ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_022

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

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THIS DOCUMENT MEETS DoD QSM 4.1 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.

Samples GW0245 and GW0246 were received at the laboratory outside of temperature. As per the client, GW0245 & GW0246 should be analyzed regardless of temperature. Samples GW0119, GW0120, GW0123, GW0126, GW0129, GW0129-MS, and GW0129-MSD were cancelled at the request of the client.

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. The following information is provided specific to individual methods:

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

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

SW8260B:
The method blanks 1H04007-BLK1 and 1H07001-BLK1 have positive results for Hexachlorobutadiene.

The batch spikes associated to batch 1H04007 exceeded recovery criteria with a

negative bias and relative percent difference criteria for Bromomethane, exceeded recovery criteria with a negative bias for 2,2-Dichloropropane and exceeded recovery criteria with a postivie bias for Chloroethane. The batch spikes associated to batch 1H06001 exceeded recovery criteria with a positive bias for Bromodichloromethane and exceeded relative percent difference criteria for Bromomethane. The batch spike duplicate 1H04007-BSD1 was analyzed 12 hours 10 minutes after the associated tune standard.

The matrix spikes associated to sample 1107251-01 exceeded recovery criteria with a negative bias for 2,2-Dichloropropane.

The continuing calibration verifications exceeded criteria in 1H21704-CCV1 with a negative bias for Bromomethane and with a positive bias for 1,3-Dichloropropane, 2-Hexanone, and 1,1,2,2-Tetrachloroethane, in 1H21902-CCV1 with a positive bias for Carbon Disulfide and 2-Hexanone, in 1H22105-CCV1 with a positive bias for n-Butylbenzene, Carbon Disulfide, Chloroethane, 1,3-Dichloropropane, Trans-1,3-Dichloropropene, 2-Hexanone, and Naphthalene, in 1H22109-CCV1 and 1H22403-CCV1 with a negative bias for Bromomethane and with a positive bias for Carbon Disulfide, 1,3-Dichloropropane, and 2-Hexanone, in 1H22501-CCV1 with a negative bias for Bromomethane and with positive bias for 2-Hexanone.

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

SW8270C BNA:
The surrogate 2-Fluorobiphenyl exceeded criteria with a negative bias in sample 1108078-03.

The method blanks 1H03008-BLK1, 1H09009-BLK1, and 1H10018-BLK1 have positive result for Bis(2-ethylhexyl)phthalate.

The batch spike associated to batch 1H09009 exceeded criteria with a negative bias for Caprolactam and with a positive bias for Butylbenzylphthalate, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate. The batch spikes associated to batch 1H03008 exceeded recovery criteria with a positive bias Butylbenzylphthlate, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate, with a negative bias for Caprolactam, and exceeded relative percent difference criteria for 2,4-Dinitrophenol and Hexachlorocyclopentadiene. The batch spike associated to batch 1H10018 exceeded criteria with a negative bias for Caprolactam and with a positive bias for Butylbenzylphthalate and Bis(2-ethylhexyl)phthalate.

The initial calibration verification 1E12203-ICV3 exceeded criteria with a positive bias for 2,4-Dinitrophenol.

The continuing calibration verifications exceeded criteria in 1H22707-CCV1 with a positive bias for Benzidine, Butylbenzylphthalate, 2,2'-Oxybis-1-chloropropane, Di-n-octylphthalate, Bis(2-ethylhexyl)phthalate, 4-Methylphenol, Pyrene, and

Terphenyl-d14 and with a negative bias Hexachlorobutadiene, in 1H23104-CCV1 with a positive bias for Benzidine, Butylbenzylphthalate, 2,2'-Oxybis-1-chloropropane, Terphenyl-d14, Di-n-octylphthalate, Pyrene, and Bis(2-ethylhexyl)phthalate and with a negative bias for Hexachlorocyclopentadiene, in 1H23110-CCV1 with a positive bias for Benzo(b)fluoranthene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Di-n-octylphthalate, Bis(2-ethylhexyl)phthalate, and Pyrene, in 1H23202-CCV1 with a positive bias for Butylbenzylphthalate, 2,2'-Oxybis-1-chloropropane, Terphenyl-d14, Di-n-octylphthalate, Pyrene, and Bis(2-ethylhexyl)phthalate and with a negative bias for Hexachlorocyclopentadiene, in 1H23409-CCV1 with a negative bias for Atrazine and Benzaldehyde and with a positive bias for Butylbenzylphthalate, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate, and in 1H23536-CCV1 and 1H23537-CCV1 with a positive bias for Butylbenzylphthalate, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate.

