV1	Injection Time:	18:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5542	1291846	1229900		10.8	20
Bromofluorobenzene	L	0.05000	0.04768	742720.3	601420		-4.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	018F1801.D	Calibration Date:	07/31/12 15:05
Sequence:	2H23307	Injection Date:	08/18/12
Lab Sample ID:	2H23307-CCV2	Injection Time:	04:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4752	1291846	1080714		-5.0	20
Bromofluorobenzene	L	0.05000	0.05446	742720.3	655000		8.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	025F2501.D	Calibration Date:	07/31/12 15:05
Sequence:	2H23307	Injection Date:	08/18/12
Lab Sample ID:	2H23307-CCV3	Injection Time:	08:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5009	1291846	1129350		0.2	20
Bromofluorobenzene	L	0.05000	0.04819	742720.3	605440		-3.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	006F0601.D	Calibration Date:	07/31/12 15:05
Sequence:	2H24010	Injection Date:	08/21/12
Lab Sample ID:	2H24010-CCV1	Injection Time:	16:54

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4982	1291846	1124116		-0.4	20
Bromofluorobenzene	L	0.05000	0.05333	742720.3	646080		6.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	010F1001.D	Calibration Date:	07/31/12 15:05
Sequence:	2H24010	Injection Date:	08/21/12
Lab Sample ID:	2H24010-CCV2	Injection Time:	19:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.6291	1291846	1371128		25.8	20 *
Bromofluorobenzene	L	0.05000	0.05832	742720.3	685500		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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	012F1201.D	Calibration Date:	07/31/12 15:05
Sequence:	2H24010	Injection Date:	08/22/12
Lab Sample ID:	2H24010-CCV3	Injection Time:	09:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5106	1291846	1147682		2.1	20
Bromofluorobenzene	L	0.05000	0.05527	742720.3	661440		10.5	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	015F1501.D	Calibration Date:	07/31/12 15:05
Sequence:	2H24010	Injection Date:	08/22/12
Lab Sample ID:	2H24010-CCV4	Injection Time:	12:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4856	1291846	1100432		-2.9	20
Bromofluorobenzene	L	0.05000	0.05396	742720.3	651080		7.9	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22710	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H22710-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 08/10/12 16:42		
Bromofluorobenzene	0.05000	105	80 - 120	20.326	20.326	0.0000	+/-0.210	
LCS (2H09011-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/10/12 17:21		
Bromofluorobenzene	0.05000	122	50 - 150	20.33	20.326	0.0040	+/-0.210	
Blank (2H09011-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/10/12 17:59		
Bromofluorobenzene	0.05000	128	50 - 150	20.33	20.326	0.0040	+/-0.210	
Calibration Check (2H22710-CCV2) ug/mL				Lab File ID: 016F1601.D		Analyzed: 08/11/12 01:00		
Bromofluorobenzene	0.05000	97.1	80 - 120	20.333	20.326	0.0070	+/-0.210	
GW0688 (1208055-03) mg/L				Lab File ID: 017F1701.D		Analyzed: 08/11/12 01:38		
Bromofluorobenzene	0.05000	118	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0689 (1208055-05) mg/L				Lab File ID: 018F1801.D		Analyzed: 08/11/12 02:16		
Bromofluorobenzene	0.05000	115	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0704 (1208055-07) mg/L				Lab File ID: 019F1901.D		Analyzed: 08/11/12 02:54		
Bromofluorobenzene	0.05000	119	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0705 (1208055-09) mg/L				Lab File ID: 020F2001.D		Analyzed: 08/11/12 03:32		
Bromofluorobenzene	0.05000	108	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0706 (1208055-11) mg/L				Lab File ID: 021F2101.D		Analyzed: 08/11/12 04:10		
Bromofluorobenzene	0.05000	118	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0734 (1208055-15) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/11/12 04:48		
Bromofluorobenzene	0.05000	113	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0735 (1208055-17) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/11/12 05:27		
Bromofluorobenzene	0.05000	120	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0736 (1208055-19) mg/L				Lab File ID: 024F2401.D		Analyzed: 08/11/12 06:05		
Bromofluorobenzene	0.05000	113	50 - 150	20.336	20.326	0.0100	+/-0.210	
GW8056-RB (1208055-21) mg/L				Lab File ID: 025F2501.D		Analyzed: 08/11/12 06:43		
Bromofluorobenzene	0.05000	109	50 - 150	20.333	20.326	0.0070	+/-0.210	
Calibration Check (2H22710-CCV3) ug/mL				Lab File ID: 026F2601.D		Analyzed: 08/11/12 07:22		
Bromofluorobenzene	0.05000	97.1	80 - 120	20.32	20.326	-0.0060	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23307	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23307-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 08/17/12 18:42		
Bromofluorobenzene	0.05000	95.4	80 - 120	20.326	20.326	0.0000	+/-0.210	
Blank (2H14018-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/17/12 19:20		
Bromofluorobenzene	0.05000	116	50 - 150	20.32	20.326	-0.0060	+/-0.210	
LCS (2H14018-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/17/12 19:59		
Bromofluorobenzene	0.05000	92.7	50 - 150	20.323	20.326	-0.0030	+/-0.210	
GW0633 (1208065-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/17/12 20:37		
Bromofluorobenzene	0.05000	96.1	50 - 150	20.32	20.326	-0.0060	+/-0.210	
GW0634 (1208065-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 08/17/12 21:15		
Bromofluorobenzene	0.05000	102	50 - 150	20.32	20.326	-0.0060	+/-0.210	
GW0636 (1208065-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 08/17/12 21:53		
Bromofluorobenzene	0.05000	110	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0642 (1208065-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 08/17/12 22:32		
Bromofluorobenzene	0.05000	117	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0695 (1208065-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 08/17/12 23:10		
Bromofluorobenzene	0.05000	111	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0696 (1208065-11) mg/L				Lab File ID: 011F1101.D		Analyzed: 08/17/12 23:48		
Bromofluorobenzene	0.05000	124	50 - 150	20.33	20.326	0.0040	+/-0.210	
GW0733 (1208065-13) mg/L				Lab File ID: 012F1201.D		Analyzed: 08/18/12 00:26		
Bromofluorobenzene	0.05000	117	50 - 150	20.33	20.326	0.0040	+/-0.210	
GW8057-RB (1208065-15) mg/L				Lab File ID: 013F1301.D		Analyzed: 08/18/12 01:04		
Bromofluorobenzene	0.05000	116	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0708 (1208078-09) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/18/12 01:42		
Bromofluorobenzene	0.05000	119	50 - 150	20.333	20.326	0.0070	+/-0.210	
Calibration Check (2H23307-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 08/18/12 04:14		
Bromofluorobenzene	0.05000	109	80 - 120	20.333	20.326	0.0070	+/-0.210	
GW0687 (1208055-01) mg/L				Lab File ID: 020F2001.D		Analyzed: 08/18/12 05:30		
Bromofluorobenzene	0.05000	114	50 - 150	20.33	20.326	0.0040	+/-0.210	
GW0632 (1208078-01) mg/L				Lab File ID: 021F2101.D		Analyzed: 08/18/12 06:08		
Bromofluorobenzene	0.05000	99.4	50 - 150	20.333	20.326	0.0070	+/-0.210	
GW0637 (1208078-03) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/18/12 06:46		
Bromofluorobenzene	0.05000	97.4	50 - 150	20.326	20.326	0.0000	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23307	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0641 (1208078-05) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/18/12 07:26		
Bromofluorobenzene	0.05000	104	50 - 150	20.313	20.326	-0.0130	+/-0.210	
GW0694 (1208078-07) mg/L				Lab File ID: 024F2401.D		Analyzed: 08/18/12 08:05		
Bromofluorobenzene	0.05000	93.2	50 - 150	20.313	20.326	-0.0130	+/-0.210	
Calibration Check (2H23307-CCV3) ug/mL				Lab File ID: 025F2501.D		Analyzed: 08/18/12 08:43		
Bromofluorobenzene	0.05000	96.4	80 - 120	20.313	20.326	-0.0130	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24010	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H24010-CCV1) ug/mL				Lab File ID: 006F0601.D		Analyzed: 08/21/12 16:54		
Bromofluorobenzene	0.05000	107	80 - 120	20.31	20.31	0.0000	+/-0.210	
GW0707 (1208055-13RE2) mg/L				Lab File ID: 007F0701.D		Analyzed: 08/21/12 17:33		
Bromofluorobenzene	0.05000	92.6	50 - 150	20.31	20.31	0.0000	+/-0.210	
Matrix Spike (2H20026-MS1) mg/L				Lab File ID: 008F0801.D		Analyzed: 08/21/12 18:13		
Bromofluorobenzene	0.05000	80.0	50 - 150	20.31	20.31	0.0000	+/-0.210	
Matrix Spike Dup (2H20026-MSD1) mg/L				Lab File ID: 009F0901.D		Analyzed: 08/21/12 18:52		
Bromofluorobenzene	0.05000	82.9	50 - 150	20.31	20.31	0.0000	+/-0.210	
Calibration Check (2H24010-CCV2) ug/mL				Lab File ID: 010F1001.D		Analyzed: 08/21/12 19:32		
Bromofluorobenzene	0.05000	117	80 - 120	20.31	20.31	0.0000	+/-0.210	
Calibration Check (2H24010-CCV3) ug/mL				Lab File ID: 012F1201.D		Analyzed: 08/22/12 09:56		
Bromofluorobenzene	0.05000	111	80 - 120	20.296	20.31	-0.0140	+/-0.210	
Blank (2H20026-BLK1) mg/L				Lab File ID: 013F1301.D		Analyzed: 08/22/12 10:47		
Bromofluorobenzene	0.05000	120	50 - 150	20.303	20.31	-0.0070	+/-0.210	
LCS (2H20026-BS1) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/22/12 11:26		
Bromofluorobenzene	0.05000	102	50 - 150	20.303	20.31	-0.0070	+/-0.210	
Calibration Check (2H24010-CCV4) ug/mL				Lab File ID: 015F1501.D		Analyzed: 08/22/12 12:06		
Bromofluorobenzene	0.05000	108	80 - 120	20.303	20.31	-0.0070	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0687	08/06/12 16:08	08/08/12 08:15	08/18/12 05:30	N/A	14.00	08/18/12 05:30	11.52	14.00	
GW0688	08/06/12 13:29	08/08/12 08:15	08/11/12 01:38	N/A	14.00	08/11/12 01:38	4.46	14.00	
GW0689	08/06/12 11:11	08/08/12 08:15	08/11/12 02:16	N/A	14.00	08/11/12 02:16	4.59	14.00	
GW0704	08/06/12 13:25	08/08/12 08:15	08/11/12 02:54	N/A	14.00	08/11/12 02:54	4.52	14.00	
GW0705	08/06/12 11:25	08/08/12 08:15	08/11/12 03:32	N/A	14.00	08/11/12 03:32	4.63	14.00	
GW0706	08/06/12 15:25	08/08/12 08:15	08/11/12 04:10	N/A	14.00	08/11/12 04:10	4.49	14.00	
GW0707	08/07/12 10:46	08/08/12 08:15	08/21/12 17:33	N/A	14.00	08/21/12 17:33	14.24	14.00	
GW0734	08/07/12 12:55	08/08/12 08:15	08/11/12 04:48	N/A	14.00	08/11/12 04:48	3.62	14.00	
GW0735	08/07/12 10:27	08/08/12 08:15	08/11/12 05:27	N/A	14.00	08/11/12 05:27	3.75	14.00	
GW0736	08/07/12 10:27	08/08/12 08:15	08/11/12 06:05	N/A	14.00	08/11/12 06:05	3.78	14.00	
GW8056-RB	08/07/12 08:20	08/08/12 08:15	08/11/12 06:43	N/A	14.00	08/11/12 06:43	3.89	14.00	
GW0633	08/08/12 14:58	08/09/12 08:20	08/17/12 20:37	N/A	14.00	08/17/12 20:37	9.19	14.00	
GW0634	08/08/12 14:58	08/09/12 08:20	08/17/12 21:15	N/A	14.00	08/17/12 21:15	9.22	14.00	
GW0636	08/08/12 10:54	08/09/12 08:20	08/17/12 21:53	N/A	14.00	08/17/12 21:53	9.42	14.00	
GW0642	08/07/12 15:19	08/09/12 08:20	08/17/12 22:32	N/A	14.00	08/17/12 22:32	10.26	14.00	
GW0695	08/08/12 13:56	08/09/12 08:20	08/17/12 23:10	N/A	14.00	08/17/12 23:10	9.34	14.00	
GW0696	08/08/12 11:32	08/09/12 08:20	08/17/12 23:48	N/A	14.00	08/17/12 23:48	9.47	14.00	
GW0733	08/07/12 15:05	08/09/12 08:20	08/18/12 00:26	N/A	14.00	08/18/12 00:26	10.35	14.00	
GW8057-RB	08/08/12 08:20	08/09/12 08:20	08/18/12 01:04	N/A	14.00	08/18/12 01:04	9.66	14.00	
GW0632	08/09/12 14:47	08/10/12 08:20	08/18/12 06:08	N/A	14.00	08/18/12 06:08	8.60	14.00	
GW0637	08/09/12 14:01	08/10/12 08:20	08/18/12 06:46	N/A	14.00	08/18/12 06:46	8.66	14.00	
GW0641	08/09/12 10:48	08/10/12 08:20	08/18/12 07:26	N/A	14.00	08/18/12 07:26	8.82	14.00	
GW0694	08/08/12 16:48	08/10/12 08:20	08/18/12 08:05	N/A	14.00	08/18/12 08:05	9.60	14.00	
GW0708	08/09/12 11:02	08/10/12 08:20	08/18/12 01:42	N/A	14.00	08/18/12 01:42	8.57	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H09011-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/10/12 17:59
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2H09011	Sequence:	2H22710	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06424	128	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H09011-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/10/12 17:21
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2H09011	Sequence:	2H22710	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5221	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06109	122	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14018-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/17/12 19:20
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2H14018	Sequence:	2H23307	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05776	116	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14018-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/17/12 19:59
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2H14018	Sequence:	2H23307	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4891	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04635	92.7	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_060	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2H20026-BLK1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	08/22/12 10:47
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2H20026 Sequence: 2H24010 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06008	120	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H20026-BS1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	08/22/12 11:26
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2H20026	Sequence:	2H24010	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5088	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05102	102	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H20026-MS1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	08/21/12 18:13
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2H20026	Sequence:	2H24010	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	66.48	1.25	2.50	3.75	X, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03998	80.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_060	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2H20026-MSD1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	08/21/12 18:52
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2H20026 Sequence: 2H24010 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	66.98	1.25	2.50	3.75	X, D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04147	82.9	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21615	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21615-CAL1	002R0101.D	08/02/12 15:07
Cal Standard	2H21615-CAL1	002F0101.D	08/02/12 15:07
Cal Standard	2H21615-CAL2	003R0101.D	08/02/12 15:29
Cal Standard	2H21615-CAL3	004R0101.D	08/02/12 15:51
Cal Standard	2H21615-CAL3	004F0101.D	08/02/12 15:51
Cal Standard	2H21615-CAL4	005R0101.D	08/02/12 16:13
Cal Standard	2H21615-CAL4	005F0101.D	08/02/12 16:13
Cal Standard	2H21615-CAL5	006R0101.D	08/02/12 16:35
Cal Standard	2H21615-CAL5	006F0101.D	08/02/12 16:35
Cal Standard	2H21615-CAL6	007R0101.D	08/02/12 16:57
Cal Standard	2H21615-CAL6	007F0101.D	08/02/12 16:57
Initial Cal Check	2H21615-ICV1	008R0101.D	08/02/12 17:19
Initial Cal Check	2H21615-ICV1	008F0101.D	08/02/12 17:19

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23303	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23303-CCV1	002R0101.D	08/14/12 14:56
Calibration Check	2H23303-CCV1	002F0101.D	08/14/12 14:56
Blank	2H14003-BLK1	003R0101.D	08/14/12 15:17
Blank	2H14003-BLK1	003F0101.D	08/14/12 15:17
LCS	2H14003-BS1	004R0101.D	08/14/12 15:39
LCS	2H14003-BS1	004F0101.D	08/14/12 15:39
LCS Dup	2H14003-BSD1	005R0101.D	08/14/12 16:00
LCS Dup	2H14003-BSD1	005F0101.D	08/14/12 16:00
GW0688	1208055-03	008R0101.D	08/14/12 17:04
GW0688	1208055-03	008F0101.D	08/14/12 17:04
GW0689	1208055-05	009R0101.D	08/14/12 17:25
GW0689	1208055-05	009F0101.D	08/14/12 17:25
GW0704	1208055-07	010F0101.D	08/14/12 17:46
GW0704	1208055-07	010R0101.D	08/14/12 17:46
GW0705	1208055-09	011F0101.D	08/14/12 18:08
GW0705	1208055-09	011R0101.D	08/14/12 18:08
GW0706	1208055-11	012R0101.D	08/14/12 18:29
GW0706	1208055-11	012F0101.D	08/14/12 18:29
GW0734	1208055-15	014F0101.D	08/14/12 19:11
GW0734	1208055-15	014R0101.D	08/14/12 19:11
GW0735	1208055-17	015F0101.D	08/14/12 19:32
GW0735	1208055-17	015R0101.D	08/14/12 19:32
Calibration Check	2H23303-CCV2	016R0101.D	08/14/12 19:54
Calibration Check	2H23303-CCV2	016F0101.D	08/14/12 19:54
GW0736	1208055-19	017F0101.D	08/14/12 20:16
GW0736	1208055-19	017R0101.D	08/14/12 20:16
GW0636	1208065-05	020F0101.D	08/14/12 21:19
GW0636	1208065-05	020R0101.D	08/14/12 21:19
GW0642	1208065-07	021F0101.D	08/14/12 21:41
GW0642	1208065-07	021R0101.D	08/14/12 21:41
GW0695	1208065-09	022R0101.D	08/14/12 22:02
GW0695	1208065-09	022F0101.D	08/14/12 22:02

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23303	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0696	1208065-11	023F0101.D	08/14/12 22:23
GW0696	1208065-11	023R0101.D	08/14/12 22:23
GW0733	1208065-13	024R0101.D	08/14/12 22:45
GW0733	1208065-13	024F0101.D	08/14/12 22:45
GW0708	1208078-09	026F0101.D	08/14/12 23:27
GW0708	1208078-09	026R0101.D	08/14/12 23:27
Calibration Check	2H23303-CCV3	027R0101.D	08/14/12 23:48
Calibration Check	2H23303-CCV3	027F0101.D	08/14/12 23:48

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23513	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23513-CCV1	002R0101.D	08/20/12 11:19
Calibration Check	2H23513-CCV1	002F0101.D	08/20/12 11:19
GW0633	1208065-01RE1	005R0101.D	08/20/12 12:23
GW0633	1208065-01RE1	005F0101.D	08/20/12 12:23
GW0687	1208055-01RE1	006R0101.D	08/20/12 12:45
GW0687	1208055-01RE1	006F0101.D	08/20/12 12:45
GW0634	1208065-03RE1	007R0101.D	08/20/12 13:06
GW0634	1208065-03RE1	007F0101.D	08/20/12 13:06
Calibration Check	2H23513-CCV2	009R0101.D	08/20/12 13:49
Calibration Check	2H23513-CCV2	009F0101.D	08/20/12 13:49

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23515	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23515-CCV1	002R0101.D	08/21/12 13:59
Calibration Check	2H23515-CCV1	002F0101.D	08/21/12 13:59
Blank	2H21929-BLK1	003R0101.D	08/21/12 14:20
Blank	2H21929-BLK1	003F0101.D	08/21/12 14:20
LCS	2H21929-BS1	004R0101.D	08/21/12 14:42
LCS	2H21929-BS1	004F0101.D	08/21/12 14:42
GW0632	1208078-01	005R0101.D	08/21/12 15:03
GW0632	1208078-01	005F0101.D	08/21/12 15:03
GW0637	1208078-03	006R0101.D	08/21/12 15:25
GW0637	1208078-03	006F0101.D	08/21/12 15:25
GW0707	1208055-13RE1	010R0101.D	08/21/12 16:50
GW0707	1208055-13RE1	010F0101.D	08/21/12 16:50
Calibration Check	2H23515-CCV2	014R0101.D	08/21/12 18:15
Calibration Check	2H23515-CCV2	014F0101.D	08/21/12 18:15

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23625	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23625-CCV1	002R0101.D	08/22/12 17:24
Calibration Check	2H23625-CCV1	002F0101.D	08/22/12 17:24
GW0694	1208078-07RE1	004R0101.D	08/22/12 18:06
GW0694	1208078-07RE1	004F0101.D	08/22/12 18:06
Calibration Check	2H23625-CCV2	005R0101.D	08/22/12 18:27
Calibration Check	2H23625-CCV2	005F0101.D	08/22/12 18:27

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24013	Instrument:	GL-ECD2
Calibration:	2216002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H24013-CCV1	002R0101.D	08/23/12 08:49
Calibration Check	2H24013-CCV1	002F0101.D	08/23/12 08:49
GW0641	1208078-05RE1	003R0101.D	08/23/12 09:10
GW0641	1208078-05RE1	003F0101.D	08/23/12 09:10
Calibration Check	2H24013-CCV2	004R0101.D	08/23/12 09:32
Calibration Check	2H24013-CCV2	004F0101.D	08/23/12 09:32

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01RE1	File ID:	006R0101.D
Sampled:	08/06/12 16:08	Prepared:	08/14/12 07:50	Analyzed:	08/20/12 12:45
Solids:		Preparation:	EDB	Dilution:	250

Batch: 2H14003 Sequence: 2H23513 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	185	2.39	4.78	7.18	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.914	ND		30 - 130	DX
1,3-Dibromopropane [2C]	1.914	ND		30 - 130	DX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03	File ID:	008R0101.D
Sampled:	08/06/12 13:29	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 17:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00949	0.0190	0.0285	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.899	2.303	121	30 - 130	X
1,3-Dibromopropane [2C]	1.899	1.875	98.8	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05	File ID:	009R0101.D
Sampled:	08/06/12 11:11	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 17:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00953	0.0191	0.0286	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.906	2.178	114	30 - 130	X
1,3-Dibromopropane [2C]	1.906	1.761	92.4	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07	File ID:	010F0101.D
Sampled:	08/06/12 13:25	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 17:46
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0718	0.00946	0.0189	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.892	1.884	99.6	30 - 130	X
1,3-Dibromopropane [2C]	1.892	1.559	82.4	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09	File ID:	011R0101.D
Sampled:	08/06/12 11:25	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 18:08
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00938	0.0188	0.0282	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.877	2.003	107	30 - 130	X
1,3-Dibromopropane [2C]	1.877	1.634	87.1	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11	File ID:	012F0101.D
Sampled:	08/06/12 15:25	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 18:29
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0679	0.00932	0.0186	0.0280	P