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

SW8015B GRO:
The continuing calibration verifications exceeded criteria in 1H22404-CCV1, -CCV2, and –CCV3 with a positive bias for Bromofluorobenzene and Gasoline Range Organics. Due to the high bias for Bromofluorobenzene in the CCVs surrounding the following batch QC and samples, the surrogate recoveries were exceeded with a positive bias: 1108109-01, -03, -05, -07, 1108046-09, -11, -13, 1H08009-BLK1, -BS1, and –BSD1.

The batch spikes associated to batch 1H08009 exceeded criteria with a positive bias for Gasoline Range Organics.

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

SW8015B DRO:
No anomalies or deviations are noted.

SW8011 EDB:
The batch spike associated to batch 1H12014 exceeded criteria with a positive bias on column 1 for 1,2-Dibromoethane.

The continuing calibration verifications exceeded criteria in 1H22907-CCV2, CCV4, 1H22910-CCV1, -CCV2, and –CCV3 with a positive bias on column 1 for 1,2-Dibromoethane.

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

SW6010B:
The continuing calibration verifications exceeded criteria in 1H22409-CCV2 with a positive bias for Iron (dissolved), and in 1H22409-CCV3 and –CCV4 with a positive bias

for Manganese (dissolved) and Potassium.

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

Wet Chemistry:
Samples 1108019-01, -03, -05, -07, 1108046-09, -11, -13, 1108056-03, -05, 1108078-01, -03, 1108097-01, and -03 are qualified with an M for Chloride (1.0mg/L) and 1108019-01, -03, -05, -07, 1108046-09, -11, -13, 1108056-03, -05, 1108078-01, and -03 are qualified with an M for Sulfate as SO4 (2.5mg/L) to indicate that the LOQ was raised to the level indicated which is the level of the RL standard within criteria.

The method blank 1H04011-BLK1 and the continuing calibration blank 1H21702-CCB2 have positive results for Chloride.

Samples 1108019-01, -03, -05, and -07 were analyzed after the method recommended holding time for Ammonia 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

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.1 reporting purposes, this definition is also applied to the reported Detection Limit (DL).

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.1 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 4.1 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

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

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard failed criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

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

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

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

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

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

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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW084

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

Samples Shipment Date: 01 AUG 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614579

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) [signature] Shaw — Date: 8/1/11 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) Reginald Talley 1.9°C — Date: 8.2.11 Time: 0900

Comments:

1108019

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
02	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

Kirtland_022 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW084

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0192	KAFB-106062-WG-GW0192-REG	01 AUG 2011	12:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-04	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0193	KAFB-106062-WG-GW0193-FD	01 AUG 2011	12:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-05	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-06	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-05	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0194	KAFB-106063-WG-GW0194-REG	01 AUG 2011	15:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW084

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-07	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-08	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-07	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0225	KAFB-106090-WG-GW0225-REG	01 AUG 2011	14:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-09	GW8084-TB	FIELDQC-BW-GW8084-TB-TB	01 AUG 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108019 Number of Coolers: 1 of 3

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.2.11 0900 Date cooler(s) opened: 8.2.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 4579

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 2 Seal date: 8.1.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.5 °C Correction Factor: +1.4 °C Final Value: 1.9 °C

Dates samples were logged-in: 8.2.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108219 Number of Coolers: 2 of 3

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.2.11 0900 Date cooler(s) opened: 8.2.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 4580

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 2 Seal date: 8.1.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.2 °C Correction Factor: +1.4 °C Final Value: 2.6 °C

Dates samples were logged-in: 8.2.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg. 1

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140-GW085

17

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

Samples Shipment Date: 02 AUG 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614811

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) [signature] Shaw — Date: 8/2/11 Time: 1600
1. Received By (Signature/Affiliation) — Date: Time:
2. Relinquished By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) [signature] 2.5° — Date: 8/1/11 Time: 1700

Comments:

1108046

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-02	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-01	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Kirtland_022 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140-GW085

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0119	KAFB-003-WG-GW0119-FD	02 AUG 2011	08:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-03	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-04	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0120	KAFB-003-WG-GW0120-REG	02 AUG 2011	08:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-05	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-06	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-05	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0123	KAFB-015-WG-GW0123-REG	02 AUG 2011	10:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140-GW085

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-07	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-08	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-07	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0126	KAFB-016-WG-GW0126-REG	02 AUG 2011	09:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-09	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-10	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-09	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0222	KAFB-106088-WG-GW0222-REG	02 AUG 2011	10:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-11	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140-GW085