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.864	1.411	75.7	30 - 130	X
1,3-Dibromopropane [2C]	1.864	1.133	60.8	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13RE1	File ID:	010R0101.D
Sampled:	08/07/12 10:46	Prepared:	08/14/12 07:50	Analyzed:	08/21/12 16:50
Solids:		Preparation:	EDB	Dilution:	500

Batch: 2H14003 Sequence: 2H23515 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	315	4.73	9.46	14.2	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.893	ND		30 - 130	DX
1,3-Dibromopropane [2C]	1.893	ND		30 - 130	DX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15	File ID:	014R0101.D
Sampled:	08/07/12 12:55	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 19:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.881	2.243	119	30 - 130	X
1,3-Dibromopropane [2C]	1.881	1.776	94.4	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17	File ID:	015R0101.D
Sampled:	08/07/12 10:27	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 19:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00945	0.0189	0.0284	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.890	1.502	79.5	30 - 130	X
1,3-Dibromopropane [2C]	1.890	1.187	62.8	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19	File ID:	017R0101.D
Sampled:	08/07/12 10:27	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 20:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00956	0.0191	0.0287	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.913	1.458	76.2	30 - 130	
1,3-Dibromopropane [2C]	1.913	1.156	60.4	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01RE1	File ID:	005F0101.D
Sampled:	08/08/12 14:58	Prepared:	08/14/12 07:50	Analyzed:	08/20/12 12:23
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2H14003 Sequence: 2H23513 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.47	0.0477	0.0954	0.143	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.909	2.037	107	30 - 130	X
1,3-Dibromopropane [2C]	1.909	1.603	84.0	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03RE1	File ID:	007F0101.D
Sampled:	08/08/12 14:58	Prepared:	08/14/12 07:50	Analyzed:	08/20/12 13:06
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2H14003 Sequence: 2H23513 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.44	0.0473	0.0946	0.142	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.892	2.108	111	30 - 130	X
1,3-Dibromopropane [2C]	1.892	1.628	86.0	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05	File ID:	020F0101.D
Sampled:	08/08/12 10:54	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 21:19
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0430	0.00950	0.0190	0.0285	P

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.900	1.625	85.5	30 - 130	
1,3-Dibromopropane [2C]	1.900	1.366	71.9	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07	File ID:	021F0101.D
Sampled:	08/07/12 15:19	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 21:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0746	0.00944	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.888	1.856	98.3	30 - 130	
1,3-Dibromopropane [2C]	1.888	1.503	79.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09	File ID:	022R0101.D
Sampled:	08/08/12 13:56	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 22:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.138	0.00954	0.0191	0.0286	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.907	1.960	103	30 - 130	
1,3-Dibromopropane [2C]	1.907	1.556	81.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11	File ID:	023F0101.D
Sampled:	08/08/12 11:32	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 22:23
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00944	0.0189	0.0283	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.888	1.396	74.0	30 - 130	
1,3-Dibromopropane [2C]	1.888	1.128	59.8	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13	File ID:	024R0101.D
Sampled:	08/07/12 15:05	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 22:45
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00947	0.0189	0.0284	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.894	1.877	99.1	30 - 130	
1,3-Dibromopropane [2C]	1.894	1.528	80.6	30 - 130	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01	File ID:	005F0101.D
Sampled:	08/09/12 14:47	Prepared:	08/21/12 12:09	Analyzed:	08/21/12 15:03
Solids:		Preparation:	EDB	Dilution:	50

Batch: 2H21929 Sequence: 2H23515 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	15.8	0.467	0.934	1.40	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.868	ND		30 - 130	DX
1,3-Dibromopropane [2C]	1.868	ND		30 - 130	DX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03	File ID:	006F0101.D
Sampled:	08/09/12 14:01	Prepared:	08/21/12 12:09	Analyzed:	08/21/12 15:25
Solids:		Preparation:	EDB	Dilution:	200

Batch: 2H21929 Sequence: 2H23515 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	13.0	1.89	3.78	5.68	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.892	ND		30 - 130	DX
1,3-Dibromopropane [2C]	1.892	ND		30 - 130	DX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05RE1	File ID:	003F0101.D
Sampled:	08/09/12 10:48	Prepared:	08/21/12 12:09	Analyzed:	08/23/12 09:10
Solids:		Preparation:	EDB	Dilution:	500

Batch: 2H21929 Sequence: 2H24013 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	258	4.74	9.48	14.2	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.897	ND		30 - 130	DX
1,3-Dibromopropane [2C]	1.897	ND		30 - 130	DX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07RE1	File ID:	004F0101.D
Sampled:	08/08/12 16:48	Prepared:	08/14/12 07:50	Analyzed:	08/22/12 18:06
Solids:		Preparation:	EDB	Dilution:	200

Batch: 2H14003 Sequence: 2H23625 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	54.9	1.85	3.71	5.56	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.854	ND		30 - 130	DX
1,3-Dibromopropane [2C]	1.854	ND		30 - 130	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09	File ID:	026R0101.D
Sampled:	08/09/12 11:02	Prepared:	08/14/12 07:50	Analyzed:	08/14/12 23:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.880	1.081	57.5	30 - 130	
1,3-Dibromopropane [2C]	1.880	0.9424	50.1	30 - 130	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14003	Laboratory ID:	2H14003-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	0.5556	111	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5491	110	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5412	108	2.62	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5235	105	4.77	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H21929	Laboratory ID:	2H21929-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	0.5779	116	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.6413	128	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14003 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01RE1	08/14/12 07:50	36.58	35.00
GW0688	1208055-03	08/14/12 07:50	36.87	35.00
GW0689	1208055-05	08/14/12 07:50	36.73	35.00
GW0704	1208055-07	08/14/12 07:50	36.99	35.00
GW0705	1208055-09	08/14/12 07:50	37.30	35.00
GW0706	1208055-11	08/14/12 07:50	37.55	35.00
GW0707	1208055-13RE1	08/14/12 07:50	36.98	35.00
GW0734	1208055-15	08/14/12 07:50	37.22	35.00
GW0735	1208055-17	08/14/12 07:50	37.03	35.00
GW0736	1208055-19	08/14/12 07:50	36.60	35.00
GW0633	1208065-01RE1	08/14/12 07:50	36.67	35.00
GW0634	1208065-03RE1	08/14/12 07:50	36.99	35.00
GW0636	1208065-05	08/14/12 07:50	36.84	35.00
GW0642	1208065-07	08/14/12 07:50	37.07	35.00
GW0695	1208065-09	08/14/12 07:50	36.70	35.00
GW0696	1208065-11	08/14/12 07:50	37.08	35.00
GW0733	1208065-13	08/14/12 07:50	36.95	35.00
GW0694	1208078-07RE1	08/14/12 07:50	37.76	35.00
GW0708	1208078-09	08/14/12 07:50	37.24	35.00
Blank	2H14003-BLK1	08/14/12 07:50	35.00	35.00
LCS	2H14003-BS1	08/14/12 07:50	35.00	35.00
LCS Dup	2H14003-BSD1	08/14/12 07:50	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H21929 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01	08/21/12 12:09	37.48	35.00
GW0637	1208078-03	08/21/12 12:09	37.00	35.00
GW0641	1208078-05RE1	08/21/12 12:09	36.91	35.00
Blank	2H21929-BLK1	08/21/12 12:09	35.00	35.00
LCS	2H21929-BS1	08/21/12 12:09	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_060
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2H14003-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	08/14/12 07:50	Analyzed:	08/14/12 15:17
Solids:		Preparation:	EDB	Dilution:	

Batch: 2H14003 Sequence: 2H23303 Calibration: 2216002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.633	132	30 - 130	*X
1,3-Dibromopropane [2C]	2.000	2.108	105	30 - 130	X

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H21929-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	08/21/12 12:09	Analyzed:	08/21/12 14:20
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H21929	Sequence:	2H23515	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.751	138	30 - 130	*X
1,3-Dibromopropane [2C]	2.000	2.419	121	30 - 130	X

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21615	Instrument:	GL-ECD2
Calibration:	2216002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12H0104	EDB ICAL 1 (0.02ppb)	2H21615-CAL1	002R0101.D	08/02/12 15:07
12H0104	EDB ICAL 1 (0.02ppb)	2H21615-CAL1	002F0101.D	08/02/12 15:07
12H0105	EDB ICAL 2 (0.05ppb)	2H21615-CAL2	003R0101.D	08/02/12 15:29
12H0106	EDB ICAL 3 (0.10ppb)	2H21615-CAL3	004R0101.D	08/02/12 15:51
12H0106	EDB ICAL 3 (0.10ppb)	2H21615-CAL3	004F0101.D	08/02/12 15:51
12H0107	EDB ICAL 4 (0.20ppb)	2H21615-CAL4	005R0101.D	08/02/12 16:13
12H0107	EDB ICAL 4 (0.20ppb)	2H21615-CAL4	005F0101.D	08/02/12 16:13
12H0108	EDB ICAL 5 (0.5ppb)	2H21615-CAL5	006R0101.D	08/02/12 16:35
12H0108	EDB ICAL 5 (0.5ppb)	2H21615-CAL5	006F0101.D	08/02/12 16:35
12H0109	EDB ICAL 6 (1.0ppb)	2H21615-CAL6	007R0101.D	08/02/12 16:57
12H0109	EDB ICAL 6 (1.0ppb)	2H21615-CAL6	007F0101.D	08/02/12 16:57

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	8/2/12_15:07	8/2/12_16:57

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.02	43750	0.5		0.1	16280	0.2	14565	0.5	11758	1	10534
1,2-Dibromoethane [2C]	0.02	45750	0.5		0.1	34170	0.2	31895	0.5	30424	1	28172
1,2-Dibromo-3-chloropropane	0.02	60200	0.5		0.1	25410	0.2	22470	0.5	18706	1	16802
1,2-Dibromo-3-chloropropane [2C]	0.02	526550	0.5		0.1	135080	0.2	94485	0.5	71130	1	59251
1,3-Dibromopropane	0.1	23890	0.2		0.5	30890	1	28945	2	29173.5	4	27095.75
1,3-Dibromopropane [2C]	0.1	131790	0.2		0.5	119632	1	120012	2	114218	4	106049

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	8/2/12 15:07	8/2/12 16:57

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	19377.4	71.27668	2.4076	9.018324E-02	0.9984684		0.995	
1,2-Dibromoethane [2C]	34082.2	20.18139	2.2744	0.1390909	0.9987498		0.995	
1,2-Dibromo-3-chloropropane	28717.6	62.37215	8.5068	1.954159E-02	0.9984851		0.995	
1,2-Dibromo-3-chloropropane [2C]	177299.2	111.3219	8.6948	4.920545E-03	0.9986171		0.995	
1,3-Dibromopropane	27998.85	9.505355	5.7244	5.988388E-02			20	
1,3-Dibromopropane [2C]	118340.2	7.943054	5.6374	5.560242E-02			20	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	008F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H21615	Injection Date:	08/02/12
Lab Sample ID:	2H21615-ICV1	Injection Time:	17:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5522	19377.4	12450		10.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5721	34082.2	33216		14.4	20
1,3-Dibromopropane	A	2.000	2.135	27998.85	29886.5		6.7	20
1,3-Dibromopropane [2C]	A	2.000	1.965	118340.2	116265		-1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	002F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23303	Injection Date:	08/14/12
Lab Sample ID:	2H23303-CCV1	Injection Time:	14:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5681	19377.4	12764		13.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.5306	34082.2	30910		6.1	20
1,3-Dibromopropane	A	2.000	3.121	27998.85	43688		56.0	20 *
1,3-Dibromopropane [2C]	A	2.000	2.438	118340.2	144290.5		21.9	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	016F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23303	Injection Date:	08/14/12
Lab Sample ID:	2H23303-CCV2	Injection Time:	19:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4335	19377.4	10104		-13.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4449	34082.2	26138		-11.0	20
1,3-Dibromopropane	A	2.000	2.190	27998.85	30664.5		9.5	20
1,3-Dibromopropane [2C]	A	2.000	1.764	118340.2	104369		-11.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	027F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23303	Injection Date:	08/14/12
Lab Sample ID:	2H23303-CCV3	Injection Time:	23:48

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4055	19377.4	9552		-18.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.4860	34082.2	28428		-2.8	20
1,3-Dibromopropane	A	2.000	2.020	27998.85	28273.5		1.0	20
1,3-Dibromopropane [2C]	A	2.000	1.801	118340.2	106575		-9.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	002F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23513	Injection Date:	08/20/12
Lab Sample ID:	2H23513-CCV1	Injection Time:	11:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5814	19377.4	13026		16.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5719	34082.2	33206		14.4	20
1,3-Dibromopropane	A	2.000	3.061	27998.85	42847.5		53.0	20 *
1,3-Dibromopropane [2C]	A	2.000	2.487	118340.2	147162.5		24.4	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	009F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23513	Injection Date:	08/20/12
Lab Sample ID:	2H23513-CCV2	Injection Time:	13:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4669	19377.4	10764		-6.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.4776	34082.2	27958		-4.5	20
1,3-Dibromopropane	A	2.000	2.334	27998.85	32670.5		16.7	20
1,3-Dibromopropane [2C]	A	2.000	1.884	118340.2	111500		-5.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	002F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23515	Injection Date:	08/21/12
Lab Sample ID:	2H23515-CCV1	Injection Time:	13:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5775	19377.4	12948		15.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.5781	34082.2	33548		15.6	20
1,3-Dibromopropane	A	2.000	2.773	27998.85	38815.5		38.6	20 *
1,3-Dibromopropane [2C]	A	2.000	2.406	118340.2	142363		20.3	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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	014F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23515	Injection Date:	08/21/12
Lab Sample ID:	2H23515-CCV2	Injection Time:	18:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5263	19377.4	11938		5.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5945	34082.2	34464		18.9	20
1,3-Dibromopropane	A	2.000	2.707	27998.85	37901.5		35.4	20 *
1,3-Dibromopropane [2C]	A	2.000	2.304	118340.2	136350.5		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_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	002F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23625	Injection Date:	08/22/12
Lab Sample ID:	2H23625-CCV1	Injection Time:	17:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5757	19377.4	12914		15.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5928	34082.2	34366		18.6	20
1,3-Dibromopropane	A	2.000	2.670	27998.85	37386		33.5	20 *
1,3-Dibromopropane [2C]	A	2.000	2.382	118340.2	140951		19.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	005F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H23625	Injection Date:	08/22/12
Lab Sample ID:	2H23625-CCV2	Injection Time:	18:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5427	19377.4	12262		8.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.5870	34082.2	34044		17.4	20
1,3-Dibromopropane	A	2.000	2.639	27998.85	36950		32.0	20 *
1,3-Dibromopropane [2C]	A	2.000	2.302	118340.2	136214.5		15.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	002F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H24013	Injection Date:	08/23/12
Lab Sample ID:	2H24013-CCV1	Injection Time:	08:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5830	19377.4	13058		16.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.6293	34082.2	36396		25.9	20 *
1,3-Dibromopropane	A	2.000	2.805	27998.85	39270.5		40.3	20 *
1,3-Dibromopropane [2C]	A	2.000	2.478	118340.2	146600		23.9	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2216002
Lab File ID:	004F0101.D	Calibration Date:	08/02/12 15:07
Sequence:	2H24013	Injection Date:	08/23/12
Lab Sample ID:	2H24013-CCV2	Injection Time:	09:32

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5676	19377.4	12754		13.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.6331	34082.2	36610		26.6	20 *
1,3-Dibromopropane	A	2.000	2.744	27998.85	38416.5		37.2	20 *
1,3-Dibromopropane [2C]	A	2.000	2.462	118340.2	145686.5		23.1	20 *

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23303	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23303-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 08/14/12 14:56		
1,3-Dibromopropane	2.000	156	80 - 120	5.74	5.74	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	122	80 - 120	5.656	5.656	0.0000	+/-0.030	*
Blank (2H14003-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 08/14/12 15:17		
1,3-Dibromopropane	2.000	132	30 - 130	5.74	5.74	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	105	30 - 130	5.656	5.656	0.0000	+/-0.030	
LCS (2H14003-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 08/14/12 15:39		
1,3-Dibromopropane	2.000	120	30 - 130	5.743	5.74	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	95.6	30 - 130	5.656	5.656	0.0000	+/-0.030	
LCS Dup (2H14003-BSD1) ug/L				Lab File ID: 005F0101.D		Analyzed: 08/14/12 16:00		
1,3-Dibromopropane	2.000	119	30 - 130	5.743	5.74	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	2.000	96.3	30 - 130	5.656	5.656	0.0000	+/-0.030	
GW0688 (1208055-03) ug/L				Lab File ID: 008F0101.D		Analyzed: 08/14/12 17:04		
1,3-Dibromopropane	1.899	121	30 - 130	5.746	5.74	0.0060	+/-0.030	
1,3-Dibromopropane [2C]	1.899	98.8	30 - 130	5.663	5.656	0.0070	+/-0.030	
GW0689 (1208055-05) ug/L				Lab File ID: 009F0101.D		Analyzed: 08/14/12 17:25		
1,3-Dibromopropane	1.906	114	30 - 130	5.75	5.74	0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.906	92.4	30 - 130	5.663	5.656	0.0070	+/-0.030	
GW0704 (1208055-07) ug/L				Lab File ID: 010F0101.D		Analyzed: 08/14/12 17:46		
1,3-Dibromopropane	1.892	99.6	30 - 130	5.746	5.74	0.0060	+/-0.030	
1,3-Dibromopropane [2C]	1.892	82.4	30 - 130	5.663	5.656	0.0070	+/-0.030	
GW0705 (1208055-09) ug/L				Lab File ID: 011F0101.D		Analyzed: 08/14/12 18:08		
1,3-Dibromopropane	1.877	107	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.877	87.1	30 - 130	5.646	5.656	-0.0100	+/-0.030	
GW0706 (1208055-11) ug/L				Lab File ID: 012F0101.D		Analyzed: 08/14/12 18:29		
1,3-Dibromopropane	1.864	75.7	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.864	60.8	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0734 (1208055-15) ug/L				Lab File ID: 014F0101.D		Analyzed: 08/14/12 19:11		
1,3-Dibromopropane	1.881	119	30 - 130	5.733	5.74	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.881	94.4	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0735 (1208055-17) ug/L				Lab File ID: 015F0101.D		Analyzed: 08/14/12 19:32		
1,3-Dibromopropane	1.890	79.5	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.890	62.8	30 - 130	5.643	5.656	-0.0130	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23303	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23303-CCV2) ug/L				Lab File ID: 016F0101.D		Analyzed: 08/14/12 19:54		
1,3-Dibromopropane	2.000	110	80 - 120	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	2.000	88.2	80 - 120	5.646	5.656	-0.0100	+/-0.030	
GW0736 (1208055-19) ug/L				Lab File ID: 017F0101.D		Analyzed: 08/14/12 20:16		
1,3-Dibromopropane	1.913	76.2	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.913	60.4	30 - 130	5.646	5.656	-0.0100	+/-0.030	
GW0636 (1208065-05) ug/L				Lab File ID: 020F0101.D		Analyzed: 08/14/12 21:19		
1,3-Dibromopropane	1.900	85.5	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.900	71.9	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0642 (1208065-07) ug/L				Lab File ID: 021F0101.D		Analyzed: 08/14/12 21:41		
1,3-Dibromopropane	1.888	98.3	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.888	79.6	30 - 130	5.65	5.656	-0.0060	+/-0.030	
GW0695 (1208065-09) ug/L				Lab File ID: 022F0101.D		Analyzed: 08/14/12 22:02		
1,3-Dibromopropane	1.907	103	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.907	81.6	30 - 130	5.646	5.656	-0.0100	+/-0.030	
GW0696 (1208065-11) ug/L				Lab File ID: 023F0101.D		Analyzed: 08/14/12 22:23		
1,3-Dibromopropane	1.888	74.0	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.888	59.8	30 - 130	5.646	5.656	-0.0100	+/-0.030	
GW0733 (1208065-13) ug/L				Lab File ID: 024F0101.D		Analyzed: 08/14/12 22:45		
1,3-Dibromopropane	1.894	99.1	30 - 130	5.73	5.74	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.894	80.6	30 - 130	5.643	5.656	-0.0130	+/-0.030	
GW0708 (1208078-09) ug/L				Lab File ID: 026F0101.D		Analyzed: 08/14/12 23:27		
1,3-Dibromopropane	1.880	57.5	30 - 130	5.68	5.74	-0.0600	+/-0.030	*
1,3-Dibromopropane [2C]	1.880	50.1	30 - 130	5.6	5.656	-0.0560	+/-0.030	*
Calibration Check (2H23303-CCV3) ug/L				Lab File ID: 027F0101.D		Analyzed: 08/14/12 23:48		
1,3-Dibromopropane	2.000	101	80 - 120	5.71	5.74	-0.0300	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	90.0	80 - 120	5.626	5.656	-0.0300	+/-0.030	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23513	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23513-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 08/20/12 11:19		
1,3-Dibromopropane	2.000	153	80 - 120	5.71	5.71	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	124	80 - 120	5.626	5.626	0.0000	+/-0.030	*
GW0633 (1208065-01RE1) ug/L				Lab File ID: 005F0101.D		Analyzed: 08/20/12 12:23		
1,3-Dibromopropane	1.909	107	30 - 130	5.703	5.71	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.909	84.0	30 - 130	5.623	5.626	-0.0030	+/-0.030	
GW0687 (1208055-01RE1) ug/L				Lab File ID: 006F0101.D		Analyzed: 08/20/12 12:45		
1,3-Dibromopropane	1.914		30 - 130		5.71	-5.7100	+/-0.030	*
1,3-Dibromopropane [2C]	1.914		30 - 130		5.626	-5.6260	+/-0.030	*
GW0634 (1208065-03RE1) ug/L				Lab File ID: 007F0101.D		Analyzed: 08/20/12 13:06		
1,3-Dibromopropane	1.892	111	30 - 130	5.726	5.71	0.0160	+/-0.030	
1,3-Dibromopropane [2C]	1.892	86.0	30 - 130	5.643	5.626	0.0170	+/-0.030	
Calibration Check (2H23513-CCV2) ug/L				Lab File ID: 009F0101.D		Analyzed: 08/20/12 13:49		
1,3-Dibromopropane	2.000	117	80 - 120	5.71	5.71	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	2.000	94.2	80 - 120	5.626	5.626	0.0000	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23515	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23515-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 08/21/12 13:59		
1,3-Dibromopropane	2.000	139	80 - 120	5.73	5.73	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	120	80 - 120	5.643	5.643	0.0000	+/-0.030	
Blank (2H21929-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 08/21/12 14:20		
1,3-Dibromopropane	2.000	138	30 - 130	5.74	5.73	0.0100	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	121	30 - 130	5.653	5.643	0.0100	+/-0.030	
LCS (2H21929-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 08/21/12 14:42		
1,3-Dibromopropane	2.000	142	30 - 130	5.746	5.73	0.0160	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	124	30 - 130	5.66	5.643	0.0170	+/-0.030	
GW0632 (1208078-01) ug/L				Lab File ID: 005R0101.D		Analyzed: 08/21/12 15:03		
1,3-Dibromopropane	1.868		30 - 130		5.73	-5.7300	+/-0.030	*
1,3-Dibromopropane [2C]	1.868		30 - 130		5.643	-5.6430	+/-0.030	*
GW0637 (1208078-03) ug/L				Lab File ID: 006R0101.D		Analyzed: 08/21/12 15:25		
1,3-Dibromopropane	1.892		30 - 130		5.73	-5.7300	+/-0.030	*
1,3-Dibromopropane [2C]	1.892		30 - 130		5.643	-5.6430	+/-0.030	*
GW0707 (1208055-13RE1) ug/L				Lab File ID: 010F0101.D		Analyzed: 08/21/12 16:50		
1,3-Dibromopropane	1.893		30 - 130		5.73	-5.7300	+/-0.030	*
1,3-Dibromopropane [2C]	1.893		30 - 130		5.643	-5.6430	+/-0.030	*
Calibration Check (2H23515-CCV2) ug/L				Lab File ID: 014F0101.D		Analyzed: 08/21/12 18:15		
1,3-Dibromopropane	2.000	135	80 - 120	5.766	5.73	0.0360	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	115	80 - 120	5.683	5.643	0.0400	+/-0.030	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23625	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H23625-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 08/22/12 17:24		
1,3-Dibromopropane	2.000	134	80 - 120	5.716	5.716	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	119	80 - 120	5.633	5.633	0.0000	+/-0.030	
GW0694 (1208078-07RE1) ug/L				Lab File ID: 004F0101.D		Analyzed: 08/22/12 18:06		
1,3-Dibromopropane	1.854		30 - 130		5.716	-5.7160	+/-0.030	*
1,3-Dibromopropane [2C]	1.854		30 - 130		5.633	-5.6330	+/-0.030	*
Calibration Check (2H23625-CCV2) ug/L				Lab File ID: 005F0101.D		Analyzed: 08/22/12 18:27		
1,3-Dibromopropane	2.000	132	80 - 120	5.716	5.716	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	115	80 - 120	5.636	5.633	0.0030	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24013	Instrument:	GL-ECD2
		Calibration:	2216002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2H24013-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 08/23/12 08:49		
1,3-Dibromopropane	2.000	140	80 - 120	5.72	5.72	0.0000	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	124	80 - 120	5.636	5.636	0.0000	+/-0.030	*
GW0641 (1208078-05RE1) ug/L				Lab File ID: 003F0101.D		Analyzed: 08/23/12 09:10		
1,3-Dibromopropane	1.897		30 - 130		5.72	-5.7200	+/-0.030	*
1,3-Dibromopropane [2C]	1.897		30 - 130		5.636	-5.6360	+/-0.030	*
Calibration Check (2H24013-CCV2) ug/L				Lab File ID: 004F0101.D		Analyzed: 08/23/12 09:32		
1,3-Dibromopropane	2.000	137	80 - 120	5.713	5.72	-0.0070	+/-0.030	*
1,3-Dibromopropane [2C]	2.000	123	80 - 120	5.63	5.636	-0.0060	+/-0.030	*

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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
GW0687	08/06/12 16:08	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/20/12 12:45	13.82	14.00	
GW0688	08/06/12 13:29	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 17:04	8.11	14.00	
GW0689	08/06/12 11:11	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 17:25	8.22	14.00	
GW0704	08/06/12 13:25	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 17:46	8.14	14.00	
GW0705	08/06/12 11:25	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 18:08	8.24	14.00	
GW0706	08/06/12 15:25	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 18:29	8.09	14.00	
GW0707	08/07/12 10:46	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/21/12 16:50	14.21	14.00	
GW0734	08/07/12 12:55	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 19:11	7.22	14.00	
GW0735	08/07/12 10:27	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 19:32	7.34	14.00	
GW0736	08/07/12 10:27	08/08/12 08:15	08/14/12 07:50	N/A	14.00	08/14/12 20:16	7.37	14.00	
GW0633	08/08/12 14:58	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/20/12 12:23	11.85	14.00	
GW0634	08/08/12 14:58	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/20/12 13:06	11.88	14.00	
GW0636	08/08/12 10:54	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/14/12 21:19	6.39	14.00	
GW0642	08/07/12 15:19	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/14/12 21:41	7.22	14.00	
GW0695	08/08/12 13:56	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/14/12 22:02	6.30	14.00	
GW0696	08/08/12 11:32	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/14/12 22:23	6.41	14.00	
GW0733	08/07/12 15:05	08/09/12 08:20	08/14/12 07:50	N/A	14.00	08/14/12 22:45	7.28	14.00	
GW0632	08/09/12 14:47	08/10/12 08:20	08/21/12 12:09	N/A	14.00	08/21/12 15:03	11.97	14.00	
GW0637	08/09/12 14:01	08/10/12 08:20	08/21/12 12:09	N/A	14.00	08/21/12 15:25	12.02	14.00	
GW0641	08/09/12 10:48	08/10/12 08:20	08/21/12 12:09	N/A	14.00	08/23/12 09:10	13.89	14.00	
GW0694	08/08/12 16:48	08/10/12 08:20	08/14/12 07:50	N/A	14.00	08/22/12 18:06	14.01	14.00	
GW0708	08/09/12 11:02	08/10/12 08:20	08/14/12 07:50	N/A	14.00	08/14/12 23:27	5.48	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14003-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	08/14/12 15:39
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H14003	Sequence:	2H23303	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5556	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.393	120	30 - 130	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14003-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/14/12 15:39
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H14003	Sequence:	2H23303	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5491	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	1.913	95.6	30 - 130	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14003-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	08/14/12 16:00
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H14003	Sequence:	2H23303	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5412	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.386	119	30 - 130	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H14003-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	08/14/12 16:00
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H14003	Sequence:	2H23303	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5235	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	1.926	96.3	30 - 130	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H21929-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	08/21/12 14:42
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H21929	Sequence:	2H23515	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5779	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	2.000	2.838	142	30 - 130	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2H21929-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/21/12 14:42
Solids:		Preparation:	EDB	Dilution:	

Batch:	2H21929	Sequence:	2H23515	Calibration:	2216002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.6413	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	2.000	2.486	124	30 - 130	X

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0687

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208055-01RE1

Date(s) Analyzed: 08/20/2012 08/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	185	
	2	2.28	2.24	2.30	185	0

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0704

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208055-07

Date(s) Analyzed: 08/14/2012 08/14/2012

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	2.43	2.38	2.44	0.0718	
	2	2.30	2.24	2.30	0.0553	26

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0706

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208055-11

Date(s) Analyzed: 08/14/2012 08/14/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0679	
	2	2.28	2.24	2.30	0.0385	55

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0707

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208055-13RE1

Date(s) Analyzed: 08/21/2012 08/21/2012

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	2.44	2.38	2.44	297	
	2	2.31	2.24	2.30	315	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0633

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208065-01RE1

Date(s) Analyzed: 08/20/2012 08/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.40	2.38	2.44	1.47	
	2	2.27	2.24	2.30	1.33	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0634

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208065-03RE1

Date(s) Analyzed: 08/20/2012 08/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	1.44	
	2	2.28	2.24	2.30	1.42	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0636

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208065-05

Date(s) Analyzed: 08/14/2012 08/14/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0430	
	2	2.28	2.24	2.30	0.0261	49

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0642

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208065-07

Date(s) Analyzed: 08/14/2012 08/14/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0746	
	2	2.28	2.24	2.30	0.0689	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0695

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208065-09 Date(s) Analyzed: 08/14/2012 08/14/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.137	
	2	2.28	2.24	2.30	0.138	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0694

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208078-07RE1

Date(s) Analyzed: 08/22/2012 08/22/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	54.9	
	2	2.28	2.24	2.30	54.9	0

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H14003-BS1 Date(s) Analyzed: 08/14/2012 08/14/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.5556	
	2	2.29	2.24	2.30	0.5491	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H14003-BSD1 Date(s) Analyzed: 08/14/2012 08/14/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.5412	
	2	2.29	2.24	2.30	0.5235	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0632

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208078-01 Date(s) Analyzed: 08/21/2012 08/21/2012

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	2.43	2.38	2.44	15.8	
	2	2.29	2.24	2.30	15.7	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0637

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208078-03 Date(s) Analyzed: 08/21/2012 08/21/2012

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	2.43	2.38	2.44	13.0	
	2	2.30	2.24	2.30	11.3	14

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0641

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1208078-05RE1

Date(s) Analyzed: 08/23/2012 08/23/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	258	
	2	2.28	2.24	2.30	276	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2H21929-BS1 Date(s) Analyzed: 08/21/2012 08/21/2012

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	2.43	2.38	2.44	0.5779	
	2	2.30	2.24	2.30	0.6413	10

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01
Sampled:	08/06/12 16:08	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	83400	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:14
7439-95-4	Magnesium	13500	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:14
7440-09-7	Potassium	3690	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:14
7440-23-5	Sodium	33400	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:14

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-02
Sampled:	08/06/12 16:08	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	1460	30.0	60.0	100	1		SW6010B	2H14008	08/16/12 18:20
7439-96-5	Manganese (dissolved)	2130	3.00	6.00	15.0	1	X	SW6010B	2H14008	08/16/12 18:20

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03
Sampled:	08/06/12 13:29	Received:	08/08/12 08:15
% 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	2H08014	08/13/12 20:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:32
7439-95-4	Magnesium	6820	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:32
7440-09-7	Potassium	2680	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:32
7440-23-5	Sodium	26000	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:32

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-04
Sampled:	08/06/12 13:29	Received:	08/08/12 08:15
% 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	2H14008	08/16/12 18:25
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	X U	SW6010B	2H14008	08/16/12 18:25

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05
Sampled:	08/06/12 11:11	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	31800	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:36
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:36
7439-95-4	Magnesium	4600	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:36
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:36
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:36

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-06
Sampled:	08/06/12 11:11	Received:	08/08/12 08:15
% 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	2H14008	08/16/12 18:29
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	X U	SW6010B	2H14008	08/16/12 18:29

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07
Sampled:	08/06/12 13:25	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	57500	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:40
7439-95-4	Magnesium	8210	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:40
7440-09-7	Potassium	3000	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:40
7440-23-5	Sodium	27800	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:40

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-08
Sampled:	08/06/12 13:25	Received:	08/08/12 08:15
% 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	2H14008	08/16/12 18:34
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	X U	SW6010B	2H14008	08/16/12 18:34

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09
Sampled:	08/06/12 11:25	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33500	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:45
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:45
7439-95-4	Magnesium	4740	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:45
7440-09-7	Potassium	2300	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:45
7440-23-5	Sodium	22900	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:45

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-10
Sampled:	08/06/12 11:25	Received:	08/08/12 08:15
% 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	2H14008	08/16/12 18:38
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	X U	SW6010B	2H14008	08/16/12 18:38

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11
Sampled:	08/06/12 15:25	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49000	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:49
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:49
7439-95-4	Magnesium	7200	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:49
7440-09-7	Potassium	2830	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:49
7440-23-5	Sodium	25900	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:49

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-12
Sampled:	08/06/12 15:25	Received:	08/08/12 08:15
% 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	2H14011	08/16/12 20:01
7439-96-5	Manganese (dissolved)	14.4	3.00	6.00	15.0	1	X J	SW6010B	2H14011	08/16/12 20:01

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13
Sampled:	08/07/12 10:46	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	149000	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:54
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:54
7439-95-4	Magnesium	24800	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:54
7440-09-7	Potassium	4260	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:54
7440-23-5	Sodium	53200	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:54

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-14
Sampled:	08/07/12 10:46	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	3220	30.0	60.0	100	1		SW6010B	2H14011	08/16/12 20:06
7439-96-5	Manganese (dissolved)	3380	3.00	6.00	15.0	1	X	SW6010B	2H14011	08/16/12 20:06

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15
Sampled:	08/07/12 12:55	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46700	1000	2000	5000	1		SW6010B	2H08014	08/13/12 20:58
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 20:58
7439-95-4	Magnesium	7030	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:58
7440-09-7	Potassium	2720	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 20:58
7440-23-5	Sodium	23700	1000	3000	5000	1		SW6010B	2H08014	08/13/12 20:58

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-16
Sampled:	08/07/12 12:55	Received:	08/08/12 08:15
% 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	2H14011	08/16/12 20:10
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	X U	SW6010B	2H14011	08/16/12 20:10

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17
Sampled:	08/07/12 10:27	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38400	1000	2000	5000	1		SW6010B	2H08014	08/13/12 21:03
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 21:03
7439-95-4	Magnesium	5770	1000	3000	5000	1		SW6010B	2H08014	08/13/12 21:03
7440-09-7	Potassium	2540	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 21:03
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2H08014	08/13/12 21:03

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-18
Sampled:	08/07/12 10:27	Received:	08/08/12 08:15
% 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	2H14011	08/16/12 20:15
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	X U	SW6010B	2H14011	08/16/12 20:15

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19
Sampled:	08/07/12 10:27	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39800	1000	2000	5000	1		SW6010B	2H08014	08/13/12 21:07
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 21:07
7439-95-4	Magnesium	5960	1000	3000	5000	1		SW6010B	2H08014	08/13/12 21:07
7440-09-7	Potassium	2600	1000	3000	5000	1	J	SW6010B	2H08014	08/13/12 21:07
7440-23-5	Sodium	22700	1000	3000	5000	1		SW6010B	2H08014	08/13/12 21:07

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-20
Sampled:	08/07/12 10:27	Received:	08/08/12 08:15
% 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	2H14011	08/16/12 20:32
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H14011	08/16/12 20:32

ANALYSIS DATA SHEET

GW8056-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-21
Sampled:	08/07/12 08:20	Received:	08/08/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium		1000	2000	5000	1	U	SW6010B	2H08014	08/13/12 21:12
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H08014	08/13/12 21:12
7439-95-4	Magnesium		1000	3000	5000	1	U	SW6010B	2H08014	08/13/12 21:12
7440-09-7	Potassium		1000	3000	5000	1	U	SW6010B	2H08014	08/13/12 21:12
7440-23-5	Sodium		1000	3000	5000	1	U	SW6010B	2H08014	08/13/12 21:12

ANALYSIS DATA SHEET

GW8056-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-22
Sampled:	08/07/12 08:20	Received:	08/08/12 08:15
% 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	2H14011	08/16/12 20:37
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H14011	08/16/12 20:37

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01
Sampled:	08/08/12 14:58	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51200	1000	2000	5000	1		SW6010B	2H14006	08/16/12 15:26
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 15:26
7439-95-4	Magnesium	7340	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:26
7440-09-7	Potassium	2560	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 15:26
7440-23-5	Sodium	27600	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:26

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-02
Sampled:	08/08/12 14:58	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	137	30.0	60.0	100	1		SW6010B	2H14011	08/16/12 20:41
7439-96-5	Manganese (dissolved)	384	3.00	6.00	15.0	1		SW6010B	2H14011	08/16/12 20:41

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03
Sampled:	08/08/12 14:58	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51600	1000	2000	5000	1		SW6010B	2H14006	08/16/12 15:31
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 15:31
7439-95-4	Magnesium	7380	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:31
7440-09-7	Potassium	2590	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 15:31
7440-23-5	Sodium	27800	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:31

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-04
Sampled:	08/08/12 14:58	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	139	30.0	60.0	100	1		SW6010B	2H14011	08/16/12 20:46
7439-96-5	Manganese (dissolved)	382	3.00	6.00	15.0	1		SW6010B	2H14011	08/16/12 20:46

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05
Sampled:	08/08/12 10:54	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43300	1000	2000	5000	1		SW6010B	2H14006	08/16/12 15:36
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 15:36
7439-95-4	Magnesium	5800	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:36
7440-09-7	Potassium	2440	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 15:36
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:36

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-06
Sampled:	08/08/12 10:54	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	38.1	30.0	60.0	100	1	J	SW6010B	2H14011	08/16/12 20:50
7439-96-5	Manganese (dissolved)	348	3.00	6.00	15.0	1		SW6010B	2H14011	08/16/12 20:50

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07
Sampled:	08/07/12 15:19	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44500	1000	2000	5000	1		SW6010B	2H14006	08/16/12 15:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 15:40
7439-95-4	Magnesium	5410	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:40
7440-09-7	Potassium	2260	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 15:40
7440-23-5	Sodium	21300	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:40

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-08
Sampled:	08/07/12 15:19	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2H14011	08/16/12 20:55
7439-96-5	Manganese (dissolved)	3.43	3.00	6.00	15.0	1	J	SW6010B	2H14011	08/16/12 20:55

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09
Sampled:	08/08/12 13:56	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50000	1000	2000	5000	1		SW6010B	2H14006	08/16/12 15:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 15:57
7439-95-4	Magnesium	7600	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:57
7440-09-7	Potassium	2520	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 15:57
7440-23-5	Sodium	30100	1000	3000	5000	1		SW6010B	2H14006	08/16/12 15:57

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-10
Sampled:	08/08/12 13:56	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	948	30.0	60.0	100	1		SW6010B	2H14011	08/16/12 20:59
7439-96-5	Manganese (dissolved)	1260	3.00	6.00	15.0	1		SW6010B	2H14011	08/16/12 20:59

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11
Sampled:	08/08/12 11:32	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37700	1000	2000	5000	1		SW6010B	2H14006	08/16/12 16:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 16:02
7439-95-4	Magnesium	4870	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 16:02
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 16:02
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	2H14006	08/16/12 16:02

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-12
Sampled:	08/08/12 11:32	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2H14011	08/16/12 21:04
7439-96-5	Manganese (dissolved)	18.6	3.00	6.00	15.0	1		SW6010B	2H14011	08/16/12 21:04

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13
Sampled:	08/07/12 15:05	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	67300	1000	2000	5000	1		SW6010B	2H14006	08/16/12 16:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H14006	08/16/12 16:06
7439-95-4	Magnesium	9620	1000	3000	5000	1		SW6010B	2H14006	08/16/12 16:06
7440-09-7	Potassium	3150	1000	3000	5000	1	J	SW6010B	2H14006	08/16/12 16:06
7440-23-5	Sodium	29300	1000	3000	5000	1		SW6010B	2H14006	08/16/12 16:06

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-14
Sampled:	08/07/12 15:05	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2H14011	08/16/12 21:08
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H14011	08/16/12 21:08

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-15
Sampled:	08/08/12 08:20	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium		1000	2000	5000	1	U	SW6010B	2H15015	08/22/12 15:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H15015	08/22/12 15:14
7439-95-4	Magnesium		1000	3000	5000	1	U	SW6010B	2H15015	08/22/12 15:14
7440-09-7	Potassium		1000	3000	5000	1	U	SW6010B	2H15015	08/22/12 15:14
7440-23-5	Sodium		1000	3000	5000	1	U	SW6010B	2H15015	08/22/12 15:14

ANALYSIS DATA SHEET

GW8057-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-16
Sampled:	08/08/12 08:20	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2H14011	08/16/12 21:12
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H14011	08/16/12 21:12

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01
Sampled:	08/09/12 14:47	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44800	1000	2000	5000	1		SW6010B	2H15015	08/22/12 15:19
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H15015	08/22/12 15:19
7439-95-4	Magnesium	7360	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:19
7440-09-7	Potassium	2470	1000	3000	5000	1	J	SW6010B	2H15015	08/22/12 15:19
7440-23-5	Sodium	27500	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:19

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-02
Sampled:	08/09/12 14:47	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	1240	30.0	60.0	100	1		SW6010B	2H27018	08/28/12 13:46
7439-96-5	Manganese (dissolved)	1620	3.00	6.00	15.0	1		SW6010B	2H27018	08/28/12 13:46

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03
Sampled:	08/09/12 14:01	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	172000	1000	2000	5000	1		SW6010B	2H15015	08/22/12 15:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H15015	08/22/12 15:23
7439-95-4	Magnesium	26400	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:23
7440-09-7	Potassium	4510	1000	3000	5000	1	J	SW6010B	2H15015	08/22/12 15:23
7440-23-5	Sodium	46600	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:23

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-04
Sampled:	08/09/12 14:01	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	7610	30.0	60.0	100	1		SW6010B	2H27018	08/28/12 13:51
7439-96-5	Manganese (dissolved)	6870	3.00	6.00	15.0	1		SW6010B	2H27018	08/28/12 13:51

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05
Sampled:	08/09/12 10:48	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	67800	1000	2000	5000	1		SW6010B	2H15015	08/22/12 15:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H15015	08/22/12 15:28
7439-95-4	Magnesium	9190	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:28
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2H15015	08/22/12 15:28
7440-23-5	Sodium	30400	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:28

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-06
Sampled:	08/09/12 10:48	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	287	30.0	60.0	100	1		SW6010B	2H27018	08/28/12 13:56
7439-96-5	Manganese (dissolved)	1140	3.00	6.00	15.0	1		SW6010B	2H27018	08/28/12 13:56

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07
Sampled:	08/08/12 16:48	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	105000	1000	2000	5000	1		SW6010B	2H15015	08/22/12 15:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H15015	08/22/12 15:33
7439-95-4	Magnesium	14500	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:33
7440-09-7	Potassium	3330	1000	3000	5000	1	J	SW6010B	2H15015	08/22/12 15:33
7440-23-5	Sodium	37300	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:33

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-08
Sampled:	08/08/12 16:48	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	2390	30.0	60.0	100	1		SW6010B	2H27018	08/28/12 14:00
7439-96-5	Manganese (dissolved)	2460	3.00	6.00	15.0	1		SW6010B	2H27018	08/28/12 14:00

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09
Sampled:	08/09/12 11:02	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33400	1000	2000	5000	1		SW6010B	2H15015	08/22/12 15:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2H15015	08/22/12 15:37
7439-95-4	Magnesium	4460	1000	3000	5000	1	J	SW6010B	2H15015	08/22/12 15:37
7440-09-7	Potassium	1950	1000	3000	5000	1	J	SW6010B	2H15015	08/22/12 15:37
7440-23-5	Sodium	20700	1000	3000	5000	1		SW6010B	2H15015	08/22/12 15:37

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-10
Sampled:	08/09/12 11:02	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2H27018	08/28/12 14:05
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2H27018	08/28/12 14:05