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-12	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-11	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0223	KAFB-106088-WG-GW0223-FD	02 AUG 2011	10:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-13	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-14	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-13	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW8022-RB	FIELDQC-BW-GW8022-RB-ER	02 AUG 2011	08:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-15	GW8023-AB	FIELDQC-BW-GW8023-AB-AB	02 AUG 2011	10:41	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
-16	GW8085-TB	FIELDQC-BW-GW8085-TB-TB	02 AUG 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108046 Number of Coolers: 1 of 4

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.3.11 0900 Date cooler(s) opened: 8.3.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: 4811

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.2.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.1 °C Correction Factor: +1.4 °C Final Value: 2.5 °C

Dates samples were logged-in: 8.3.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

Ph for NO2+NO3, Ammonia, and metals were <2

Ph for sulfide was >9

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108046 Number of Coolers: 2 of 4

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.3.11 0900 Date cooler(s) opened: 8.3.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered

EL Courier Other: _____

If applicable, enter airbill number here: 4822

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.2.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A

4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A

5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A

6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A

7. Was project identifiable from custody papers? ..... Yes No N/A

8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.7 °C Correction Factor: +1.4 °C Final Value: 2.1 °C

Dates samples were logged-in: 8.3.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A

11. Did all bottles arrive unbroken? ..... Yes No N/A

12. Was all required bottle label information complete? ..... Yes No N/A

13. Did all bottle labels agree with custody papers? ..... Yes No N/A

14. Were correct containers used for the analyses indicated? ..... Yes No N/A

15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A

16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A

17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A

18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg 1

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108046 Number of Coolers: 3 of 4

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.3.11 0900 Date cooler(s) opened: 8.3.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: 4833

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.2.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.7 °C Correction Factor: +1.4 °C Final Value: 3.1 °C

Dates samples were logged-in: 8.3.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg 1

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108046 Number of Coolers: 4 of 4

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.3.11 0900 Date cooler(s) opened: 8.3.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered

EL Courier Other: _____

If applicable, enter airbill number here: 4844

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.2.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A

4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A

5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A

6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A

7. Was project identifiable from custody papers? ..... Yes No N/A

8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.3 °C Correction Factor: +1.4 °C Final Value: 2.7 °C

Dates samples were logged-in: 8.3.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A

11. Did all bottles arrive unbroken? ..... Yes No N/A

12. Was all required bottle label information complete? ..... Yes No N/A

13. Did all bottle labels agree with custody papers? ..... Yes No N/A

14. Were correct containers used for the analyses indicated? ..... Yes No N/A

15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A

16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A

17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A

18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg 1

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW086

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

Samples Shipment Date: 03 AUG 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614855

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Date: 8-3-11 Time: 1600 hrs
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) 2.2.α Date: 8.4.11 Time 09:00

Comments:

1108056

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	1000 mL A GLASS	4	None except cool to 4 C	SVOCs by SW846 8270C, PAHs by SW846 8270C (Low Level - SIM)			N		
GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW086

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-02	GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-01	GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0129	ST106-VA2-WG-GW0129-REG	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	1000 mL A GLASS	4	None except cool to 4 C	SVOCs by SW846 8270C, PAHs by SW846 8270C (Low Level - SIM)			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-02	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-01	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0129-MS	ST106-VA2-WG-GW0129-MS-MS	03 AUG 2011	09:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	1000 mL A GLASS	4	None except cool to 4 C	SVOCs by SW846 8270C, PAHs by SW846 8270C (Low Level - SIM)			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-01	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW086

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-02	GW0129-MSD	ST106-VA2-WG-GW0129-MSD-MSD	03 AUG 2011	09:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0224	KAFB-106089-WG-GW0224-REG	03 AUG 2011	14:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
-05	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-06	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-05	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0228	KAFB-106093-WG-GW0228-REG	03 AUG 2011	15:10	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-07	GW8086-TB	FIELDQC-BW-GW8086-TB-TB	03 AUG 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 11108056 Number of Coolers: 1 of 4

Client: Shaw Project: Kirtland

Date/Time Received: 8.4.11 0900 Date cooler(s) opened: 8.4.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: 4855

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.3.11 Seal Initials: RT

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.8 °C Correction Factor: +1.4 °C Final Value: 2.2 °C

Dates samples were logged-in: 8.4.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

Ph for NO2+NO3, Ammonia, and metals were <2

Ph for sulfide was >9

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108056 Number of Coolers: 2 of 4

Client: Shaw Project: Kirtland

Date/Time Received: 8.4.11 0900 Date cooler(s) opened: 8.4.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: 4866

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.3.11 Seal Initials: RT

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.8 °C Correction Factor: +1.4 °C Final Value: 3.2 °C