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2228001
Sequence: 2H22712

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22712-ICV1	Calcium	50000	52800	106	ug/L	+/- 10.00%
	Lead	1000	964.8	96.5	ug/L	+/- 10.00%
	Magnesium	50000	53640	107	ug/L	+/- 10.00%
	Potassium	10000	10140	101	ug/L	+/- 10.00%
	Sodium	50000	52890	106	ug/L	+/- 10.00%
2H22712-CCV1	Calcium	50000	53400	107	ug/L	+/- 10.00%
	Lead	1000	979.3	97.9	ug/L	+/- 10.00%
	Magnesium	50000	55140	110	ug/L	+/- 10.00%
	Potassium	10000	10430	104	ug/L	+/- 10.00%
	Sodium	50000	53560	107	ug/L	+/- 10.00%
2H22712-CCV7	Calcium	50000	49420	98.8	ug/L	+/- 10.00%
	Lead	1000	988.7	98.9	ug/L	+/- 10.00%
	Magnesium	50000	49000	98.0	ug/L	+/- 10.00%
	Potassium	10000	9912	99.1	ug/L	+/- 10.00%
	Sodium	50000	49430	98.9	ug/L	+/- 10.00%
2H22712-CCV8	Calcium	50000	51140	102	ug/L	+/- 10.00%
	Lead	1000	987.3	98.7	ug/L	+/- 10.00%
	Magnesium	50000	51620	103	ug/L	+/- 10.00%
	Potassium	10000	10400	104	ug/L	+/- 10.00%
	Sodium	50000	51080	102	ug/L	+/- 10.00%
2H22712-CCV9	Calcium	50000	50360	101	ug/L	+/- 10.00%
	Lead	1000	980.6	98.1	ug/L	+/- 10.00%
	Magnesium	50000	50260	101	ug/L	+/- 10.00%
	Potassium	10000	10010	100	ug/L	+/- 10.00%
	Sodium	50000	50750	101	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2234004
Sequence: 2H22909

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22909-ICV1	Calcium	50000	52700	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10180	102	ug/L	+/- 10.00%
	Lead	1000	951.5	95.1	ug/L	+/- 10.00%
	Magnesium	50000	50800	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1027	103	ug/L	+/- 10.00%
	Potassium	10000	10070	101	ug/L	+/- 10.00%
	Sodium	50000	50900	102	ug/L	+/- 10.00%
2H22909-CCV1	Calcium	50000	50910	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10290	103	ug/L	+/- 10.00%
	Lead	1000	975.6	97.6	ug/L	+/- 10.00%
	Magnesium	50000	50710	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1006	101	ug/L	+/- 10.00%
	Potassium	10000	10200	102	ug/L	+/- 10.00%
	Sodium	50000	52390	105	ug/L	+/- 10.00%
2H22909-CCV2	Calcium	50000	49130	98.3	ug/L	+/- 10.00%
	Lead	1000	988.2	98.8	ug/L	+/- 10.00%
	Magnesium	50000	49130	98.3	ug/L	+/- 10.00%
	Potassium	10000	10370	104	ug/L	+/- 10.00%
	Sodium	50000	51380	103	ug/L	+/- 10.00%
2H22909-CCV3	Calcium	50000	51700	103	ug/L	+/- 10.00%
	Lead	1000	980.3	98.0	ug/L	+/- 10.00%
	Magnesium	50000	49630	99.3	ug/L	+/- 10.00%
	Potassium	10000	10530	105	ug/L	+/- 10.00%
	Sodium	50000	52880	106	ug/L	+/- 10.00%
2H22909-CCV4	Calcium	50000	52320	105	ug/L	+/- 10.00%
	Lead	1000	970.4	97.0	ug/L	+/- 10.00%
	Magnesium	50000	50230	100	ug/L	+/- 10.00%
	Potassium	10000	10470	105	ug/L	+/- 10.00%
	Sodium	50000	52500	105	ug/L	+/- 10.00%
2H22909-CCV5	Calcium	50000	52260	105	ug/L	+/- 10.00%
	Lead	1000	973.9	97.4	ug/L	+/- 10.00%
	Magnesium	50000	49850	99.7	ug/L	+/- 10.00%
	Potassium	10000	10520	105	ug/L	+/- 10.00%
	Sodium	50000	52560	105	ug/L	+/- 10.00%
2H22909-CCV6	Calcium	50000	52550	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10480	105	ug/L	+/- 10.00%
	Lead	1000	975.1	97.5	ug/L	+/- 10.00%
	Magnesium	50000	49620	99.2	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_060
Project: Kirtland AFB 2011
Calibration: 2234004
Sequence: 2H22909

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H22909-CCV6	Manganese (dissolved)	1000	1078	108	ug/L	+/- 10.00%
	Potassium	10000	10540	105	ug/L	+/- 10.00%
	Sodium	50000	52540	105	ug/L	+/- 10.00%
2H22909-CCV7	Iron (dissolved)	10000	10750	108	ug/L	+/- 10.00%
	Manganese (dissolved)	**1000**	**1117**	**112**	**ug/L**	+/- 10.00%
2H22909-CCV8	Iron (dissolved)	10000	10610	106	ug/L	+/- 10.00%
	Manganese (dissolved)	**1000**	**1108**	**111**	**ug/L**	+/- 10.00%
2H22909-CCV9	Iron (dissolved)	10000	10320	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1068	107	ug/L	+/- 10.00%
2H22909-CCVA	Iron (dissolved)	10000	10320	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1064	106	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2235004
Sequence: 2H23510

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H23510-ICV1	Calcium	50000	51680	103	ug/L	+/- 10.00%
	Lead	1000	953.6	95.4	ug/L	+/- 10.00%
	Magnesium	50000	48380	96.8	ug/L	+/- 10.00%
	Potassium	10000	9926	99.3	ug/L	+/- 10.00%
	Sodium	50000	50970	102	ug/L	+/- 10.00%
2H23510-CCV1	Calcium	50000	51070	102	ug/L	+/- 10.00%
	Lead	1000	949.2	94.9	ug/L	+/- 10.00%
	Magnesium	50000	48320	96.6	ug/L	+/- 10.00%
	Potassium	10000	9899	99.0	ug/L	+/- 10.00%
	Sodium	50000	50510	101	ug/L	+/- 10.00%
2H23510-CCV4	Calcium	50000	50330	101	ug/L	+/- 10.00%
	Lead	1000	934.3	93.4	ug/L	+/- 10.00%
	Magnesium	50000	46300	92.6	ug/L	+/- 10.00%
	Potassium	10000	9611	96.1	ug/L	+/- 10.00%
	Sodium	50000	49990	100	ug/L	+/- 10.00%
2H23510-CCV5	Calcium	50000	49000	98.0	ug/L	+/- 10.00%
	Lead	1000	938.1	93.8	ug/L	+/- 10.00%
	Magnesium	50000	47560	95.1	ug/L	+/- 10.00%
	Potassium	10000	9595	96.0	ug/L	+/- 10.00%
	Sodium	50000	49170	98.3	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_060
Project: Kirtland AFB 2011
Calibration: 2241002
Sequence: 2H24103

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H24103-ICV1	Iron (dissolved)	10000	10750	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1067	107	ug/L	+/- 10.00%
2H24103-CCV1	Iron (dissolved)	10000	10590	106	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1044	104	ug/L	+/- 10.00%
2H24103-CCV8	Iron (dissolved)	10000	10280	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	999.7	100	ug/L	+/- 10.00%
2H24103-CCV9	Iron (dissolved)	10000	10280	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1014	101	ug/L	+/- 10.00%
2H24103-CCVE	Iron (dissolved)	10000	10460	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1032	103	ug/L	+/- 10.00%
2H24103-CCVF	Iron (dissolved)	10000	10360	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1013	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2228001

Sequence: 2H22712

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H22712-CRL1	Calcium	2000	2158	108	ug/L	80 - 120
	Lead	3.000	3.332	111	ug/L	80 - 120
	Magnesium	3000	3380	113	ug/L	80 - 120
	Potassium	3000	3102	103	ug/L	80 - 120
	Sodium	3000	3220	107	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2234004

Sequence: 2H22909

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H22909-CRL1	Calcium	2000	2085	104	ug/L	80 - 120
	Iron (dissolved)	60.00	64.87	108	ug/L	80 - 120
	Lead	3.000	3.221	107	ug/L	80 - 120
	Magnesium	3000	3109	104	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.330	105	ug/L	80 - 120
	Potassium	3000	3103	103	ug/L	80 - 120
	Sodium	3000	3182	106	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2235004

Sequence: 2H23510

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H23510-CRL1	Calcium	2000	2067	103	ug/L	80 - 120
	Magnesium	3000	3011	100	ug/L	80 - 120
	Potassium	3000	2975	99.2	ug/L	80 - 120
	Sodium	3000	3066	102	ug/L	80 - 120
2H23510-CRL2	Lead	3.000	3.061	102	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2241002

Sequence: 2H24103

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H24103-CRL1	Iron (dissolved)	60.00	68.16	114	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.807	113	ug/L	80 - 120
2H24103-CRL3	Iron (dissolved)	60.00	66.96	112	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.338	106	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H22712
Calibration: 2228001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22712-ICB1	Calcium	-1.970	1000	5000	ug/L	U	SW6010B
	Lead	0.6112	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.840	1000	5000	ug/L	U	SW6010B
	Potassium	5.110	1000	5000	ug/L	U	SW6010B
	Sodium	-2.760	1000	5000	ug/L	U	SW6010B
2H22712-CCB1	Calcium	-3.65	1000	5000	ug/L	U	SW6010B
	Lead	-0.153	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-7.93	1000	5000	ug/L	U	SW6010B
	Potassium	-14.6	1000	5000	ug/L	U	SW6010B
	Sodium	1.64	1000	5000	ug/L	U	SW6010B
2H22712-CCB7	Calcium	5.85	1000	5000	ug/L	U	SW6010B
	Lead	-0.103	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.86	1000	5000	ug/L	U	SW6010B
	Potassium	125	1000	5000	ug/L	U	SW6010B
	Sodium	654	1000	5000	ug/L	U	SW6010B
2H08014-BLK1	Calcium	108	1000	5000	ug/L	U	SW6010B
	Lead	0.820	1.50	3.00	ug/L	U	SW6010B
	Magnesium	89.4	1000	5000	ug/L	U	SW6010B
	Potassium	167	1000	5000	ug/L	U	SW6010B
	Sodium	1360	1000	5000	ug/L	J	SW6010B
2H22712-CCB8	Calcium	4.87	1000	5000	ug/L	U	SW6010B
	Lead	0.361	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.67	1000	5000	ug/L	U	SW6010B
	Potassium	204	1000	5000	ug/L	U	SW6010B
	Sodium	996	1000	5000	ug/L	U	SW6010B
2H22712-CCB9	Calcium	-1.18	1000	5000	ug/L	U	SW6010B
	Lead	-0.136	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-14.2	1000	5000	ug/L	U	SW6010B
	Potassium	113	1000	5000	ug/L	U	SW6010B
	Sodium	396	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H22909
Calibration: 2234004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22909-ICB1	Calcium	-1.450	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.5033	30.0	100	ug/L	U	SW6010B
	Lead	-0.3261	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-12.40	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.07720	3.00	15.0	ug/L	U	SW6010B
	Potassium	-14.27	1000	5000	ug/L	U	SW6010B
	Sodium	-24.25	1000	5000	ug/L	U	SW6010B
2H22909-CCB1	Calcium	-3.71	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.28	30.0	100	ug/L	U	SW6010B
	Lead	1.23	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-14.2	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0136	3.00	15.0	ug/L	U	SW6010B
	Potassium	-3.73	1000	5000	ug/L	U	SW6010B
	Sodium	-4.75	1000	5000	ug/L	U	SW6010B
2H22909-CCB2	Calcium	16.8	1000	5000	ug/L	U	SW6010B
	Lead	0.616	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.7	1000	5000	ug/L	U	SW6010B
	Potassium	67.8	1000	5000	ug/L	U	SW6010B
	Sodium	550	1000	5000	ug/L	U	SW6010B
2H15015-BLK1	Calcium	26.0	1000	5000	ug/L	U	SW6010B
	Lead	0.409	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.04	1000	5000	ug/L	U	SW6010B
	Potassium	21.9	1000	5000	ug/L	U	SW6010B
	Sodium	169	1000	5000	ug/L	U	SW6010B
2H22909-CCB3	Calcium	1.27	1000	5000	ug/L	U	SW6010B
	Lead	0.199	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-15.8	1000	5000	ug/L	U	SW6010B
	Potassium	13.4	1000	5000	ug/L	U	SW6010B
	Sodium	79.8	1000	5000	ug/L	U	SW6010B
2H14006-BLK1	Calcium	349	1000	5000	ug/L	U	SW6010B
	Lead	0.608	1.50	3.00	ug/L	U	SW6010B
	Magnesium	21.8	1000	5000	ug/L	U	SW6010B
	Potassium	0.280	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H22909
Calibration: 2234004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H14006-BLK1	Sodium	97.4	1000	5000	ug/L	U	SW6010B
2H22909-CCB4	Calcium	4.26	1000	5000	ug/L	U	SW6010B
	Lead	0.502	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.40	1000	5000	ug/L	U	SW6010B
	Potassium	-18.1	1000	5000	ug/L	U	SW6010B
	Sodium	68.3	1000	5000	ug/L	U	SW6010B
2H22909-CCB5	Calcium	5.29	1000	5000	ug/L	U	SW6010B
	Lead	0.834	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.25	1000	5000	ug/L	U	SW6010B
	Potassium	-10.3	1000	5000	ug/L	U	SW6010B
	Sodium	55.0	1000	5000	ug/L	U	SW6010B
2H22909-CCB6	Calcium	-3.29	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-2.06	30.0	100	ug/L	U	SW6010B
	Lead	0.247	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-27.7	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.0470	3.00	15.0	ug/L	U	SW6010B
	Potassium	-54.1	1000	5000	ug/L	U	SW6010B
	Sodium	12.7	1000	5000	ug/L	U	SW6010B
2H14008-BLK1	Iron (dissolved)	-3.53	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.0426	3.00	15.0	ug/L	U	SW6010B
2H22909-CCB7	Iron (dissolved)	-5.27	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.00677	3.00	15.0	ug/L	U	SW6010B
2H22909-CCB8	Iron (dissolved)	-0.378	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.164	3.00	15.0	ug/L	U	SW6010B
2H14011-BLK1	Iron (dissolved)	-3.04	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0863	3.00	15.0	ug/L	U	SW6010B
2H22909-CCB9	Iron (dissolved)	0.0376	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0980	3.00	15.0	ug/L	U	SW6010B
2H22909-CCBA	Iron (dissolved)	-0.614	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.00948	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H23510
Calibration: 2235004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23510-ICB1	Calcium	-1.780	1000	5000	ug/L	U	SW6010B
	Lead	0.3451	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.990	1000	5000	ug/L	U	SW6010B
	Potassium	31.79	1000	5000	ug/L	U	SW6010B
	Sodium	13.76	1000	5000	ug/L	U	SW6010B
2H23510-CCB1	Calcium	0.480	1000	5000	ug/L	U	SW6010B
	Lead	-0.242	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.88	1000	5000	ug/L	U	SW6010B
	Potassium	30.3	1000	5000	ug/L	U	SW6010B
	Sodium	16.3	1000	5000	ug/L	U	SW6010B
2H23510-CCB4	Calcium	1.07	1000	5000	ug/L	U	SW6010B
	Lead	0.161	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.71	1000	5000	ug/L	U	SW6010B
	Potassium	-4.71	1000	5000	ug/L	U	SW6010B
	Sodium	18.1	1000	5000	ug/L	U	SW6010B
2H23510-CCB5	Calcium	13.8	1000	5000	ug/L	U	SW6010B
	Lead	0.102	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.9	1000	5000	ug/L	U	SW6010B
	Potassium	0.170	1000	5000	ug/L	U	SW6010B
	Sodium	18.8	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2H24103
Calibration: 2241002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H24103-ICB1	Iron (dissolved)	19.33	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.1023	3.00	15.0	ug/L	U	SW6010B
2H24103-CCB1	Iron (dissolved)	-1.50	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0967	3.00	15.0	ug/L	U	SW6010B
2H24103-CCB8	Iron (dissolved)	6.88	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	2.09	3.00	15.0	ug/L	U	SW6010B
2H24103-CCB9	Iron (dissolved)	0.0867	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.195	3.00	15.0	ug/L	U	SW6010B
2H24103-CCBE	Iron (dissolved)	0.969	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0910	3.00	15.0	ug/L	U	SW6010B
2H27018-BLK1	Iron (dissolved)	-2.03	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0700	3.00	15.0	ug/L	U	SW6010B
2H24103-CCBF	Iron (dissolved)	1.20	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.256	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2228001
Sequence: 2H22712

Lab Sample ID	Analyte	True	Found	%R	Units
2H22712-IFA1	Calcium	500000	517,040.00	103	ug/L
	Lead		1.87		ug/L
	Magnesium	500000	533,560.00	107	ug/L
	Potassium		-27.70		ug/L
	Sodium		45.55		ug/L
2H22712-IFB1	Calcium	500000	521,130.00	104	ug/L
	Lead	50.00	48.21	96.4	ug/L
	Magnesium	500000	534,600.00	107	ug/L
	Potassium		-53.14		ug/L
	Sodium		47.33		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2234004
Sequence: 2H22909

Lab Sample ID	Analyte	True	Found	%R	Units
2H22909-IFA1	Calcium	500000	486,810.00	97.4	ug/L
	Iron (dissolved)	200000	202,850.00	101	ug/L
	Lead		5.76		ug/L
	Magnesium	500000	489,090.00	97.8	ug/L
	Manganese (dissolved)		-4.69		ug/L
	Potassium		-61.39		ug/L
	Sodium		75.87		ug/L
2H22909-IFB1	Calcium	500000	505,640.00	101	ug/L
	Iron (dissolved)	200000	205,000.00	102	ug/L
	Lead	50.00	52.72	105	ug/L
	Magnesium	500000	498,280.00	99.7	ug/L
	Manganese (dissolved)	500.0	491.72	98.3	ug/L
	Potassium		-35.41		ug/L
	Sodium		59.58		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2235004
Sequence: 2H23510

Lab Sample ID	Analyte	True	Found	%R	Units
2H23510-IFA1	Calcium	500000	486,460.00	97.3	ug/L
	Lead		-0.42		ug/L
	Magnesium	500000	479,040.00	95.8	ug/L
	Potassium		-23.30		ug/L
	Sodium		80.04		ug/L
2H23510-IFB1	Calcium	500000	483,700.00	96.7	ug/L
	Lead	50.00	47.99	96.0	ug/L
	Magnesium	500000	478,130.00	95.6	ug/L
	Potassium		-26.99		ug/L
	Sodium		68.71		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2241002
Sequence: 2H24103

Lab Sample ID	Analyte	True	Found	%R	Units
2H24103-IFA1	Iron (dissolved)	200000	206,880.00	103	ug/L
	Manganese (dissolved)		-4.79		ug/L
2H24103-IFB1	Iron (dissolved)	200000	205,320.00	103	ug/L
	Manganese (dissolved)	500.0	474.84	95.0	ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0705

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H14008

% Solids:

Source Sample Name: **1208055-10**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1072	107		80 - 120
Manganese (dissolved)	500.0	ND	542.0	108		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1071	107	0.0280		20	80 - 120
Manganese (dissolved)	500.0	540.3	108	0.309		20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H08014	Laboratory ID:	2H08014-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	5197	104	80 - 120
Lead	250.0	255.9	102	80 - 120
Magnesium	5000	5186	104	80 - 120
Potassium	5000	5123	102	80 - 120
Sodium	5000	5536	111	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14006	Laboratory ID:	2H14006-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	5540	111	80 - 120
Lead	250.0	240.2	96.1	80 - 120
Magnesium	5000	5106	102	80 - 120
Potassium	5000	5088	102	80 - 120
Sodium	5000	5162	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14008	Laboratory ID:	2H14008-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	1119	112	80 - 120
Manganese (dissolved)	500.0	557.8	112	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H14011	Laboratory ID:	2H14011-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	1108	111	80 - 120
Manganese (dissolved)	500.0	581.4	116	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15015	Laboratory ID:	2H15015-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	5366	107	80 - 120
Lead	250.0	252.6	101	80 - 120
Magnesium	5000	5093	102	80 - 120
Potassium	5000	5392	108	80 - 120
Sodium	5000	5498	110	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H27018	Laboratory ID:	2H27018-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	1078	108	80 - 120
Manganese (dissolved)	500.0	529.2	106	80 - 120

SERIAL DILUTION

SW6010B

GW0705

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2H22909
Preparation: MET_3005A

SDG: Kirtland_060
Project: Kirtland AFB 2011
Laboratory ID: 2H14008-DUP1
Lab Source ID: 1208055-10
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)	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_060

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_060

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_060

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_060

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_060

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_060

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_060

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 12/30/2011

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H08014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/08/12 11:03	50.00	50.00
GW0688	1208055-03	08/08/12 11:03	50.00	50.00
GW0689	1208055-05	08/08/12 11:03	50.00	50.00
GW0704	1208055-07	08/08/12 11:03	50.00	50.00
GW0705	1208055-09	08/08/12 11:03	50.00	50.00
GW0706	1208055-11	08/08/12 11:03	50.00	50.00
GW0707	1208055-13	08/08/12 11:03	50.00	50.00
GW0734	1208055-15	08/08/12 11:03	50.00	50.00
GW0735	1208055-17	08/08/12 11:03	50.00	50.00
GW0736	1208055-19	08/08/12 11:03	50.00	50.00
GW8056-RB	1208055-21	08/08/12 11:03	50.00	50.00
Blank	2H08014-BLK1	08/08/12 11:03	50.00	50.00
LCS	2H08014-BS1	08/08/12 11:03	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0633	1208065-01	08/14/12 08:42	50.00	50.00
GW0634	1208065-03	08/14/12 08:42	50.00	50.00
GW0636	1208065-05	08/14/12 08:42	50.00	50.00
GW0642	1208065-07	08/14/12 08:42	50.00	50.00
GW0695	1208065-09	08/14/12 08:42	50.00	50.00
GW0696	1208065-11	08/14/12 08:42	50.00	50.00
GW0733	1208065-13	08/14/12 08:42	50.00	50.00
Blank	2H14006-BLK1	08/14/12 08:42	50.00	50.00
LCS	2H14006-BS1	08/14/12 08:42	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14008 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-02	08/14/12 08:46	50.00	50.00
GW0688	1208055-04	08/14/12 08:46	50.00	50.00
GW0689	1208055-06	08/14/12 08:46	50.00	50.00
GW0704	1208055-08	08/14/12 08:46	50.00	50.00
GW0705	1208055-10	08/14/12 08:46	50.00	50.00
Blank	2H14008-BLK1	08/14/12 08:46	50.00	50.00
LCS	2H14008-BS1	08/14/12 08:46	50.00	50.00
GW0705	2H14008-DUP1	08/14/12 08:46	50.00	50.00
GW0705	2H14008-MS1	08/14/12 08:46	50.00	50.00
GW0705	2H14008-MSD1	08/14/12 08:46	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H14011 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0706	1208055-12	08/14/12 08:49	50.00	50.00
GW0707	1208055-14	08/14/12 08:49	50.00	50.00
GW0734	1208055-16	08/14/12 08:49	50.00	50.00
GW0735	1208055-18	08/14/12 08:49	50.00	50.00
GW0736	1208055-20	08/14/12 08:49	50.00	50.00
GW8056-RB	1208055-22	08/14/12 08:49	50.00	50.00
GW0633	1208065-02	08/14/12 08:49	50.00	50.00
GW0634	1208065-04	08/14/12 08:49	50.00	50.00
GW0636	1208065-06	08/14/12 08:49	50.00	50.00
GW0642	1208065-08	08/14/12 08:49	50.00	50.00
GW0695	1208065-10	08/14/12 08:49	50.00	50.00
GW0696	1208065-12	08/14/12 08:49	50.00	50.00
GW0733	1208065-14	08/14/12 08:49	50.00	50.00
GW8057-RB	1208065-16	08/14/12 08:49	50.00	50.00
Blank	2H14011-BLK1	08/14/12 08:49	50.00	50.00
LCS	2H14011-BS1	08/14/12 08:49	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H15015 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8057-RB	1208065-15	08/15/12 09:48	50.00	50.00
GW0632	1208078-01	08/15/12 09:48	50.00	50.00
GW0637	1208078-03	08/15/12 09:48	50.00	50.00
GW0641	1208078-05	08/15/12 09:48	50.00	50.00
GW0694	1208078-07	08/15/12 09:48	50.00	50.00
GW0708	1208078-09	08/15/12 09:48	50.00	50.00
Blank	2H15015-BLK1	08/15/12 09:48	50.00	50.00
LCS	2H15015-BS1	08/15/12 09:48	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H27018 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-02	08/27/12 13:18	50.00	50.00
GW0637	1208078-04	08/27/12 13:18	50.00	50.00
GW0641	1208078-06	08/27/12 13:18	50.00	50.00
GW0694	1208078-08	08/27/12 13:18	50.00	50.00
GW0708	1208078-10	08/27/12 13:18	50.00	50.00
Blank	2H27018-BLK1	08/27/12 13:18	50.00	50.00
LCS	2H27018-BS1	08/27/12 13:18	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22712	Instrument:	ME-ICP
Calibration:	2228001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H22712-CAL1	081312A-001	08/13/12 09:31
Cal Standard	2H22712-CAL2	081312A-002	08/13/12 09:35
Cal Standard	2H22712-CAL3	081312A-003	08/13/12 09:39
Cal Standard	2H22712-CAL5	081312A-005	08/13/12 09:48
Cal Standard	2H22712-CAL6	081312A-006	08/13/12 09:53
Cal Standard	2H22712-CAL7	081312A-007	08/13/12 09:59
Cal Standard	2H22712-CAL8	081312A-008	08/13/12 10:03
Initial Cal Check	2H22712-ICV1	081312B-001	08/13/12 10:40
Initial Cal Blank	2H22712-ICB1	081312B-002	08/13/12 10:47
Instrument RL Check	2H22712-CRL1	081312B-003	08/13/12 10:52
Interference Check A	2H22712-IFA1	081312B-007	08/13/12 11:11
Interference Check B	2H22712-IFB1	081312B-008	08/13/12 11:16
Calibration Check	2H22712-CCV1	081312B-010	08/13/12 11:27
Calibration Blank	2H22712-CCB1	081312B-011	08/13/12 11:34
Calibration Check	2H22712-CCV7	081312C-061	08/13/12 18:48
Calibration Blank	2H22712-CCB7	081312C-062	08/13/12 18:56
Blank	2H08014-BLK1	081312C-063	08/13/12 19:00
LCS	2H08014-BS1	081312C-064	08/13/12 19:05
GW0687	1208055-01	081312C-078	08/13/12 20:14
Calibration Check	2H22712-CCV8	081312C-079	08/13/12 20:20
Calibration Blank	2H22712-CCB8	081312C-080	08/13/12 20:27
GW0688	1208055-03	081312C-081	08/13/12 20:32
GW0689	1208055-05	081312C-082	08/13/12 20:36
GW0704	1208055-07	081312C-083	08/13/12 20:40
GW0705	1208055-09	081312C-084	08/13/12 20:45
GW0706	1208055-11	081312C-085	08/13/12 20:49
GW0707	1208055-13	081312C-086	08/13/12 20:54
GW0734	1208055-15	081312C-087	08/13/12 20:58
GW0735	1208055-17	081312C-088	08/13/12 21:03
GW0736	1208055-19	081312C-089	08/13/12 21:07
GW8056-RB	1208055-21	081312C-090	08/13/12 21:12
Calibration Check	2H22712-CCV9	081312C-091	08/13/12 21:17

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22712	Instrument:	ME-ICP
Calibration:	2228001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2H22712-CCB9	081312C-092	08/13/12 21:25

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22909	Instrument:	ME-ICP
Calibration:	2234004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H22909-CAL1	081612A-001	08/16/12 09:32
Cal Standard	2H22909-CAL1	081612A-001	08/16/12 09:32
Cal Standard	2H22909-CAL2	081612A-002	08/16/12 09:36
Cal Standard	2H22909-CAL2	081612A-002	08/16/12 09:36
Cal Standard	2H22909-CAL3	081612A-003	08/16/12 09:40
Cal Standard	2H22909-CAL3	081612A-003	08/16/12 09:40
Cal Standard	2H22909-CAL4	081612A-004	08/16/12 09:45
Cal Standard	2H22909-CAL5	081612A-005	08/16/12 09:49
Cal Standard	2H22909-CAL5	081612A-005	08/16/12 09:49
Cal Standard	2H22909-CAL6	081612A-006	08/16/12 09:54
Cal Standard	2H22909-CAL6	081612A-006	08/16/12 09:54
Cal Standard	2H22909-CAL7	081612A-007	08/16/12 09:59
Cal Standard	2H22909-CAL8	081612A-008	08/16/12 10:03
Initial Cal Check	2H22909-ICV1	081612B-001	08/16/12 10:34
Initial Cal Check	2H22909-ICV1	081612B-001	08/16/12 10:34
Initial Cal Blank	2H22909-ICB1	081612B-002	08/16/12 10:41
Initial Cal Blank	2H22909-ICB1	081612B-002	08/16/12 10:41
Instrument RL Check	2H22909-CRL1	081612B-003	08/16/12 10:46
Instrument RL Check	2H22909-CRL1	081612B-003	08/16/12 10:46
Interference Check A	2H22909-IFA1	081612B-008	08/16/12 11:21
Interference Check A	2H22909-IFA1	081612B-008	08/16/12 11:21
Interference Check B	2H22909-IFB1	081612B-009	08/16/12 11:27
Interference Check B	2H22909-IFB1	081612B-009	08/16/12 11:27
Calibration Check	2H22909-CCV1	081612C-001	08/16/12 11:37
Calibration Check	2H22909-CCV1	081612C-001	08/16/12 11:37
Calibration Blank	2H22909-CCB1	081612C-002	08/16/12 11:44
Calibration Blank	2H22909-CCB1	081612C-002	08/16/12 11:44
Calibration Check	2H22909-CCV2	081612C-015	08/16/12 12:46
Calibration Blank	2H22909-CCB2	081612C-016	08/16/12 12:54
Blank	2H15015-BLK1	081612C-024	08/16/12 13:33
LCS	2H15015-BS1	081612C-025	08/16/12 13:37
Calibration Check	2H22909-CCV3	081612C-028	08/16/12 13:56

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22909	Instrument:	ME-ICP
Calibration:	2234004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2H22909-CCB3	081612C-029	08/16/12 14:03
Blank	2H14006-BLK1	081612C-030	08/16/12 14:09
LCS	2H14006-BS1	081612C-031	08/16/12 14:13
Calibration Check	2H22909-CCV4	081612C-043	08/16/12 15:12
Calibration Blank	2H22909-CCB4	081612C-044	08/16/12 15:19
GW0633	1208065-01	081612D-001	08/16/12 15:26
GW0634	1208065-03	081612D-002	08/16/12 15:31
GW0636	1208065-05	081612D-003	08/16/12 15:36
GW0642	1208065-07	081612D-004	08/16/12 15:40
Calibration Check	2H22909-CCV5	081612D-005	08/16/12 15:45
Calibration Blank	2H22909-CCB5	081612D-006	08/16/12 15:53
GW0695	1208065-09	081612D-007	08/16/12 15:57
GW0696	1208065-11	081612D-008	08/16/12 16:02
GW0733	1208065-13	081612D-009	08/16/12 16:06
Calibration Check	2H22909-CCV6	081612D-016	08/16/12 16:37
Calibration Check	2H22909-CCV6	081612D-016	08/16/12 16:37
Calibration Blank	2H22909-CCB6	081612D-017	08/16/12 16:45
Calibration Blank	2H22909-CCB6	081612D-017	08/16/12 16:45
Blank	2H14008-BLK1	081612D-018	08/16/12 16:49
LCS	2H14008-BS1	081612D-019	08/16/12 16:54
Calibration Check	2H22909-CCV7	081612D-030	08/16/12 17:45
Calibration Blank	2H22909-CCB7	081612D-031	08/16/12 17:53
GW0687	1208055-02	081612D-037	08/16/12 18:20
GW0688	1208055-04	081612D-038	08/16/12 18:25
GW0689	1208055-06	081612D-039	08/16/12 18:29
GW0704	1208055-08	081612D-040	08/16/12 18:34
GW0705	1208055-10	081612D-041	08/16/12 18:38
GW0705	2H14008-MS1	081612D-042	08/16/12 18:42
GW0705	2H14008-MSD1	081612D-043	08/16/12 18:47
GW0705	2H14008-DUP1	081612D-044	08/16/12 18:52
Calibration Check	2H22909-CCV8	081612D-045	08/16/12 18:57
Calibration Blank	2H22909-CCB8	081612D-046	08/16/12 19:05

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H22909	Instrument:	ME-ICP
Calibration:	2234004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2H14011-BLK1	081612D-047	08/16/12 19:09
LCS	2H14011-BS1	081612D-048	08/16/12 19:14
GW0706	1208055-12	081612D-058	08/16/12 20:01
GW0707	1208055-14	081612D-059	08/16/12 20:06
GW0734	1208055-16	081612D-060	08/16/12 20:10
GW0735	1208055-18	081612D-061	08/16/12 20:15
Calibration Check	2H22909-CCV9	081612D-062	08/16/12 20:20
Calibration Blank	2H22909-CCB9	081612D-063	08/16/12 20:28
GW0736	1208055-20	081612D-064	08/16/12 20:32
GW8056-RB	1208055-22	081612D-065	08/16/12 20:37
GW0633	1208065-02	081612D-066	08/16/12 20:41
GW0634	1208065-04	081612D-067	08/16/12 20:46
GW0636	1208065-06	081612D-068	08/16/12 20:50
GW0642	1208065-08	081612D-069	08/16/12 20:55
GW0695	1208065-10	081612D-070	08/16/12 20:59
GW0696	1208065-12	081612D-071	08/16/12 21:04
GW0733	1208065-14	081612D-072	08/16/12 21:08
GW8057-RB	1208065-16	081612D-073	08/16/12 21:12
Calibration Check	2H22909-CCVA	081612D-074	08/16/12 21:18
Calibration Blank	2H22909-CCBA	081612D-075	08/16/12 21:25

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23510	Instrument:	ME-ICP
Calibration:	2235004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H23510-CAL1	082212A-001	08/22/12 09:03
Cal Standard	2H23510-CAL2	082212A-002	08/22/12 09:07
Cal Standard	2H23510-CAL3	082212A-003	08/22/12 09:11
Cal Standard	2H23510-CAL5	082212A-005	08/22/12 09:20
Cal Standard	2H23510-CAL6	082212A-006	08/22/12 09:25
Cal Standard	2H23510-CAL7	082212A-007	08/22/12 09:30
Cal Standard	2H23510-CAL8	082212A-009	08/22/12 09:39
Initial Cal Check	2H23510-ICV1	082212B-001	08/22/12 10:08
Initial Cal Blank	2H23510-ICB1	082212B-002	08/22/12 10:15
Instrument RL Check	2H23510-CRL1	082212B-004	08/22/12 10:25
Instrument RL Check	2H23510-CRL2	082212B-006	08/22/12 10:34
Interference Check A	2H23510-IFA1	082212B-007	08/22/12 10:39
Interference Check B	2H23510-IFB1	082212B-008	08/22/12 10:44
Calibration Check	2H23510-CCV1	082212B-010	08/22/12 10:54
Calibration Blank	2H23510-CCB1	082212B-011	08/22/12 11:02
Calibration Check	2H23510-CCV4	082212C-030	08/22/12 15:02
Calibration Blank	2H23510-CCB4	082212C-031	08/22/12 15:10
GW8057-RB	1208065-15	082212C-032	08/22/12 15:14
GW0632	1208078-01	082212C-033	08/22/12 15:19
GW0637	1208078-03	082212C-034	08/22/12 15:23
GW0641	1208078-05	082212C-035	08/22/12 15:28
GW0694	1208078-07	082212C-036	08/22/12 15:33
GW0708	1208078-09	082212C-037	08/22/12 15:37
Calibration Check	2H23510-CCV5	082212C-038	08/22/12 15:43
Calibration Blank	2H23510-CCB5	082212C-039	08/22/12 15:50

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24103	Instrument:	ME-ICP
Calibration:	2241002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H24103-CAL1	082712A-001	08/27/12 09:35
Cal Standard	2H24103-CAL2	082712A-002	08/27/12 09:39
Cal Standard	2H24103-CAL3	082712A-003	08/27/12 09:43
Cal Standard	2H24103-CAL4	082712A-004	08/27/12 09:49
Cal Standard	2H24103-CAL5	082712A-005	08/27/12 09:53
Cal Standard	2H24103-CAL6	082712A-006	08/27/12 09:58
Initial Cal Check	2H24103-ICV1	082712B-001	08/27/12 10:40
Initial Cal Blank	2H24103-ICB1	082712B-002	08/27/12 10:47
Instrument RL Check	2H24103-CRL1	082712B-004	08/27/12 11:00
Interference Check A	2H24103-IFA1	082712B-006	08/27/12 11:09
Interference Check B	2H24103-IFB1	082712B-007	08/27/12 11:15
Calibration Check	2H24103-CCV1	082712B-009	08/27/12 11:26
Calibration Blank	2H24103-CCB1	082712B-010	08/27/12 11:35
Calibration Check	2H24103-CCV8	082712C-061	08/27/12 20:03
Calibration Blank	2H24103-CCB8	082712C-062	08/27/12 20:10
Instrument RL Check	2H24103-CRL3	082712C-064	08/27/12 20:19
Calibration Check	2H24103-CCV9	082712C-067	08/27/12 20:34
Calibration Blank	2H24103-CCB9	082712C-068	08/27/12 20:41
Calibration Check	2H24103-CCVE	082712E-036	08/28/12 13:23
Calibration Blank	2H24103-CCBE	082712E-037	08/28/12 13:31
Blank	2H27018-BLK1	082712E-038	08/28/12 13:35
LCS	2H27018-BS1	082712E-039	08/28/12 13:40
GW0632	1208078-02	082712E-040	08/28/12 13:46
GW0637	1208078-04	082712E-041	08/28/12 13:51
GW0641	1208078-06	082712E-042	08/28/12 13:56
GW0694	1208078-08	082712E-043	08/28/12 14:00
GW0708	1208078-10	082712E-044	08/28/12 14:05
Calibration Check	2H24103-CCVF	082712E-049	08/28/12 14:29
Calibration Blank	2H24103-CCBF	082712E-050	08/28/12 14:36

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2228001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/13/12 9:31 8/13/12 10:03

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	3.4248E-05	10000	3.3871E-05			500000	3.2566E-05		
Antimony	0	0	100	0.0004502	1000	4.7396E-04					10000	4.7039E-04
Arsenic	0	0	100	0.0002917	1000	3.1233E-04					10000	3.0966E-04
Barium	0	0	50	0.0107036	1000	0.010031	5000	0.0104074				
Beryllium	0	0	100	0.0031995	1000	0.0031689					10000	0.0031665
Boron	0	0	50	0.000027	1000	2.441E-05					5000	2.423E-05
Cadmium	0	0	100	0.019234	1000	0.018944					10000	0.018366
Calcium	0	0	1100	9.213637E-05	50000	8.6818E-05					10000	
Chromium	0	0	100	0.0000716	1000	6.837E-05					10000	7.0011E-05
Cobalt	0	0	100	0.0051594	1000	0.0049958					10000	0.0050968
Copper	0	0	100	0.0001066	1000	9.598E-05					10000	9.7105E-05
Iron	0	0	5100	2.974118E-05	10000	2.837E-05			500000	2.7258E-05	10000	
Lead	0	0	100	0.0013274	1000	0.001275					10000	0.0013055
Magnesium	0	0	5100		50000	3.0068E-06			500000	2.9464E-06	10000	
Manganese	0	0	100	0.0004535	1000	4.3237E-04	10000	4.2744E-04			10000	
Molybdenum	0	0	100	0.0033321	1000	0.003419					10000	0.0034174
Nickel	0	0	100	0.0026282	1000	0.0025752					10000	0.0026002
Potassium	0	0	1000	1.974E-05	10000	2.3666E-05						
Selenium	0	0	100	0.0003868	1000	3.7602E-04					10000	3.6703E-04
Silver	0	0	20	0.000095	500	0.0000879	2000	8.996E-05				
Sodium	0	0	1000		50000	7.390601E-05						
Strontium	0	0	100	0.002405	1000	0.002369					10000	0.002407
Thallium	0	0	100	0.000709	1000	7.1975E-04					10000	7.2998E-04
Tin	0	0	50	0.0013052	1000	0.0013275					5000	1.34482E-03
Titanium	0	0	100	0.0002807	1000	2.8094E-04					10000	2.8321E-04
Vanadium	0	0	100	0.0000691	1000	6.595E-05					10000	6.6625E-05
Zinc	0	0	100	0.0074958	1000	0.007428					10000	0.0074176

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2228001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/13/12 9:31 8/13/12 10:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	8.692199E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.9399E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	2.445E-05										
Selenium												
Silver												
Sodium	100000	7.3267E-05	500000	7.273001E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2228001	Instrument:	ME-ICP	
Matrix:	Water	Calibration Dates:	8/13/12 9:31	8/13/12 10:03

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.517125E-05	66.72812	2.850433	159.8266	0.9999994		0.998	
Antimony	3.486375E-04	66.73416	16.22276	184.8039	0.9999989		0.998	
Arsenic	2.284225E-04	66.78719	8.56859	187.3777	0.9999981		0.998	
Barium	0.0077855	66.76033	1.379663	137.5078	0.9999399		0.998	
Beryllium	2.383725E-03	66.66965	67.19856	198.2797	1		0.998	
Boron	1.891E-05	67.00172	1.773005	83.51885	0.9999997		0.998	
Cadmium	0.014136	66.71551	1.028613	115.7066	0.9999912		0.998	
Calcium	6.646909E-05	66.77124	1.927428	177.094	1		0.998	
Chromium	5.249525E-05	66.71398	7.403048	174.7654	0.9999939		0.998	
Cobalt	0.003813	66.6901	4.12376	176.9814	0.9999956		0.998	
Copper	7.492125E-05	66.96915	1.200375	82.45494	0.9999956		0.998	
Iron	2.134229E-05	66.83629	51.19255	198.3982	0.9999993		0.998	
Lead	9.76975E-04	66.70294	38.10636	196.9468	0.999994		0.998	
Magnesium	2.223275E-06	66.68043	41.07789	198.3746	0.9999944		0.998	
Manganese	3.283275E-04	66.7555	6.52088	182.3635	0.999999		0.998	
Molybdenum	2.542125E-03	66.68578	4.769023	181.7994	0.9999999		0.998	
Nickel	0.0019509	66.6759	52.3059	197.9819	0.999999		0.998	
Potassium	1.6964E-05	67.76416	3.759742	128.667	0.9999979		0.998	
Selenium	2.824625E-04	66.72804	11.25068	181.3898	0.999996		0.998	
Silver	6.8215E-05	66.80988	2.652075	154.7323	0.999956		0.998	
Sodium	5.497575E-05	66.6724	6.991763	180.5397	0.999997		0.998	
Strontium	1.79525E-03	66.67376	4.670075	167.2221	0.9999976		0.998	
Thallium	5.396825E-04	66.68556	7.12324	180.7519	0.9999988		0.998	
Tin	9.9438E-04	66.68661	3.541215	178.6471	0.999994		0.998	
Titanium	2.112125E-04	66.66882	23.95627	194.9873	0.9999995		0.998	
Vanadium	5.041875E-05	66.72075	3.407213	148.1331	0.9999983		0.998	
Zinc	5.58535E-03	66.66956	1.463768	156.1768	1		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2234004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/16/12 9:32 8/16/12 10:03

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.2212E-05	10000	2.1996E-05			500000	2.171E-05		
Antimony	0	0	100	0.0005192	1000	5.4215E-04					10000	0.0005502
Arsenic	0	0	100	0.0002743	1000	2.9155E-04					10000	2.9023E-04
Barium	0	0	50	0.0101404	1000	9.495401E-03	5000	0.0099604				
Beryllium	0	0	100	0.0023103	1000	0.0022817					10000	0.00216
Boron	0	0	50	0.0000154	1000	1.471E-05					5000	1.4114E-05
Cadmium	0	0	100	0.017455	1000	0.017254					10000	0.016841
Calcium	0	0	1100	6.170909E-05	50000	5.7408E-05					10000	
Chromium	0	0	100	0.0000513	1000	4.861E-05					10000	4.8847E-05
Cobalt	0	0	100	0.004627	1000	0.0044689					10000	0.0046031
Copper	0	0	100	0.0000644	1000	5.648E-05					10000	5.4617E-05
Iron	0	0	5100	1.956275E-05	10000	1.8644E-05			500000	1.80774E-05	10000	
Lead	0	0	100	0.0011706	1000	0.0011325					10000	0.001173
Magnesium	0	0	5100		50000	2.0514E-06			500000	2.0188E-06	10000	
Manganese	0	0	100	0.000274	1000	2.5685E-04	10000	0.0002518			10000	
Molybdenum	0	0	100	0.0030612	1000	0.0031328					10000	0.0031419
Nickel	0	0	100	0.0030501	1000	0.0029513					10000	0.0030384
Potassium	0	0	1000	1.331E-05	10000	1.5952E-05						
Selenium	0	0	100	0.0003407	1000	3.3652E-04					10000	3.3181E-04
Silver	0	0	20	0.0000605	500	5.476E-05	2000	5.6505E-05				
Sodium	0	0	1000		50000	5.0418E-05						
Strontium	0	0	100	0.00159	1000	0.001554					10000	0.001518
Thallium	0	0	100	0.000671	1000	6.7282E-04					10000	0.0006887
Tin	0	0	50	0.0011948	1000	0.0012192					5000	1.24824E-03
Titanium	0	0	100	0.0001818	1000	1.7921E-04					10000	0.000172
Vanadium	0	0	100	0.0000461	1000	4.397E-05					10000	4.3488E-05
Zinc	0	0	100	0.0068686	1000	0.0068232					10000	0.0068385
Aluminum	0	0	5000	2.2212E-05	10000	2.1996E-05			500000	2.171E-05		
Antimony	0	0	100	0.0005192	1000	5.4215E-04					10000	0.0005502
Arsenic	0	0	100	0.0002743	1000	2.9155E-04					10000	2.9023E-04
Barium	0	0	50	0.0101404	1000	9.495401E-03	5000	0.0099604				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2234004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/16/12 9:32 8/16/12 10:03