Dates samples were logged-in: 8.4.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg. 1

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108056 Number of Coolers: 3 of 4

Client: Shaw Project: Kirtland

Date/Time Received: 8.4.11 0900 Date cooler(s) opened: 8.4.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 4877

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.3.11 Seal Initials: RT

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.2 °C Correction Factor: +1.4 °C Final Value: 2.6 °C

Dates samples were logged-in: 8.4.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg 1

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108056 Number of Coolers: 4 of 4

Client: Shaw Project: Kirtland

Date/Time Received: 8.4.11 0900 Date cooler(s) opened: 8.4.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
EL Courier Other: _____

If applicable, enter airbill number here: 4888

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.3.11 Seal Initials: RT

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough Ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 2.0 °C Correction Factor: +1.4 °C Final Value: 3.4 °C

Dates samples were logged-in: 8.4.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT

10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

See pg 1

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW087

32

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

Samples Shipment Date: 04 AUG 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614903

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 8/4/11 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) Reginald Falley Date: 8.5.11 Time: 0900

Comments:

1108078

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

Kirtland_022 Summ Package

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW087

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0226	KAFB-106091-WG-GW0226-REG	04 AUG 2011	14:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0227	KAFB-106092-WG-GW0227-REG	04 AUG 2011	11:28	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
-05	GW8087-TB	FIELDQC-BW-GW8087-TB-TB	04 AUG 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108078 Number of Coolers: 1 of 1

Client: Shaw Project: Kirtland AFB

Date/Time Received: 8.5.11 0900 Date cooler(s) opened: 8.5.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 4903

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8.4.11 Seal Initials: RT

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.8 °C Correction Factor: +1.4 °C Final Value: 3.2 °C

Dates samples were logged-in: 8.5.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

Ph for NO2+NO3, Ammonia, and metals were <2
Ph for sulfide was >9

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW088

35

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

Samples Shipment Date: 05 AUG 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614914

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw — Date: 8/5/11 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) 3.5°C — Date: 8-6-11 Time: 10:30

Comments:

110807

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW088

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-02	GW0245	KAFB-106104-WG-GW0245-REG	05 AUG 2011	13:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	40 mL VOA VIAL	2	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0246	KAFB-106104-WG-GW0246-FD	05 AUG 2011	13:24	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-05	GW8024-AB	FIELDQC-BW-GW8024-AB-AB	05 AUG 2011	13:24	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
-06	GW8088-TB	FIELDQC-BW-GW8088-TB-TB	05 AUG 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108097 Number of Coolers: 1 of 2

Client: Shaw E&I Project: Kirtland

Date/Time Received: 8-6-11 / 10:30 Date cooler(s) opened: 8-6-11

Opened By (print): Chris Ponath (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 4883 0661 4914

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8-5-11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 2.1 °C Correction Factor: +1.4 °C Final Value: 3.5 °C

Dates samples were logged-in: 8-8-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Ponath (Initial): CP
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

*pH >9 for all Sulfides
*pH <2 for all NO_2+NO_3, Ammonia, & Metals samples

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108097 Number of Coolers: 2 of 2

Client: Shaw E&I Project: Kirtland AFB

Date/Time Received: 8-8-11/09:00 Date cooler(s) opened: 8-8-

Opened By (print): Chris Ronald (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: _____

If applicable, enter airbill number here: 4925

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 8-5-11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 10.8 °C Correction Factor: +1.4 °C Final Value: 12.2 °C

Dates samples were logged-in: 8-8-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Ronald (Initial): CR
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

* for Sample IDs GW0245, & GW0246 we received the following Containers: 2H + 1CNI + 1CNF + 1C2N + 1C

WORK ORDER

1108019

Printed: 9/2/2011 1:02:11PM

Empirical Laboratories, LLC

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

Project Manager: **Sonya Gordon**
Project Number: **SHW_Kirtland**

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

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

Date Due: 08/23/2011 16:00 (15 day TAT)

Received By: Reginald Talley
Logged In By: Reginald Talley

Date Received: 08/02/2011 09:00
Date Logged In 08/02/2011 12:18

Samples Received at: **1.9°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1108019