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0023103	1000	0.0022817					10000	0.00216
Boron	0	0	50	0.0000154	1000	1.471E-05					5000	1.4114E-05
Cadmium	0	0	100	0.017455	1000	0.017254					10000	0.016841
Calcium	0	0	1100	6.170909E-05	50000	5.7408E-05					10000	
Chromium	0	0	100	0.0000513	1000	4.861E-05					10000	4.8847E-05
Cobalt	0	0	100	0.004627	1000	0.0044689					10000	0.0046031
Copper	0	0	100	0.0000644	1000	5.648E-05					10000	5.4617E-05
Iron	0	0	5100	1.956275E-05	10000	1.8644E-05			500000	1.80774E-05	10000	
Lead	0	0	100	0.0011706	1000	0.0011325					10000	0.001173
Magnesium	0	0	5100		50000	2.0514E-06			500000	2.0188E-06	10000	
Manganese	0	0	100	0.000274	1000	2.5685E-04	10000	0.0002518			10000	
Molybdenum	0	0	100	0.0030612	1000	0.0031328					10000	0.0031419
Nickel	0	0	100	0.0030501	1000	0.0029513					10000	0.0030384
Potassium	0	0	1000	1.331E-05	10000	1.5952E-05						
Selenium	0	0	100	0.0003407	1000	3.3652E-04					10000	3.3181E-04
Silver	0	0	20	0.0000605	500	5.476E-05	2000	5.6505E-05				
Sodium	0	0	1000		50000	5.0418E-05						
Strontium	0	0	100	0.00159	1000	0.001554					10000	0.001518
Thallium	0	0	100	0.000671	1000	6.7282E-04					10000	0.0006887
Tin	0	0	50	0.0011948	1000	0.0012192					5000	1.24824E-03
Titanium	0	0	100	0.0001818	1000	1.7921E-04					10000	0.000172
Vanadium	0	0	100	0.0000461	1000	4.397E-05					10000	4.3488E-05
Zinc	0	0	100	0.0068686	1000	0.0068232					10000	0.0068385

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2234004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/16/12 9:32 8/16/12 10:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.5562E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.9495E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5901E-05										
Selenium												
Silver												
Sodium	100000	4.9368E-05	500000	4.7894E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2234004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/16/12 9:32 8/16/12 10:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.5562E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.9495E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5901E-05										
Selenium												
Silver												
Sodium	100000	4.9368E-05	500000	4.7894E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_060	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2234004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/16/12 9:32	8/16/12 10:03

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.64795E-05	66.67834	3.459053	165.6481	0.9999999		0.998	
Antimony	4.028875E-04	66.74632	4.085408	169.8821	0.9999989		0.998	
Arsenic	2.1402E-04	66.76721	1.57651	109.6515	0.9999991		0.998	
Barium	7.39905E-03	66.76776	1.02519	147.1474	0.9999023		0.998	
Beryllium	0.001688	66.77835	132.2839	199.0348	0.9999711		0.998	
Boron	1.1056E-05	66.83587	1.674725	79.25478	0.9999345		0.998	
Cadmium	0.0128875	66.69616	4.86121	186.537	0.9999947		0.998	
Calcium	4.366977E-05	66.92701	2.450252	153.2746	0.9999897		0.998	
Chromium	3.718925E-05	66.74681	37.84135	197.2784	0.9999993		0.998	
Cobalt	3.42475E-03	66.69762	2.443747	174.6091	0.999991		0.998	
Copper	4.387425E-05	67.36392	1.583248	66.29448	0.9999952		0.998	
Iron	1.407104E-05	66.8084	27.29817	196.3338	0.9999995		0.998	
Lead	8.69025E-04	66.70084	110.0621	199.2438	0.9999882		0.998	
Magnesium	1.504925E-06	66.72643	281.2482	199.6462	0.9999324		0.998	
Manganese	1.956625E-04	66.84328	1.722585	118.5675	0.9999969		0.998	
Molybdenum	2.333975E-03	66.6846	4.367412	182.769	1		0.998	
Nickel	2.25995E-03	66.69519	23.53813	196.4841	0.9999916		0.998	
Potassium	1.129075E-05	67.55603	3.12291	138.2311	0.9999962		0.998	
Selenium	2.522575E-04	66.6822	4.098933	177.2178	0.9999987		0.998	
Silver	4.294125E-05	66.90104	7.16047	161.4133	0.9999251		0.998	
Sodium	3.692E-05	66.72561	3.790595	154.6202	0.9999559		0.998	
Strontium	0.0011655	66.71435	1.822475	101.6252	0.9999948		0.998	
Thallium	5.0813E-04	66.68502	5.030777	180.2699	0.9999958		0.998	
Tin	9.1556E-04	66.70935	3.10082	167.8387	0.9999792		0.998	
Titanium	1.332525E-04	66.73925	20.4752	194.8604	0.999984		0.998	
Vanadium	3.33895E-05	66.75326	7.552527	184.6037	0.9999992		0.998	
Zinc	5.132575E-03	66.66768	12.23962	194.7515	0.9999999		0.998	
Aluminum	1.64795E-05	66.67834	3.459053	165.6481	0.9999999		0.998	
Antimony	4.028875E-04	66.74632	4.085408	169.8821	0.9999989		0.998	
Arsenic	2.1402E-04	66.76721	1.57651	109.6515	0.9999991		0.998	
Barium	7.39905E-03	66.76776	1.02519	147.1474	0.9999023		0.998	
Beryllium	0.001688	66.77835	132.2839	199.0348	0.9999711		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2234004	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	8/16/12 9:32	8/16/12 10:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.1056E-05	66.83587	1.674725	79.25478	0.9999345		0.998	
Cadmium	0.0128875	66.69616	4.86121	186.537	0.9999947		0.998	
Calcium	4.366977E-05	66.92701	2.450252	153.2746	0.9999897		0.998	
Chromium	3.718925E-05	66.74681	37.84135	197.2784	0.9999993		0.998	
Cobalt	3.42475E-03	66.69762	2.443747	174.6091	0.999991		0.998	
Copper	4.387425E-05	67.36392	1.583248	66.29448	0.9999952		0.998	
Iron	1.407104E-05	66.8084	27.29817	196.3338	0.9999995		0.998	
Lead	8.69025E-04	66.70084	110.0621	199.2438	0.9999882		0.998	
Magnesium	1.504925E-06	66.72643	281.2482	199.6462	0.9999324		0.998	
Manganese	1.956625E-04	66.84328	1.722585	118.5675	0.9999969		0.998	
Molybdenum	2.333975E-03	66.6846	4.367412	182.769	1		0.998	
Nickel	2.25995E-03	66.69519	23.53813	196.4841	0.9999916		0.998	
Potassium	1.129075E-05	67.55603	3.12291	138.2311	0.9999962		0.998	
Selenium	2.522575E-04	66.6822	4.098933	177.2178	0.9999987		0.998	
Silver	4.294125E-05	66.90104	7.16047	161.4133	0.9999251		0.998	
Sodium	3.692E-05	66.72561	3.790595	154.6202	0.9999559		0.998	
Strontium	0.0011655	66.71435	1.822475	101.6252	0.9999948		0.998	
Thallium	5.0813E-04	66.68502	5.030777	180.2699	0.9999958		0.998	
Tin	9.1556E-04	66.70935	3.10082	167.8387	0.9999792		0.998	
Titanium	1.332525E-04	66.73925	20.4752	194.8604	0.999984		0.998	
Vanadium	3.33895E-05	66.75326	7.552527	184.6037	0.9999992		0.998	
Zinc	5.132575E-03	66.66768	12.23962	194.7515	0.9999999		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2235004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/22/12 9:03 8/22/12 9:39

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	2.3914E-05	10000	2.3513E-05			500000	2.2974E-05		
Antimony	0	0	100	0.0006319	1000	6.5509E-04					10000	6.6137E-04
Arsenic	0	0	100	0.0003508	1000	3.6655E-04					10000	3.6271E-04
Barium	0	0	50	0.0116368	1000	0.010893	5000	0.0113608				
Beryllium	0	0	100	0.0025685	1000	0.002506					10000	0.0023937
Boron	0	0	50	0.000015	1000	1.637E-05					5000	1.6034E-05
Cadmium	0	0	100	0.018426	1000	0.018062					10000	0.017069
Calcium	0	0	1100	6.003636E-05	50000	5.7886E-05					10000	
Chromium	0	0	100	0.000054	1000	5.094E-05					10000	5.0438E-05
Cobalt	0	0	100	0.005068	1000	0.0048879					10000	0.0049275
Copper	0	0	100	0.0000766	1000	6.842E-05					10000	6.5657E-05
Iron	0	0	5100	2.094902E-05	10000	1.9556E-05			500000	1.87308E-05	10000	
Lead	0	0	100	0.0012419	1000	0.0011975					10000	0.0012106
Magnesium	0	0	5100		50000	2.0754E-06			500000	2.0802E-06	10000	
Manganese	0	0	100	0.0002695	1000	2.6019E-04	10000	2.4848E-04			10000	
Molybdenum	0	0	100	0.0038172	1000	0.0038486					10000	0.0038173
Nickel	0	0	100	0.0034192	1000	0.0033113					10000	0.0033844
Potassium	0	0	1000	0.000015	10000	1.6917E-05						
Selenium	0	0	100	0.0003813	1000	3.8018E-04					10000	3.6967E-04
Silver	0	0	20	0.0000655	500	0.0000609	2000	6.133E-05				
Sodium	0	0	1000		50000	5.6934E-05						
Strontium	0	0	100	0.001751	1000	0.001692					10000	0.001647
Thallium	0	0	100	0.0007613	1000	7.5239E-04					10000	7.6384E-04
Tin	0	0	50	0.0013044	1000	0.0013148					5000	0.0013198
Titanium	0	0	100	0.0001772	1000	1.7832E-04					10000	1.7413E-04
Vanadium	0	0	100	0.0000489	1000	4.649E-05					10000	4.5855E-05
Zinc	0	0	100	0.0075027	1000	0.0073866					10000	0.0072869

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2235004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/22/12 9:03 8/22/12 9:39

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	5.3798E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.9601E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.6473E-05										
Selenium												
Silver												
Sodium	100000	5.3932E-05	500000	5.2012E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2235004	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	8/22/12 9:03	8/22/12 9:39	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.760025E-05	66.70257	13.09067	188.9852	0.9999998		0.998	
Antimony	4.8709E-04	66.71742	6.5492	180.7009	0.9999996		0.998	
Arsenic	2.70015E-04	66.7129	5.645143	185.6439	0.9999983		0.998	
Barium	8.47265E-03	66.76506	1.482083	155.4183	0.9999236		0.998	
Beryllium	1.86705E-03	66.77911	99.55647	198.3025	0.9999804		0.998	
Boron	1.1851E-05	66.84792	6.495058	186.1036	0.9999777		0.998	
Cadmium	1.338925E-02	66.80412	3.244217	185.5412	0.9999697		0.998	
Calcium	4.293009E-05	66.93856	6.785525	163.7547	0.9999439		0.998	
Chromium	3.88445E-05	66.78973	10.31662	188.0059	0.9999992		0.998	
Cobalt	3.72085E-03	66.69901	3.590092	182.5199	0.999999		0.998	
Copper	5.266925E-05	67.24781	1.064627	112.3243	0.9999915		0.998	
Iron	1.480895E-05	66.95266	43.62551	196.9125	0.9999989		0.998	
Lead	0.0009125	66.69791	56.58888	198.38	0.9999985		0.998	
Magnesium	1.528925E-06	66.76548	46.14677	195.3848	0.9998492		0.998	
Manganese	1.945425E-04	66.81307	8.575058	189.5525	0.9999805		0.998	
Molybdenum	2.870775E-03	66.66865	11.31902	193.8343	0.9999993		0.998	
Nickel	2.528725E-03	66.69038	16.28179	196.2178	0.9999951		0.998	
Potassium	1.20975E-05	67.00981	1.866577	82.43504	0.9999859		0.998	
Selenium	2.827875E-04	66.6924	11.31735	188.9763	0.9999929		0.998	
Silver	4.69325E-05	66.81305	9.171013	191.5884	0.9999945		0.998	
Sodium	4.07195E-05	66.85199	4.463102	145.5655	0.9999056		0.998	
Strontium	0.0012725	66.75061	3.220925	162.0785	0.9999934		0.998	
Thallium	5.693825E-04	66.67224	3.781987	176.4695	0.9999981		0.998	
Tin	9.8475E-04	66.66985	4.412872	179.3092	0.9999996		0.998	
Titanium	1.324125E-04	66.68008	11657.04	199.9876	0.9999945		0.998	
Vanadium	3.531125E-05	66.77007	1.239835	101.1214	0.9999987		0.998	
Zinc	5.54405E-03	66.68564	10.77251	195.6993	0.9999984		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2241002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/27/12 9:35 8/27/12 10:09

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.1798E-05	10000	2.1304E-05			500000	2.1124E-05		
Antimony	0	0	100	0.000648	1000	0.0006842					10000	0.0006945
Arsenic	0	0	100	0.0003211	1000	3.4081E-04					10000	3.3926E-04
Barium	0	0	50	0.012008	1000	0.011271	5000	0.0118224				
Beryllium	0	0	100	0.0022581	1000	0.0022886					10000	0.0022071
Boron	0	0	50	0.0000138	1000	1.359E-05					5000	1.3204E-05
Cadmium	0	0	100	0.018682	1000	0.01838					10000	0.017538
Calcium	0	0	1100	5.224546E-05	50000	5.106E-05					10000	
Chromium	0	0	100	0.0000484	1000	0.0000464					10000	4.6192E-05
Cobalt	0	0	100	0.0051869	1000	0.0050069					10000	0.0051232
Copper	0	0	100	0.0000594	1000	5.433E-05					10000	5.188E-05
Iron	0	0	5100	1.828039E-05	10000	1.7436E-05			500000	1.65944E-05	10000	
Lead	0	0	100	0.0012706	1000	0.0012207					10000	0.0012539
Magnesium	0	0	5100		50000	1.8346E-06			500000	1.87652E-06	10000	
Manganese	0	0	100	0.0002343	1000	2.2541E-04	10000	2.1752E-04			10000	
Molybdenum	0	0	100	0.0035021	1000	0.0035565					10000	0.0035749
Nickel	0	0	100	0.0035068	1000	0.003418					10000	0.003517
Potassium	0	0	1000	1.383E-05	10000	1.5196E-05						
Selenium	0	0	100	0.0003915	1000	3.9308E-04					10000	3.8757E-04
Silver	0	0	20	0.0000595	500	5.604E-05	2000	5.6735E-05				
Sodium	0	0	1000		50000	4.3204E-05						
Strontium	0	0	100	0.001431	1000	0.001429					10000	0.001383
Thallium	0	0	100	0.0007776	1000	7.7469E-04					10000	0.0007928
Tin	0	0	50	0.0013446	1000	0.0013553					5000	1.37024E-03
Titanium	0	0	100	0.000163	1000	1.6381E-04					10000	1.6041E-04
Vanadium	0	0	100	0.0000431	1000	4.253E-05					10000	4.1947E-05
Zinc	0	0	100	0.0071157	1000	0.0070386					10000	0.006989

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2241002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/27/12 9:35 8/27/12 10:09

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.7872E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.786E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5225E-05										
Selenium												
Silver												
Sodium	100000	4.1344E-05	500000	4.1444E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_060	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2241002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/27/12 9:35	8/27/12 10:09

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.60565E-05	66.69028	9.269565	191.0685	0.9999999		0.998	
Antimony	5.06675E-04	66.78274	4.330428	168.0958	0.999999		0.998	
Arsenic	2.502925E-04	66.76246	2.562045	148.9123	0.9999992		0.998	
Barium	8.77535E-03	66.76201	0.78406	126.3424	0.9999033		0.998	
Beryllium	1.68845E-03	66.6964	114.1882	198.5977	0.999987		0.998	
Boron	1.01485E-05	66.71101	2.703505	134.7586	0.9999685		0.998	
Cadmium	0.01365	66.76092	5.318435	189.1681	0.9999794		0.998	
Calcium	3.779436E-05	66.84551	1.476715	83.67614	0.9999568		0.998	
Chromium	3.5248E-05	66.72646	12.14137	185.3944	0.9999998		0.998	
Cobalt	3.82925E-03	66.69506	1.232105	156.4007	0.9999944		0.998	
Copper	4.14025E-05	67.09435	1.090015	51.79519	0.9999869		0.998	
Iron	1.30777E-05	66.8741	10.47089	190.0758	0.999999		0.998	
Lead	0.0009363	66.70345	10.01668	192.5687	0.9999929		0.998	
Magnesium	1.37428E-06	66.72097	1269.795	199.959	0.9999079		0.998	
Manganese	1.693075E-04	66.78948	3.672925	158.9466	0.9999888		0.998	
Molybdenum	2.658375E-03	66.6768	4.89032	187.2002	0.9999998		0.998	
Nickel	2.61045E-03	66.68842	5.351135	188.6762	0.999992		0.998	
Potassium	1.106275E-05	66.92579	2.685097	134.2841	0.9999994		0.998	
Selenium	2.930375E-04	66.67135	18.46008	194.4996	0.9999983		0.998	
Silver	4.306875E-05	66.7569	3.802022	150.8544	0.999987		0.998	
Sodium	3.1498E-05	66.72181	2.714592	137.7174	0.999979		0.998	
Strontium	1.06075E-03	66.69942	3.463225	138.422	0.9999895		0.998	
Thallium	5.862725E-04	66.68042	5.153847	182.8015	0.9999957		0.998	
Tin	1.017535E-03	66.67468	8.27308	192.0856	0.9999956		0.998	
Titanium	1.21805E-04	66.67729	63.31169	198.2661	0.9999958		0.998	
Vanadium	3.189425E-05	66.683	2.277507	127.8775	0.9999984		0.998	
Zinc	5.285825E-03	66.67396	2.275002	181.8257	0.9999996		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0687

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-01
Sampled:	08/06/12 16:08	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:40
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2H10006	08/10/12 10:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	237	1.00	1.00	1.00	1		SM2320B	2H20025	08/20/12 14:37
16887-00-6	Chloride	26.0	0.170	0.330	0.500	1		E300.0	2H15022	08/16/12 03:13
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Y U N	E353.2	2H23624	08/23/12 17:38
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H20025	08/20/12 14:37
14808-79-8	Sulfate as SO4	24.8	0.330	1.00	2.50	1	M	E300.0	2H15022	08/16/12 03:13

ANALYSIS DATA SHEET

GW0688

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-03
Sampled:	08/06/12 13:29	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:42
18496-25-8	Sulfide		0.800	2.00	4.00	1	U	SM4500S2CF	2H10006	08/10/12 10:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	120	1.00	1.00	1.00	1		SM2320B	2H20025	08/20/12 14:45
16887-00-6	Chloride	14.4	0.170	0.330	0.500	1		E300.0	2H15022	08/16/12 03:30
NA	Nitrate/Nitrite as N	0.438	0.250	0.750	1.50	1	Y J N	E353.2	2H23624	08/23/12 17:39
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H20025	08/20/12 14:45
14808-79-8	Sulfate as SO4	37.2	0.330	1.00	2.50	1	M	E300.0	2H15022	08/16/12 03:30

ANALYSIS DATA SHEET

GW0689

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-05
Sampled:	08/06/12 11:11	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:44
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.9	1.00	1.00	1.00	1		SM2320B	2H20025	08/20/12 14:51
16887-00-6	Chloride	7.36	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 18:24
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Y U N	E353.2	2H23624	08/23/12 17:40
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H20025	08/20/12 14:51
14808-79-8	Sulfate as SO4	28.1	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 18:24

ANALYSIS DATA SHEET

GW0704

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-07
Sampled:	08/06/12 13:25	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:45
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2H10006	08/10/12 10:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	2H20025	08/20/12 14:55
16887-00-6	Chloride	48.2	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 20:09
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Y U N	E353.2	2H23624	08/23/12 17:42
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H20025	08/20/12 14:55
14808-79-8	Sulfate as SO4	39.1	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 20:09

ANALYSIS DATA SHEET

GW0705

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-09
Sampled:	08/06/12 11:25	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:46
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2H10006	08/10/12 10:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	98.7	1.00	1.00	1.00	1		SM2320B	2H20025	08/20/12 15:00
16887-00-6	Chloride	7.29	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 20:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Y U N	E353.2	2H23624	08/23/12 17:43
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H20025	08/20/12 15:00
14808-79-8	Sulfate as SO4	27.8	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 20:26

ANALYSIS DATA SHEET

GW0706

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-11
Sampled:	08/06/12 15:25	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:47
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	139	1.00	1.00	1.00	1		SM2320B	2H20025	08/20/12 15:05
16887-00-6	Chloride	15.4	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 20:44
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Y U N	E353.2	2H23624	08/23/12 17:45
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H20025	08/20/12 15:05
14808-79-8	Sulfate as SO4	30.4	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 20:44

ANALYSIS DATA SHEET

GW0707

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-13
Sampled:	08/07/12 10:46	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:48
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:15
71-52-3	Alkalinity, Bicarbonate (as CACO3)	229	1.00	1.00	1.00	1		SM2320B	2H21920	08/21/12 16:06
16887-00-6	Chloride	56.6	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 21:01
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Y U N	E353.2	2H23624	08/23/12 17:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H21920	08/21/12 16:06
14808-79-8	Sulfate as SO4	116	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 21:01

ANALYSIS DATA SHEET

GW0734

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-15
Sampled:	08/07/12 12:55	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:49
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:16
71-52-3	Alkalinity, Bicarbonate (as CACO3)	91.4	1.00	1.00	1.00	1		SM2320B	2H21920	08/21/12 16:15
16887-00-6	Chloride	24.5	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 21:18
NA	Nitrate/Nitrite as N	1.35	0.250	0.750	1.50	1	Y J N	E353.2	2H23624	08/23/12 17:48
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H21920	08/21/12 16:15
14808-79-8	Sulfate as SO4	55.2	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 21:18

ANALYSIS DATA SHEET

GW0735

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-17
Sampled:	08/07/12 10:27	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:50
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:17
71-52-3	Alkalinity, Bicarbonate (as CACO3)	92.2	1.00	1.00	1.00	1		SM2320B	2H21920	08/21/12 16:20
16887-00-6	Chloride	14.7	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 21:36
NA	Nitrate/Nitrite as N	0.715	0.250	0.750	1.50	1	Y J N	E353.2	2H23624	08/23/12 17:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H21920	08/21/12 16:20
14808-79-8	Sulfate as SO4	36.3	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 21:36

ANALYSIS DATA SHEET

GW0736

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208055-19
Sampled:	08/07/12 10:27	Received:	08/08/12 08:15
% 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	2H23609	08/23/12 14:51
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	2H21920	08/21/12 16:25
16887-00-6	Chloride	14.8	0.170	0.330	2.50	1	M	E300.0	2H16014	08/16/12 21:53
NA	Nitrate/Nitrite as N	0.712	0.250	0.750	1.50	1	Y J N	E353.2	2H23624	08/23/12 17:51
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H21920	08/21/12 16:25
14808-79-8	Sulfate as SO4	36.0	0.330	1.00	2.50	1	M	E300.0	2H16014	08/16/12 21:53

ANALYSIS DATA SHEET

GW0633

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-01
Sampled:	08/08/12 14:58	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 14:56
18496-25-8	Sulfide	0.811	0.678	1.69	3.39	1	J	SM4500S2CF	2H10006	08/10/12 10:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	161	1.00	1.00	1.00	1		SM2320B	2H22917	08/22/12 10:00
16887-00-6	Chloride	11.8	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 18:54
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:22
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H22917	08/22/12 10:00
14808-79-8	Sulfate as SO4	23.9	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 18:54

ANALYSIS DATA SHEET

GW0634

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-03
Sampled:	08/08/12 14:58	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 14:57
18496-25-8	Sulfide	1.08	0.678	1.69	3.39	1	J	SM4500S2CF	2H10006	08/10/12 10:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	157	1.00	1.00	1.00	1		SM2320B	2H22917	08/22/12 10:06
16887-00-6	Chloride	11.8	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 19:12
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:23
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H22917	08/22/12 10:06
14808-79-8	Sulfate as SO4	24.0	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 19:12

ANALYSIS DATA SHEET

GW0636

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-05
Sampled:	08/08/12 10:54	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 14:58
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2H10006	08/10/12 10:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	120	1.00	1.00	1.00	1		SM2320B	2H22917	08/22/12 10:14
16887-00-6	Chloride	12.2	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 19:29
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:24
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H22917	08/22/12 10:14
14808-79-8	Sulfate as SO4	30.9	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 19:29

ANALYSIS DATA SHEET

GW0642

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-07
Sampled:	08/07/12 15:19	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 14:59
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10006	08/10/12 10:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2H21920	08/21/12 16:30
16887-00-6	Chloride	19.1	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 20:21
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:26
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H21920	08/21/12 16:30
14808-79-8	Sulfate as SO4	28.2	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 20:21

ANALYSIS DATA SHEET

GW0695

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-09
Sampled:	08/08/12 13:56	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 15:00
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10007	08/10/12 10:33
71-52-3	Alkalinity, Bicarbonate (as CACO3)	143	1.00	1.00	1.00	1		SM2320B	2H22917	08/22/12 11:50
16887-00-6	Chloride	13.6	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 20:39
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:27
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H22917	08/22/12 11:50
14808-79-8	Sulfate as SO4	48.9	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 20:39

ANALYSIS DATA SHEET

GW0696

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-11
Sampled:	08/08/12 11:32	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 15:01
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2H10007	08/10/12 10:34
71-52-3	Alkalinity, Bicarbonate (as CACO3)	109	1.00	1.00	1.00	1		SM2320B	2H22917	08/22/12 11:55
16887-00-6	Chloride	7.60	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 20:56
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:29
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H22917	08/22/12 11:55
14808-79-8	Sulfate as SO4	28.3	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 20:56

ANALYSIS DATA SHEET

GW0733

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208065-13
Sampled:	08/07/12 15:05	Received:	08/09/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H23609	08/23/12 15:02
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2H10007	08/10/12 10:35
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2H21920	08/21/12 16:38
16887-00-6	Chloride	40.1	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 21:14
NA	Nitrate/Nitrite as N	3.43	0.250	0.750	1.50	1		E353.2	2H29003	08/29/12 09:30
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H21920	08/21/12 16:38
14808-79-8	Sulfate as SO4	81.0	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 21:14

ANALYSIS DATA SHEET

GW0632

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-01
Sampled:	08/09/12 14:47	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.403	0.110	0.150	0.300	1		SM4500NH3BG	2H27002	08/29/12 13:40
18496-25-8	Sulfide	1.22	0.870	2.17	4.35	1	J	SM4500S2CF	2H15017	08/15/12 11:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	153	1.00	1.00	1.00	1		SM2320B	2H23603	08/23/12 08:11
16887-00-6	Chloride	19.3	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 22:41
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H23603	08/23/12 08:11
14808-79-8	Sulfate as SO4	8.73	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 22:41

ANALYSIS DATA SHEET

GW0637

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-03
Sampled:	08/09/12 14:01	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.117	0.110	0.150	0.300	1	J	SM4500NH3BG	2H27002	08/29/12 13:41
18496-25-8	Sulfide		0.870	2.17	4.35	1	U	SM4500S2CF	2H15017	08/15/12 11:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	431	1.00	1.00	1.00	1		SM2320B	2H23603	08/23/12 08:21
16887-00-6	Chloride	124	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 22:58
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:33
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H23603	08/23/12 08:21
14808-79-8	Sulfate as SO4		0.330	1.00	2.50	1	M U	E300.0	2H22921	08/22/12 22:58

ANALYSIS DATA SHEET

GW0641

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-05
Sampled:	08/09/12 10:48	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H27002	08/29/12 13:42
18496-25-8	Sulfide	1.53	0.870	2.17	4.35	1	J	SM4500S2CF	2H15017	08/15/12 11:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	197	1.00	1.00	1.00	1		SM2320B	2H23603	08/23/12 08:30
16887-00-6	Chloride	13.6	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 23:15
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H23603	08/23/12 08:30
14808-79-8	Sulfate as SO4	18.4	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 23:15

ANALYSIS DATA SHEET

GW0694

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-07
Sampled:	08/08/12 16:48	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H27002	08/29/12 13:43
18496-25-8	Sulfide		0.870	2.17	4.35	1	U	SM4500S2CF	2H15017	08/15/12 11:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	252	1.00	1.00	1.00	1		SM2320B	2H22917	08/22/12 11:59
16887-00-6	Chloride	60.2	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 23:33
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:39
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H22917	08/22/12 11:59
14808-79-8	Sulfate as SO4	13.5	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 23:33

ANALYSIS DATA SHEET

GW0708

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1208078-09
Sampled:	08/09/12 11:02	Received:	08/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2H27002	08/29/12 13:44
18496-25-8	Sulfide		0.870	2.17	4.35	1	U	SM4500S2CF	2H15017	08/15/12 11:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	100	1.00	1.00	1.00	1		SM2320B	2H23603	08/23/12 08:45
16887-00-6	Chloride	7.49	0.170	0.330	0.500	1		E300.0	2H22921	08/22/12 23:50
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2H29003	08/29/12 09:40
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2H23603	08/23/12 08:45
14808-79-8	Sulfate as SO4	28.2	0.330	1.00	2.50	1	M	E300.0	2H22921	08/22/12 23:50

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E13609

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13609-ICV1	Chloride	4.800	4.613	96.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.62	98.4	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H23006

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H23006-CCV1	Chloride	25.00	26.52	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.23	105	mg/L	+/- 10.00%
2H23006-CCV2	Chloride	25.00	26.55	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.70	103	mg/L	+/- 10.00%
2H23006-CCV3	Chloride	25.00	26.51	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.93	104	mg/L	+/- 10.00%
2H23006-CCV4	Chloride	25.00	26.82	107	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.15	105	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H23318

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H23318-CCV1	Chloride	25.00	27.44	110	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.91	108	mg/L	+/- 10.00%
2H23318-CCV2	Chloride	25.00	26.02	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.56	102	mg/L	+/- 10.00%
2H23318-CCV3	Chloride	25.00	25.59	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.41	102	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_060
Project: Kirtland AFB 2011
Calibration: 2236002
Sequence: 2H23623

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H23623-ICV1	Ammonia as N	2.000	2.039	102	mg/L	+/- 10.00%
2H23623-CCV1	Ammonia as N	2.000	2.089	104	mg/L	+/- 10.00%
2H23623-CCV2	Ammonia as N	2.000	2.093	105	mg/L	+/- 10.00%
2H23623-CCV3	Ammonia as N	2.000	2.100	105	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_060
Project: Kirtland AFB 2011
Calibration: 2236003
Sequence: 2H23628

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H23628-ICV1	Nitrate/Nitrite as N	1.200	1.195	99.6	mg/L	+/- 10.00%
2H23628-CCV1	**Nitrate/Nitrite as N**	**1.200**	**1.071**	**89.2**	**mg/L**	+/- 10.00%
2H23628-CCV2	**Nitrate/Nitrite as N**	**1.200**	**1.074**	**89.5**	**mg/L**	+/- 10.00%
2H23628-ICV2	**Nitrate/Nitrite as N**	**1.200**	**1.061**	**88.4**	**mg/L**	+/- 10.00%
2H23628-CCV3	**Nitrate/Nitrite as N**	**1.200**	**1.074**	**89.5**	**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_060
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2H23702

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H23702-CCV1	Chloride	25.00	25.88	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.98	104	mg/L	+/- 10.00%
2H23702-CCV2	Chloride	25.00	25.81	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.02	104	mg/L	+/- 10.00%
2H23702-CCV3	Chloride	25.00	25.76	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.86	103	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_060
Project: Kirtland AFB 2011
Calibration: 2242001
Sequence: 2H24202

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H24202-ICV1	Nitrate/Nitrite as N	1.200	1.231	103	mg/L	+/- 10.00%
2H24202-CCV1	Nitrate/Nitrite as N	1.200	1.161	96.8	mg/L	+/- 10.00%
2H24202-CCV2	Nitrate/Nitrite as N	1.200	1.165	97.1	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_060
Project: Kirtland AFB 2011
Calibration: 2242003
Sequence: 2H24208

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2H24208-ICV1	Ammonia as N	2.000	2.050	102	mg/L	+/- 10.00%
2H24208-CCV1	Ammonia as N	2.000	2.133	107	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H23006

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H23006-CRL1	Chloride	0.5000	0.6150	123	mg/L	75 - 125
2H23006-CRL3	Sulfate as SO4	2.500	1.970	78.8	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H23318

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H23318-CRL3	Chloride	2.500	2.717	109	mg/L	75 - 125
	Sulfate as SO4	2.500	2.071	82.8	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2H23702

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2H23702-CRL1	Chloride	0.5000	0.5970	119	mg/L	75 - 125
2H23702-CRL3	Sulfate as SO4	2.500	2.115	84.6	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H10006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H10006-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H10007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H10007-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H15017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H15017-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H15022

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H15022-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H16014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H16014-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
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H20025

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H20025-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H21920

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H21920-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H22917

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22917-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_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H22921

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H22921-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
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H23603

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23603-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H23609

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23609-BLK2	Ammonia as N	0.0235	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H23624

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23624-BLK1	Nitrate/Nitrite as N	-0.0107	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H27002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H27002-BLK1	Ammonia as N	0.0452	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2H29003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H29003-BLK1	Nitrate/Nitrite as N	-0.0388	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13609
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13609-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H23006
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23006-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
2H23006-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
2H23006-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
2H23006-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_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H23318
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23318-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
2H23318-CCB2	Chloride	0.0420	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2H23318-CCB3	Chloride	0.0210	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H23623
Calibration: 2236002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23623-ICB1	Ammonia as N	0.006515	0.110	0.300	mg/L	U	SM4500NH3BG
2H23623-CCB1	Ammonia as N	0.00910	0.110	0.300	mg/L	U	SM4500NH3BG
2H23623-CCB2	Ammonia as N	0.00498	0.110	0.300	mg/L	U	SM4500NH3BG
2H23623-CCB3	Ammonia as N	0.00322	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H23628
Calibration: 2236003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23628-ICB1	Nitrate/Nitrite as N	-0.02043	0.0500	0.300	mg/L	U	E353.2
2H23628-CCB1	Nitrate/Nitrite as N	-0.00571	0.0500	0.300	mg/L	U	E353.2
2H23628-CCB2	Nitrate/Nitrite as N	-0.0107	0.0500	0.300	mg/L	U	E353.2
2H23628-ICB2	Nitrate/Nitrite as N	-0.005328	0.0500	0.300	mg/L	U	E353.2
2H23628-CCB3	Nitrate/Nitrite as N	-0.0167	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H23702
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H23702-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
2H23702-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
2H23702-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H24202
Calibration: 2242001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H24202-ICB1	Nitrate/Nitrite as N	-0.03600	0.0500	0.300	mg/L	U	E353.2
2H24202-CCB1	Nitrate/Nitrite as N	-0.0428	0.0500	0.300	mg/L	U	E353.2
2H24202-CCB2	Nitrate/Nitrite as N	-0.0345	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_060
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2H24208
Calibration: 2242003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2H24208-ICB1	Ammonia as N	-0.008698	0.110	0.300	mg/L	U	SM4500NH3BG
2H24208-CCB1	Ammonia as N	-0.00866	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0689

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H16014

% Solids:

Source Sample Name: **1208055-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	7.356	35.87	103		80 - 120
Sulfate as SO4	27.78	28.07	57.36	105		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	35.85	103	0.0558		20	80 - 120
Sulfate as SO4	27.78	57.24	105	0.213		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0633

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H22917

% Solids:

Source Sample Name: **1208065-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	161.0	266.9	95.4		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	266.9	95.4	0.00		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0687

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H23609

% Solids:

Source Sample Name: **1208055-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.002	100		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0736

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2H23624

% Solids:

Source Sample Name: **1208055-19**

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	0.7120	2.920	88.3	N	90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.934	88.9	0.495	N	20	90 - 110

DUPLICATES

GW0689

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2H16014
Preparation: pNone
Source Sample Name: GW0689

SDG: Kirtland_060
Project: Kirtland AFB 2011
Laboratory ID: 2H16014-DUP1
Lab Source ID: 1208055-05
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	7.36	7.043	4.35		E300.0
Sulfate as SO4	20	28.1	27.69	1.36		E300.0

GW0688

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2H23609
Preparation: pNone
Source Sample Name: GW0688

SDG: Kirtland_060
Project: Kirtland AFB 2011
Laboratory ID: 2H23609-DUP1
Lab Source ID: 1208055-03
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	20	0.300 U	0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10006	Laboratory ID:	2H10006-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	1117	88.2	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1083	85.6	3.03	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H10007	Laboratory ID:	2H10007-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	1100	86.9	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1083	85.6	1.53	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15017	Laboratory ID:	2H15017-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1150	90.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H15022	Laboratory ID:	2H15022-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	5.121	107	90 - 110
Sulfate as SO4	24.00	24.26	101	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H16014	Laboratory ID:	2H16014-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	5.228	109	90 - 110
Sulfate as SO4	24.00	25.51	106	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H20025	Laboratory ID:	2H20025-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	1015	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H21920	Laboratory ID:	2H21920-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	1025	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H22917	Laboratory ID:	2H22917-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1017	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H22921	Laboratory ID:	2H22921-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.891	102	90 - 110
Sulfate as SO4	24.00	24.63	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H23603	Laboratory ID:	2H23603-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1017	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H23609	Laboratory ID:	2H23609-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	4.971	99.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H23624	Laboratory ID:	2H23624-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.74	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H27002	Laboratory ID:	2H27002-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	5.263	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2H29003	Laboratory ID:	2H29003-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.51	103	90 - 110

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H10006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/10/12 08:11	295.00	200.00
GW0688	1208055-03	08/10/12 08:11	250.00	200.00
GW0689	1208055-05	08/10/12 08:11	270.00	200.00
GW0704	1208055-07	08/10/12 08:11	295.00	200.00
GW0705	1208055-09	08/10/12 08:11	295.00	200.00
GW0706	1208055-11	08/10/12 08:11	270.00	200.00
GW0707	1208055-13	08/10/12 08:11	270.00	200.00
GW0734	1208055-15	08/10/12 08:11	270.00	200.00
GW0735	1208055-17	08/10/12 08:11	270.00	200.00
GW0736	1208055-19	08/10/12 08:11	270.00	200.00
GW0633	1208065-01	08/10/12 08:11	295.00	200.00
GW0634	1208065-03	08/10/12 08:11	295.00	200.00
GW0636	1208065-05	08/10/12 08:11	270.00	200.00
GW0642	1208065-07	08/10/12 08:11	270.00	200.00
Blank	2H10006-BLK1	08/10/12 08:11	250.00	200.00
LCS	2H10006-BS1	08/10/12 08:11	3.00	250.00
LCS Dup	2H10006-BSD1	08/10/12 08:11	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H10007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0695	1208065-09	08/10/12 08:13	270.00	200.00
GW0696	1208065-11	08/10/12 08:13	295.00	200.00
GW0733	1208065-13	08/10/12 08:13	270.00	200.00
Blank	2H10007-BLK1	08/10/12 08:13	250.00	200.00
LCS	2H10007-BS1	08/10/12 08:13	3.00	250.00
LCS Dup	2H10007-BSD1	08/10/12 08:13	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H15017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01	08/15/12 10:39	230.00	200.00
GW0637	1208078-03	08/15/12 10:39	230.00	200.00
GW0641	1208078-05	08/15/12 10:39	230.00	200.00
GW0694	1208078-07	08/15/12 10:39	230.00	200.00
GW0708	1208078-09	08/15/12 10:39	230.00	200.00
Blank	2H15017-BLK1	08/15/12 10:39	250.00	200.00
LCS	2H15017-BS1	08/15/12 10:39	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H15022 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/15/12 15:14	5.00	5.00
GW0688	1208055-03	08/15/12 15:14	5.00	5.00
Blank	2H15022-BLK1	08/15/12 15:14	5.00	5.00
LCS	2H15022-BS1	08/15/12 15:14	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H16014 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0689	1208055-05	08/16/12 12:52	5.00	5.00
GW0704	1208055-07	08/16/12 12:52	5.00	5.00
GW0705	1208055-09	08/16/12 12:52	5.00	5.00
GW0706	1208055-11	08/16/12 12:52	5.00	5.00
GW0707	1208055-13	08/16/12 12:52	5.00	5.00
GW0734	1208055-15	08/16/12 12:52	5.00	5.00
GW0735	1208055-17	08/16/12 12:52	5.00	5.00
GW0736	1208055-19	08/16/12 12:52	5.00	5.00
Blank	2H16014-BLK1	08/16/12 12:52	5.00	5.00
LCS	2H16014-BS1	08/16/12 12:52	5.00	5.00
GW0689	2H16014-DUP1	08/16/12 12:52	5.00	5.00
GW0689	2H16014-MS1	08/16/12 12:52	22.50	25.00
GW0689	2H16014-MSD1	08/16/12 12:52	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H20025 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/20/12 12:19	25.00	25.00
GW0688	1208055-03	08/20/12 12:19	25.00	25.00
GW0689	1208055-05	08/20/12 12:19	25.00	25.00
GW0704	1208055-07	08/20/12 12:19	25.00	25.00
GW0705	1208055-09	08/20/12 12:19	25.00	25.00
GW0706	1208055-11	08/20/12 12:19	25.00	25.00
Blank	2H20025-BLK1	08/20/12 12:19	25.00	25.00
LCS	2H20025-BS1	08/20/12 12:19	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H21920 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0707	1208055-13	08/21/12 08:14	25.00	25.00
GW0734	1208055-15	08/21/12 08:14	25.00	25.00
GW0735	1208055-17	08/21/12 08:14	25.00	25.00
GW0736	1208055-19	08/21/12 08:14	25.00	25.00
GW0642	1208065-07	08/21/12 08:14	25.00	25.00
GW0733	1208065-13	08/21/12 08:14	25.00	25.00
Blank	2H21920-BLK1	08/21/12 08:14	25.00	25.00
LCS	2H21920-BS1	08/21/12 08:14	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H22917 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0633	1208065-01	08/22/12 09:03	25.00	25.00
GW0634	1208065-03	08/22/12 09:03	25.00	25.00
GW0636	1208065-05	08/22/12 09:03	25.00	25.00
GW0695	1208065-09	08/22/12 09:03	25.00	25.00
GW0696	1208065-11	08/22/12 09:03	25.00	25.00
GW0694	1208078-07	08/22/12 09:03	25.00	25.00
Blank	2H22917-BLK1	08/22/12 09:03	25.00	25.00
LCS	2H22917-BS1	08/22/12 09:03	5.00	25.00
GW0633	2H22917-MS1	08/22/12 09:03	22.50	25.00
GW0633	2H22917-MSD1	08/22/12 09:03	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H22921 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0633	1208065-01	08/22/12 12:14	5.00	5.00
GW0634	1208065-03	08/22/12 12:14	5.00	5.00
GW0636	1208065-05	08/22/12 12:14	5.00	5.00
GW0642	1208065-07	08/22/12 12:14	5.00	5.00
GW0695	1208065-09	08/22/12 12:14	5.00	5.00
GW0696	1208065-11	08/22/12 12:14	5.00	5.00
GW0733	1208065-13	08/22/12 12:14	5.00	5.00
GW0632	1208078-01	08/22/12 12:14	5.00	5.00
GW0637	1208078-03	08/22/12 12:14	5.00	5.00
GW0641	1208078-05	08/22/12 12:14	5.00	5.00
GW0694	1208078-07	08/22/12 12:14	5.00	5.00
GW0708	1208078-09	08/22/12 12:14	5.00	5.00
Blank	2H22921-BLK1	08/22/12 12:14	5.00	5.00
LCS	2H22921-BS1	08/22/12 12:14	5.00	5.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H23603 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01	08/23/12 07:17	25.00	25.00
GW0637	1208078-03	08/23/12 07:17	25.00	25.00
GW0641	1208078-05	08/23/12 07:17	25.00	25.00
GW0708	1208078-09	08/23/12 07:17	25.00	25.00
Blank	2H23603-BLK1	08/23/12 07:17	25.00	25.00
LCS	2H23603-BS1	08/23/12 07:17	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H23609 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/23/12 08:38	100.00	100.00
GW0688	1208055-03	08/23/12 08:38	100.00	100.00
GW0689	1208055-05	08/23/12 08:38	100.00	100.00
GW0704	1208055-07	08/23/12 08:38	100.00	100.00
GW0705	1208055-09	08/23/12 08:38	100.00	100.00
GW0706	1208055-11	08/23/12 08:38	100.00	100.00
GW0707	1208055-13	08/23/12 08:38	100.00	100.00
GW0734	1208055-15	08/23/12 08:38	100.00	100.00
GW0735	1208055-17	08/23/12 08:38	100.00	100.00
GW0736	1208055-19	08/23/12 08:38	100.00	100.00
GW0633	1208065-01	08/23/12 08:38	100.00	100.00
GW0634	1208065-03	08/23/12 08:38	100.00	100.00
GW0636	1208065-05	08/23/12 08:38	100.00	100.00
GW0642	1208065-07	08/23/12 08:38	100.00	100.00
GW0695	1208065-09	08/23/12 08:38	100.00	100.00
GW0696	1208065-11	08/23/12 08:38	100.00	100.00
GW0733	1208065-13	08/23/12 08:38	100.00	100.00
Blank	2H23609-BLK2	08/23/12 08:38	100.00	100.00
LCS	2H23609-BS1	08/23/12 08:38	100.00	100.00
GW0688	2H23609-DUP1	08/23/12 08:38	100.00	100.00
GW0687	2H23609-MS1	08/23/12 08:38	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H23624 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0687	1208055-01	08/23/12 15:47	4.00	20.00
GW0688	1208055-03	08/23/12 15:47	4.00	20.00
GW0689	1208055-05	08/23/12 15:47	4.00	20.00
GW0704	1208055-07	08/23/12 15:47	4.00	20.00
GW0705	1208055-09	08/23/12 15:47	4.00	20.00
GW0706	1208055-11	08/23/12 15:47	4.00	20.00
GW0707	1208055-13	08/23/12 15:47	4.00	20.00
GW0734	1208055-15	08/23/12 15:47	4.00	20.00
GW0735	1208055-17	08/23/12 15:47	4.00	20.00
GW0736	1208055-19	08/23/12 15:47	4.00	20.00
Blank	2H23624-BLK1	08/23/12 15:47	20.00	20.00
LCS	2H23624-BS1	08/23/12 15:47	1.00	20.00
GW0736	2H23624-MS2	08/23/12 15:47	4.00	20.00
GW0736	2H23624-MSD2	08/23/12 15:47	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H27002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0632	1208078-01	08/27/12 06:28	100.00	100.00
GW0637	1208078-03	08/27/12 06:28	100.00	100.00
GW0641	1208078-05	08/27/12 06:28	100.00	100.00
GW0694	1208078-07	08/27/12 06:28	100.00	100.00
GW0708	1208078-09	08/27/12 06:28	100.00	100.00
Blank	2H27002-BLK1	08/27/12 06:28	100.00	100.00
LCS	2H27002-BS1	08/27/12 06:28	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_060