Printed: 9/2/2011 1:02:11PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108019-01 GW0192 [Water] Sampled 08/01/2011 12:01 Mountain					
SM2320B	08/18/2011 14:00	15	08/15/2011 13:01		carb/bicarb
SW8015B DRO	08/18/2011 14:00	15	08/08/2011 13:01		
SW8011	08/18/2011 14:00	15	08/15/2011 13:01		
SW8270C	08/18/2011 14:00	15	08/08/2011 13:01		requires 3-Methlphenol/4-Methylphenol
SW6010B	08/18/2011 14:00	15	01/28/2012 13:01		Ca, Pb, K, Na, Mg
SW8260B	08/18/2011 14:00	15	08/15/2011 13:01		
SM4500NH3BG	08/18/2011 14:00	15	08/29/2011 13:01		
E300.0	08/18/2011 14:00	15	08/29/2011 13:01		Cl, SO4
E353.2	08/18/2011 14:00	15	08/29/2011 13:01		
SM4500S2CF	08/18/2011 14:00	15	08/08/2011 13:01		
SW8015B GRO	08/18/2011 14:00	15	08/15/2011 13:01		
1108019-02 GW0192 [Water] Sampled 08/01/2011 12:01 Mountain					
SW6010B	08/18/2011 14:00	15	01/28/2012 13:01		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108019

Printed: 9/2/2011 1:02:11PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108019-03 GW0193 [Water] Sampled 08/01/2011 12:01 Mountain					
SM4500NH3BG	08/18/2011 14:00	15	08/29/2011 13:01		
SM2320B	08/18/2011 14:00	15	08/15/2011 13:01		carb/bicarb
SW8260B	08/18/2011 14:00	15	08/15/2011 13:01		
SW8015B GRO	08/18/2011 14:00	15	08/15/2011 13:01		
SW8270C	08/18/2011 14:00	15	08/08/2011 13:01		requires 3-Methlphenol/4-Methylphenol
SW8011	08/18/2011 14:00	15	08/15/2011 13:01		
SW8015B DRO	08/18/2011 14:00	15	08/08/2011 13:01		
SW6010B	08/18/2011 14:00	15	01/28/2012 13:01		Ca, Pb, K, Na, Mg
E300.0	08/18/2011 14:00	15	08/29/2011 13:01		Cl, SO4
E353.2	08/18/2011 14:00	15	08/29/2011 13:01		
SM4500S2CF	08/18/2011 14:00	15	08/08/2011 13:01		
1108019-04 GW0193 [Water] Sampled 08/01/2011 12:01 Mountain					
SW6010B	08/18/2011 14:00	15	01/28/2012 13:01		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108019

Printed: 9/2/2011 1:02:11PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108019-05 GW0194 [Water] Sampled 08/01/2011 15:10 Mountain					
SW8260B	08/18/2011 14:00	15	08/15/2011 16:10		
SW8015B DRO	08/18/2011 14:00	15	08/08/2011 16:10		
SM4500NH3BG	08/18/2011 14:00	15	08/29/2011 16:10		
SW8270C	08/18/2011 14:00	15	08/08/2011 16:10		requires 3-Methlphenol/4-Methylphenol
SM2320B	08/18/2011 14:00	15	08/15/2011 16:10		carb/bicarb
SW8011	08/18/2011 14:00	15	08/15/2011 16:10		
E300.0	08/18/2011 14:00	15	08/29/2011 16:10		Cl, SO4
E353.2	08/18/2011 14:00	15	08/29/2011 16:10		
SM4500S2CF	08/18/2011 14:00	15	08/08/2011 16:10		
SW8015B GRO	08/18/2011 14:00	15	08/15/2011 16:10		
SW6010B	08/18/2011 14:00	15	01/28/2012 16:10		Ca, Pb, K, Na, Mg
1108019-06 GW0194 [Water] Sampled 08/01/2011 15:10 Mountain					
SW6010B	08/18/2011 14:00	15	01/28/2012 16:10		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108019

Printed: 9/2/2011 1:02:11PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108019-07 GW0225 [Water] Sampled 08/01/2011 14:25 Mountain					
SM2320B	08/18/2011 14:00	15	08/15/2011 15:25		carb/bicarb
SW6010B	08/18/2011 14:00	15	01/28/2012 15:25		Ca, Pb, K, Na, Mg
SW8015B DRO	08/18/2011 14:00	15	08/08/2011 15:25		
SW8011	08/18/2011 14:00	15	08/15/2011 15:25		
SW8270C	08/18/2011 14:00	15	08/08/2011 15:25		requires 3-Methlphenol/4-Methylphenol
SW8260B	08/18/2011 14:00	15	08/15/2011 15:25		
SM4500NH3BG	08/18/2011 14:00	15	08/29/2011 15:25		
E300.0	08/18/2011 14:00	15	08/29/2011 15:25		Cl, SO4
E353.2	08/18/2011 14:00	15	08/29/2011 15:25		
SM4500S2CF	08/18/2011 14:00	15	08/08/2011 15:25		
SW8015B GRO	08/18/2011 14:00	15	08/15/2011 15:25		
1108019-08 GW0225 [Water] Sampled 08/01/2011 14:25 Mountain					
SW6010B	08/18/2011 14:00	15	01/28/2012 15:25		Fe & Mn, Field Filtered and Preserved
1108019-09 GW8084-TB [Water] Sampled 08/01/2011 08:00 Mountain					
SW8260B	08/18/2011 14:00	15	08/15/2011 09:00		