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

Batch: 2H29003 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0633	1208065-01	08/29/12 08:18	4.00	20.00
GW0634	1208065-03	08/29/12 08:18	4.00	20.00
GW0636	1208065-05	08/29/12 08:18	4.00	20.00
GW0642	1208065-07	08/29/12 08:18	4.00	20.00
GW0695	1208065-09	08/29/12 08:18	4.00	20.00
GW0696	1208065-11	08/29/12 08:18	4.00	20.00
GW0733	1208065-13	08/29/12 08:18	4.00	20.00
GW0632	1208078-01	08/29/12 08:18	4.00	20.00
GW0637	1208078-03	08/29/12 08:18	4.00	20.00
GW0641	1208078-05	08/29/12 08:18	4.00	20.00
GW0694	1208078-07	08/29/12 08:18	4.00	20.00
GW0708	1208078-09	08/29/12 08:18	4.00	20.00
Blank	2H29003-BLK1	08/29/12 08:18	20.00	20.00
LCS	2H29003-BS1	08/29/12 08:18	1.00	20.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2H20025-BS1	082012-002	08/20/12 12:50
Blank	2H20025-BLK1	082012-003	08/20/12 12:56
LCS	2H21920-BS1	082112-002	08/21/12 14:47
Blank	2H21920-BLK1	082112-003	08/21/12 14:54
LCS	2H22917-BS1	082212-002	08/22/12 09:35
Blank	2H22917-BLK1	082212-003	08/22/12 09:41
GW0633	2H22917-MS1	082212-004	08/22/12 09:45
GW0633	2H22917-MSD1	082212-005	08/22/12 09:55
LCS	2H23603-BS1	082312-002	08/23/12 07:41
Blank	2H23603-BLK1	082312-003	08/23/12 07:49

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_060

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2H10006-BS1	081012A-001	08/10/12 10:00
LCS Dup	2H10006-BSD1	081012A-002	08/10/12 10:01
Blank	2H10006-BLK1	081012A-003	08/10/12 10:02
LCS	2H10007-BS1	081012B-001	08/10/12 10:30
LCS Dup	2H10007-BSD1	081012B-002	08/10/12 10:31
Blank	2H10007-BLK1	081012B-003	08/10/12 10:32
LCS	2H15017-BS1	081512-001	08/15/12 11:00
Blank	2H15017-BLK1	081512-002	08/15/12 11:01

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13609	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13609-CAL1	051412-010	05/14/12 18:29
Cal Standard	2E13609-CAL2	051412-011	05/14/12 18:46
Cal Standard	2E13609-CAL3	051412-012	05/14/12 19:04
Cal Standard	2E13609-CAL4	051412-013	05/14/12 19:21
Cal Standard	2E13609-CAL5	051412-014	05/14/12 19:38
Cal Standard	2E13609-CAL6	051412-015	05/14/12 19:56
Cal Standard	2E13609-CAL7	051412-016	05/14/12 20:13
Cal Standard	2E13609-CAL8	051412-017	05/14/12 20:31
Initial Cal Check	2E13609-ICV1	051412-018	05/14/12 20:48
Initial Cal Blank	2E13609-ICB1	051412-019	05/14/12 21:06

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23006	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23006-CCV1	081512-003	08/15/12 17:04
Calibration Blank	2H23006-CCB1	081512-004	08/15/12 17:21
Instrument RL Check	2H23006-CRL1	081512-005	08/15/12 17:38
Instrument RL Check	2H23006-CRL3	081512-007	08/15/12 18:13
LCS	2H15022-BS1	081512-008	08/15/12 18:31
Blank	2H15022-BLK1	081512-009	08/15/12 18:48
Calibration Check	2H23006-CCV2	081512-020	08/15/12 22:00
Calibration Blank	2H23006-CCB2	081512-021	08/15/12 22:17
Calibration Check	2H23006-CCV3	081512-032	08/16/12 01:29
Calibration Blank	2H23006-CCB3	081512-033	08/16/12 01:46
GW0687	1208055-01	081512-038	08/16/12 03:13
GW0688	1208055-03	081512-039	08/16/12 03:30
Calibration Check	2H23006-CCV4	081512-040	08/16/12 03:48
Calibration Blank	2H23006-CCB4	081512-041	08/16/12 04:05

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23318	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23318-CCV1	081612-003	08/16/12 14:38
Calibration Blank	2H23318-CCB1	081612-004	08/16/12 14:55
Instrument RL Check	2H23318-CRL3	081612-007	08/16/12 15:48
LCS	2H16014-BS1	081612-008	08/16/12 16:05
Blank	2H16014-BLK1	081612-009	08/16/12 16:22
GW0689	1208055-05	081612-016	08/16/12 18:24
GW0689	2H16014-MS1	081612-017	08/16/12 18:42
GW0689	2H16014-MSD1	081612-018	08/16/12 18:59
GW0689	2H16014-DUP1	081612-019	08/16/12 19:16
Calibration Check	2H23318-CCV2	081612-020	08/16/12 19:34
Calibration Blank	2H23318-CCB2	081612-021	08/16/12 19:51
GW0704	1208055-07	081612-022	08/16/12 20:09
GW0705	1208055-09	081612-023	08/16/12 20:26
GW0706	1208055-11	081612-024	08/16/12 20:44
GW0707	1208055-13	081612-025	08/16/12 21:01
GW0734	1208055-15	081612-026	08/16/12 21:18
GW0735	1208055-17	081612-027	08/16/12 21:36
GW0736	1208055-19	081612-028	08/16/12 21:53
Calibration Check	2H23318-CCV3	081612-029	08/16/12 22:11
Calibration Blank	2H23318-CCB3	081612-030	08/16/12 22:28

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23623	Instrument:	WC-Lachat
Calibration:	2236002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H23623-CAL1	M_8-23-2012_02-28-04PM-00	08/23/12 14:29
Cal Standard	2H23623-CAL2	M_8-23-2012_02-28-04PM-00	08/23/12 14:30
Cal Standard	2H23623-CAL3	M_8-23-2012_02-28-04PM-00	08/23/12 14:31
Cal Standard	2H23623-CAL4	M_8-23-2012_02-28-04PM-00	08/23/12 14:32
Cal Standard	2H23623-CAL5	M_8-23-2012_02-28-04PM-00	08/23/12 14:33
Cal Standard	2H23623-CAL6	M_8-23-2012_02-28-04PM-00	08/23/12 14:34
Cal Standard	2H23623-CAL7	M_8-23-2012_02-28-04PM-00	08/23/12 14:35
Cal Standard	2H23623-CAL8	M_8-23-2012_02-28-04PM-00	08/23/12 14:36
Initial Cal Blank	2H23623-ICB1	M_8-23-2012_02-28-04PM-01	08/23/12 14:37
Initial Cal Check	2H23623-ICV1	M_8-23-2012_02-28-04PM-00	08/23/12 14:37
LCS	2H23609-BS1	M_8-23-2012_02-28-04PM-01	08/23/12 14:39
GW0687	1208055-01	M_8-23-2012_02-28-04PM-01	08/23/12 14:40
GW0687	2H23609-MS1	M_8-23-2012_02-28-04PM-01	08/23/12 14:41
GW0688	1208055-03	M_8-23-2012_02-28-04PM-01	08/23/12 14:42
GW0688	2H23609-DUP1	M_8-23-2012_02-28-04PM-01	08/23/12 14:43
GW0689	1208055-05	M_8-23-2012_02-28-04PM-01	08/23/12 14:44
GW0704	1208055-07	M_8-23-2012_02-28-04PM-01	08/23/12 14:45
GW0705	1208055-09	M_8-23-2012_02-28-04PM-01	08/23/12 14:46
GW0706	1208055-11	M_8-23-2012_02-28-04PM-02	08/23/12 14:47
GW0707	1208055-13	M_8-23-2012_02-28-04PM-02	08/23/12 14:48
GW0734	1208055-15	M_8-23-2012_02-28-04PM-02	08/23/12 14:49
GW0735	1208055-17	M_8-23-2012_02-28-04PM-02	08/23/12 14:50
GW0736	1208055-19	M_8-23-2012_02-28-04PM-02	08/23/12 14:51
Calibration Check	2H23623-CCV1	M_8-23-2012_02-28-04PM-02	08/23/12 14:52
Calibration Blank	2H23623-CCB1	M_8-23-2012_02-28-04PM-02	08/23/12 14:53
GW0633	1208065-01	M_8-23-2012_02-28-04PM-03	08/23/12 14:56
GW0634	1208065-03	M_8-23-2012_02-28-04PM-03	08/23/12 14:57
GW0636	1208065-05	M_8-23-2012_02-28-04PM-03	08/23/12 14:58
GW0642	1208065-07	M_8-23-2012_02-28-04PM-03	08/23/12 14:59
GW0695	1208065-09	M_8-23-2012_02-28-04PM-03	08/23/12 15:00
GW0696	1208065-11	M_8-23-2012_02-28-04PM-03	08/23/12 15:01
GW0733	1208065-13	M_8-23-2012_02-28-04PM-03	08/23/12 15:02

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23623	Instrument:	WC-Lachat
Calibration:	2236002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23623-CCV2	M_8-23-2012_02-28-04PM-03	08/23/12 15:03
Calibration Blank	2H23623-CCB2	M_8-23-2012_02-28-04PM-03	08/23/12 15:04
Blank	2H23609-BLK2	M_8-23-2012_02-28-04PM-04	08/23/12 15:09
Calibration Check	2H23623-CCV3	M_8-23-2012_02-28-04PM-04	08/23/12 15:11
Calibration Blank	2H23623-CCB3	M_8-23-2012_02-28-04PM-04	08/23/12 15:12

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23628	Instrument:	WC-Lachat
Calibration:	2236003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H23628-CAL1	M_8-23-2012_05-18-10PM-00	08/23/12 17:19
Cal Standard	2H23628-CAL2	M_8-23-2012_05-18-10PM-00	08/23/12 17:20
Cal Standard	2H23628-CAL3	M_8-23-2012_05-18-10PM-00	08/23/12 17:22
Cal Standard	2H23628-CAL4	M_8-23-2012_05-18-10PM-00	08/23/12 17:23
Cal Standard	2H23628-CAL5	M_8-23-2012_05-18-10PM-00	08/23/12 17:25
Cal Standard	2H23628-CAL6	M_8-23-2012_05-18-10PM-00	08/23/12 17:26
Cal Standard	2H23628-CAL7	M_8-23-2012_05-18-10PM-00	08/23/12 17:27
Cal Standard	2H23628-CAL8	M_8-23-2012_05-18-10PM-00	08/23/12 17:29
Initial Cal Check	2H23628-ICV1	M_8-23-2012_05-18-10PM-00	08/23/12 17:30
Initial Cal Blank	2H23628-ICB1	M_8-23-2012_05-18-10PM-01	08/23/12 17:32
Blank	2H23624-BLK1	M_8-23-2012_05-18-10PM-01	08/23/12 17:35
LCS	2H23624-BS1	M_8-23-2012_05-18-10PM-01	08/23/12 17:36
GW0687	1208055-01	M_8-23-2012_05-18-10PM-01	08/23/12 17:38
GW0688	1208055-03	M_8-23-2012_05-18-10PM-01	08/23/12 17:39
GW0689	1208055-05	M_8-23-2012_05-18-10PM-01	08/23/12 17:40
GW0704	1208055-07	M_8-23-2012_05-18-10PM-01	08/23/12 17:42
GW0705	1208055-09	M_8-23-2012_05-18-10PM-01	08/23/12 17:43
GW0706	1208055-11	M_8-23-2012_05-18-10PM-01	08/23/12 17:45
GW0707	1208055-13	M_8-23-2012_05-18-10PM-02	08/23/12 17:46
GW0734	1208055-15	M_8-23-2012_05-18-10PM-02	08/23/12 17:48
GW0735	1208055-17	M_8-23-2012_05-18-10PM-02	08/23/12 17:49
GW0736	1208055-19	M_8-23-2012_05-18-10PM-02	08/23/12 17:51
Calibration Check	2H23628-CCV1	M_8-23-2012_05-18-10PM-02	08/23/12 17:56
Calibration Blank	2H23628-CCB1	M_8-23-2012_05-18-10PM-02	08/23/12 17:58
GW0736	2H23624-MS2	M_8-23-2012_05-18-10PM-03	08/23/12 18:05
GW0736	2H23624-MSD2	M_8-23-2012_05-18-10PM-03	08/23/12 18:07
Calibration Check	2H23628-CCV2	M_8-23-2012_05-18-10PM-03	08/23/12 18:08
Calibration Blank	2H23628-CCB2	M_8-23-2012_05-18-10PM-03	08/23/12 18:10
Initial Cal Check	2H23628-ICV2	M_8-23-2012_06-14-01PM-00	08/23/12 18:15
Initial Cal Blank	2H23628-ICB2	M_8-23-2012_06-14-01PM-00	08/23/12 18:16
Calibration Check	2H23628-CCV3	M_8-23-2012_06-14-01PM-00	08/23/12 18:19
Calibration Blank	2H23628-CCB3	M_8-23-2012_06-14-01PM-00	08/23/12 18:20

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H23702	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2H23702-CCV1	082212-003	08/22/12 16:18
Calibration Blank	2H23702-CCB1	082212-004	08/22/12 16:35
Instrument RL Check	2H23702-CRL1	082212-005	08/22/12 16:53
Instrument RL Check	2H23702-CRL3	082212-007	08/22/12 17:27
LCS	2H22921-BS1	082212-008	08/22/12 17:45
Blank	2H22921-BLK1	082212-009	08/22/12 18:02
GW0633	1208065-01	082212-012	08/22/12 18:54
GW0634	1208065-03	082212-013	08/22/12 19:12
GW0636	1208065-05	082212-014	08/22/12 19:29
Calibration Check	2H23702-CCV2	082212-015	08/22/12 19:47
Calibration Blank	2H23702-CCB2	082212-016	08/22/12 20:04
GW0642	1208065-07	082212-017	08/22/12 20:21
GW0695	1208065-09	082212-018	08/22/12 20:39
GW0696	1208065-11	082212-019	08/22/12 20:56
GW0733	1208065-13	082212-020	08/22/12 21:14
GW0632	1208078-01	082212-025	08/22/12 22:41
GW0637	1208078-03	082212-026	08/22/12 22:58
GW0641	1208078-05	082212-027	08/22/12 23:15
GW0694	1208078-07	082212-028	08/22/12 23:33
GW0708	1208078-09	082212-029	08/22/12 23:50
Calibration Check	2H23702-CCV3	082212-030	08/23/12 00:08
Calibration Blank	2H23702-CCB3	082212-031	08/23/12 00:25

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24202	Instrument:	WC-Lachat
Calibration:	2242001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H24202-CAL1	M_8-29-2012_09-01-08AM-00	08/29/12 09:03
Cal Standard	2H24202-CAL2	M_8-29-2012_09-01-08AM-00	08/29/12 09:04
Cal Standard	2H24202-CAL3	M_8-29-2012_09-01-08AM-00	08/29/12 09:06
Cal Standard	2H24202-CAL4	M_8-29-2012_09-01-08AM-00	08/29/12 09:07
Cal Standard	2H24202-CAL5	M_8-29-2012_09-01-08AM-00	08/29/12 09:08
Cal Standard	2H24202-CAL6	M_8-29-2012_09-01-08AM-00	08/29/12 09:10
Cal Standard	2H24202-CAL7	M_8-29-2012_09-01-08AM-00	08/29/12 09:11
Cal Standard	2H24202-CAL8	M_8-29-2012_09-01-08AM-00	08/29/12 09:13
Initial Cal Check	2H24202-ICV1	M_8-29-2012_09-01-08AM-00	08/29/12 09:14
Initial Cal Blank	2H24202-ICB1	M_8-29-2012_09-01-08AM-01	08/29/12 09:16
Blank	2H29003-BLK1	M_8-29-2012_09-01-08AM-01	08/29/12 09:19
LCS	2H29003-BS1	M_8-29-2012_09-01-08AM-01	08/29/12 09:20
GW0633	1208065-01	M_8-29-2012_09-01-08AM-01	08/29/12 09:22
GW0634	1208065-03	M_8-29-2012_09-01-08AM-01	08/29/12 09:23
GW0636	1208065-05	M_8-29-2012_09-01-08AM-01	08/29/12 09:24
GW0642	1208065-07	M_8-29-2012_09-01-08AM-01	08/29/12 09:26
GW0695	1208065-09	M_8-29-2012_09-01-08AM-01	08/29/12 09:27
GW0696	1208065-11	M_8-29-2012_09-01-08AM-01	08/29/12 09:29
GW0733	1208065-13	M_8-29-2012_09-01-08AM-02	08/29/12 09:30
GW0632	1208078-01	M_8-29-2012_09-01-08AM-02	08/29/12 09:32
GW0637	1208078-03	M_8-29-2012_09-01-08AM-02	08/29/12 09:33
GW0641	1208078-05	M_8-29-2012_09-01-08AM-02	08/29/12 09:35
Calibration Check	2H24202-CCV1	M_8-29-2012_09-01-08AM-02	08/29/12 09:36
Calibration Blank	2H24202-CCB1	M_8-29-2012_09-01-08AM-02	08/29/12 09:37
GW0694	1208078-07	M_8-29-2012_09-01-08AM-02	08/29/12 09:39
GW0708	1208078-09	M_8-29-2012_09-01-08AM-02	08/29/12 09:40
Calibration Check	2H24202-CCV2	M_8-29-2012_09-01-08AM-03	08/29/12 09:49
Calibration Blank	2H24202-CCB2	M_8-29-2012_09-01-08AM-03	08/29/12 09:51

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_060
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H24208	Instrument:	WC-Lachat
Calibration:	2242003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H24208-CAL1	M_8-29-2012_01-27-57PM-00	08/29/12 13:29
Cal Standard	2H24208-CAL2	M_8-29-2012_01-27-57PM-00	08/29/12 13:30
Cal Standard	2H24208-CAL3	M_8-29-2012_01-27-57PM-00	08/29/12 13:31
Cal Standard	2H24208-CAL4	M_8-29-2012_01-27-57PM-00	08/29/12 13:32
Cal Standard	2H24208-CAL5	M_8-29-2012_01-27-57PM-00	08/29/12 13:33
Cal Standard	2H24208-CAL6	M_8-29-2012_01-27-57PM-00	08/29/12 13:34
Cal Standard	2H24208-CAL7	M_8-29-2012_01-27-57PM-00	08/29/12 13:35
Cal Standard	2H24208-CAL8	M_8-29-2012_01-27-57PM-00	08/29/12 13:36
Initial Cal Check	2H24208-ICV1	M_8-29-2012_01-27-57PM-00	08/29/12 13:36
Initial Cal Blank	2H24208-ICB1	M_8-29-2012_01-27-57PM-01	08/29/12 13:37
Blank	2H27002-BLK1	M_8-29-2012_01-27-57PM-01	08/29/12 13:38
LCS	2H27002-BS1	M_8-29-2012_01-27-57PM-01	08/29/12 13:39
GW0632	1208078-01	M_8-29-2012_01-27-57PM-01	08/29/12 13:40
GW0637	1208078-03	M_8-29-2012_01-27-57PM-01	08/29/12 13:41
GW0641	1208078-05	M_8-29-2012_01-27-57PM-01	08/29/12 13:42
GW0694	1208078-07	M_8-29-2012_01-27-57PM-01	08/29/12 13:43
GW0708	1208078-09	M_8-29-2012_01-27-57PM-01	08/29/12 13:44
Calibration Check	2H24208-CCV1	M_8-29-2012_01-27-57PM-02	08/29/12 13:52
Calibration Blank	2H24208-CCB1	M_8-29-2012_01-27-57PM-02	08/29/12 13:53