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: **Sonya Gordon**
Project Number: **SHW_Kirtland**

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

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

Date Due: 08/24/2011 16:00 (15 day TAT)

Received By: Reginald Talley
Logged In By: Reginald Talley

Date Received: 08/03/2011 09:00
Date Logged In 08/03/2011 13:20

Samples Received at: **2.5°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-01 GW0119 [Water] Sampled 08/02/2011 08:55 Mountain					
SW8015B DRO (Cancelled)	08/24/2011 14:00	15	08/09/2011 09:55		LOW SAMPLE VOLUME
SM2320B (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		carb/bicarb
SM4500NH3BG (Cancelled)	08/24/2011 14:00	15	08/30/2011 09:55		
E300.0 (Cancelled)	08/24/2011 14:00	15	08/30/2011 09:55		Cl, SO4
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 09:55		Ca, Pb, K, Na, Mg
E353.2 (Cancelled)	08/24/2011 14:00	15	08/30/2011 09:55		
SM4500S2CF (Cancelled)	08/24/2011 14:00	15	08/09/2011 09:55		
SW8260B (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		
SW8011 (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		
SW8270C (Cancelled)	08/24/2011 14:00	15	08/09/2011 09:55		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		LOW SAMPLE VOLUME
1108046-02 GW0119 [Water] Sampled 08/02/2011 08:55 Mountain					
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 09:55		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-03 GW0120 [Water] Sampled 08/02/2011 08:55 Mountain					
SW8015B GRO (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 09:55		Ca, Pb, K, Na, Mg
SW8260B (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		
SW8270C (Cancelled)	08/24/2011 14:00	15	08/09/2011 09:55		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SM2320B (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		carb/bicarb
SM4500NH3BG (Cancelled)	08/24/2011 14:00	15	08/30/2011 09:55		
E300.0 (Cancelled)	08/24/2011 14:00	15	08/30/2011 09:55		Cl, SO4
E353.2 (Cancelled)	08/24/2011 14:00	15	08/30/2011 09:55		
SM4500S2CF (Cancelled)	08/24/2011 14:00	15	08/09/2011 09:55		
SW8011 (Cancelled)	08/24/2011 14:00	15	08/16/2011 09:55		
SW8015B DRO (Cancelled)	08/24/2011 14:00	15	08/09/2011 09:55		LOW SAMPLE VOLUME
1108046-04 GW0120 [Water] Sampled 08/02/2011 08:55 Mountain					
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 09:55		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-05 GW0123 [Water] Sampled 08/02/2011 10:36 Mountain					
SW8011 (Cancelled)	08/24/2011 14:00	15	08/16/2011 11:36		
SM4500NH3BG (Cancelled)	08/24/2011 14:00	15	08/30/2011 11:36		
E300.0 (Cancelled)	08/24/2011 14:00	15	08/30/2011 11:36		Cl, SO4
E353.2 (Cancelled)	08/24/2011 14:00	15	08/30/2011 11:36		
SM4500S2CF (Cancelled)	08/24/2011 14:00	15	08/09/2011 11:36		
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 11:36		Ca, Pb, K, Na, Mg
SW8015B DRO (Cancelled)	08/24/2011 14:00	15	08/09/2011 11:36		LOW SAMPLE VOLUME
SM2320B (Cancelled)	08/24/2011 14:00	15	08/16/2011 11:36		carb/bicarb
SW8015B GRO (Cancelled)	08/24/2011 14:00	15	08/16/2011 11:36		
SW8270C (Cancelled)	08/24/2011 14:00	15	08/09/2011 11:36		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8260B (Cancelled)	08/24/2011 14:00	15	08/16/2011 11:36		
1108046-06 GW0123 [Water] Sampled 08/02/2011 10:36 Mountain					
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 11:36		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-07 GW0126 [Water] Sampled 08/02/2011 09:58 Mountain					
SW8011 (Cancelled)	08/24/2011 14:00	15	08/16/2011 10:58		
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 10:58		Ca, Pb, K, Na, Mg
SW8015B DRO (Cancelled)	08/24/2011 14:00	15	08/09/2011 10:58		LOW SAMPLE VOLUME
E300.0 (Cancelled)	08/24/2011 14:00	15	08/30/2011 10:58		Cl, SO4
E353.2 (Cancelled)	08/24/2011 14:00	15	08/30/2011 10:58		
SM4500S2CF (Cancelled)	08/24/2011 14:00	15	08/09/2011 10:58		
SW8015B GRO (Cancelled)	08/24/2011 14:00	15	08/16/2011 10:58		LOW SAMPLE VOLUME
SW8260B (Cancelled)	08/24/2011 14:00	15	08/16/2011 10:58		
SM4500NH3BG (Cancelled)	08/24/2011 14:00	15	08/30/2011 10:58		
SM2320B (Cancelled)	08/24/2011 14:00	15	08/16/2011 10:58		carb/bicarb
SW8270C (Cancelled)	08/24/2011 14:00	15	08/09/2011 10:58		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
1108046-08 GW0126 [Water] Sampled 08/02/2011 09:58 Mountain					
SW6010B (Cancelled)	08/24/2011 14:00	15	01/29/2012 10:58		Fe & Mn, Field Filtered and Preserved

WORK ORDER

Printed: 9/2/2011 1:03:44PM

1108046

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-09 GW0222 [Water] Sampled 08/02/2011 10:41 Mountain					
SM4500NH3BG	08/24/2011 14:00	15	08/30/2011 11:41		
SM4500S2CF	08/24/2011 14:00	15	08/09/2011 11:41		
E300.0	08/24/2011 14:00	15	08/30/2011 11:41		Cl, SO4
SM2320B	08/24/2011 14:00	15	08/16/2011 11:41		carb/bicarb
SW8260B	08/24/2011 14:00	15	08/16/2011 11:41		
SW8015B DRO	08/24/2011 14:00	15	08/09/2011 11:41		LOW SAMPLE VOLUME
SW8270C	08/24/2011 14:00	15	08/09/2011 11:41		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW6010B	08/24/2011 14:00	15	01/29/2012 11:41		Ca, Pb, K, Na, Mg
SW8011	08/24/2011 14:00	15	08/16/2011 11:41		
SW8015B GRO	08/24/2011 14:00	15	08/16/2011 11:41		
E353.2	08/24/2011 14:00	15	08/30/2011 11:41		
1108046-10 GW0222 [Water] Sampled 08/02/2011 10:41 Mountain					
SW6010B	08/24/2011 14:00	15	01/29/2012 11:41		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-11 GW0223 [Water] Sampled 08/02/2011 10:41 Mountain					
SM4500S2CF	08/24/2011 14:00	15	08/09/2011 11:41		
SW8011	08/24/2011 14:00	15	08/16/2011 11:41		
SW8270C	08/24/2011 14:00	15	08/09/2011 11:41		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO	08/24/2011 14:00	15	08/16/2011 11:41		
SW8260B	08/24/2011 14:00	15	08/16/2011 11:41		
SM2320B	08/24/2011 14:00	15	08/16/2011 11:41		carb/bicarb
SM4500NH3BG	08/24/2011 14:00	15	08/30/2011 11:41		
E300.0	08/24/2011 14:00	15	08/30/2011 11:41		Cl, SO4
E353.2	08/24/2011 14:00	15	08/30/2011 11:41		
SW6010B	08/24/2011 14:00	15	01/29/2012 11:41		Ca, Pb, K, Na, Mg
SW8015B DRO	08/24/2011 14:00	15	08/09/2011 11:41		LOW SAMPLE VOLUME
1108046-12 GW0223 [Water] Sampled 08/02/2011 10:41 Mountain					
SW6010B	08/24/2011 14:00	15	01/29/2012 11:41		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108046

Printed: 9/2/2011 1:03:44PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108046-13 GW8022-RB [Water] Sampled 08/02/2011 08:20 Mountain					
SM4500S2CF	08/24/2011 14:00	15	08/09/2011 09:20		
SW6010B	08/24/2011 14:00	15	01/29/2012 09:20		Ca, Pb, K, Na, Mg
SW8015B DRO	08/24/2011 14:00	15	08/09/2011 09:20		LOW SAMPLE VOLUME
SW8011	08/24/2011 14:00	15	08/16/2011 09:20		
SW8270C	08/24/2011 14:00	15	08/09/2011 09:20		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO	08/24/2011 14:00	15	08/16/2011 09:20		
SW8260B	08/24/2011 14:00	15	08/16/2011 09:20		
SM2320B	08/24/2011 14:00	15	08/16/2011 09:20		carb/bicarb
SM4500NH3BG	08/24/2011 14:00	15	08/30/2011 09:20		
E300.0	08/24/2011 14:00	15	08/30/2011 09:20		Cl, SO4
E353.2	08/24/2011 14:00	15	08/30/2011 09:20		
1108046-14 GW8022-RB [Water] Sampled 08/02/2011 08:20 Central					
SW6010B	08/24/2011 14:00	15	01/29/2012 08:20		Fe & Mn, Field Filtered and Preserved
1108046-15 GW8023-AB [Water] Sampled 08/02/2011 10:41 Mountain					
SW8260B	08/24/2011 14:00	15	08/16/2011 11:41		
1108046-16 GW8085-TB [Water] Sampled 08/02/2011 08:00 Mountain					
SW8260B	08/24/2011 14:00	15	08/16/2011 09:00		

WORK ORDER

Printed: 9/2/2011 1:04:55PM

1108056

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

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

Date Due: 08/25/2011 16:00 (15 day TAT)

Received By: Reginald Talley
Date Received: 08/04/2011 09:00

Logged In By: Reginald Talley
Date Logged In 08/04/2011 12:56

Samples Received at: **2.2°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1108056

Printed: 9/2/2011 1:04:55PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108056-01 GW0129 [Water] Sampled 08/03/2011 09:55 Mountain					**MS/MSD**
SW8260B	08/22/2011 14:00	15	08/17/2011 10:55		
SW6010B (Cancelled)	08/22/2011 14:00	15	01/30/2012 10:55		Ca, Pb, K, Na, Mg
SM4500S2CF (Cancelled)	08/22/2011 14:00	15	08/10/2011 10:55		
E353.2 (Cancelled)	08/22/2011 14:00	15	08/31/2011 10:55		
E300.0 (Cancelled)	08/22/2011 14:00	15	08/31/2011 10:55		Cl, SO4
SM2320B (Cancelled)	08/22/2011 14:00	15	08/17/2011 10:55		carb/bicarb
SW8015B GRO (Cancelled)	08/22/2011 14:00	15	08/17/2011 10:55		
SW8270C (Cancelled)	08/22/2011 14:00	15	08/10/2011 10:55		
SW8270C	08/22/2011 14:00	15	08/10/2011 10:55		requires 3-Methlphenol/4-Methylphenol
SW8011 (Cancelled)	08/22/2011 14:00	15	08/17/2011 10:55		
SW8015B DRO (Cancelled)	08/22/2011 14:00	15	08/10/2011 10:55		LOW SAMPLE VOLUME
SM4500NH3BG (Cancelled)	08/22/2011 14:00	15	08/31/2011 10:55		
1108056-02 GW0129 [Water] Sampled 08/03/2011 09:55 Mountain					**MS/MSD**
SW6010B (Cancelled)	08/22/2011 14:00	15	01/30/2012 10:55		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108056

Printed: 9/2/2011 1:04:55PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108056-03 GW0224 [Water] Sampled 08/03/2011 14:55 Mountain					
SW8011	08/22/2011 14:00	15	08/17/2011 15:55		
E300.0	08/22/2011 14:00	15	08/31/2011 15:55		Cl, SO4
SW8015B DRO	08/22/2011 14:00	15	08/10/2011 15:55		LOW SAMPLE VOLUME
SW8015B GRO	08/22/2011 14:00	15	08/17/2011 15:55		
SW8260B	08/22/2011 14:00	15	08/17/2011 15:55		
SM2320B	08/22/2011 14:00	15	08/17/2011 15:55		carb/bicarb
SM4500NH3BG	08/22/2011 14:00	15	08/31/2011 15:55		
E353.2	08/22/2011 14:00	15	08/31/2011 15:55		
SM4500S2CF	08/22/2011 14:00	15	08/10/2011 15:55		
SW8270C	08/22/2011 14:00	15	08/10/2011 15:55		requires 3-Methlphenol/4-Methylphenol
SW6010B	08/22/2011 14:00	15	01/30/2012 15:55		Ca, Pb, K, Na, Mg
1108056-04 GW0224 [Water] Sampled 08/03/2011 14:55 Mountain					
SW6010B	08/22/2011 14:00	15	01/30/2012 15:55		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108056

Printed: 9/2/2011 1:04:55PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108056-05 GW0228 [Water] Sampled 08/03/2011 15:10 Mountain					
SW8015B DRO	08/22/2011 14:00	15	08/10/2011 16:10		LOW SAMPLE VOLUME
SM4500NH3BG	08/22/2011 14:00	15	08/31/2011 16:10		
E353.2	08/22/2011 14:00	15	08/31/2011 16:10		
SM4500S2CF	08/22/2011 14:00	15	08/10/2011 16:10		
SM2320B	08/22/2011 14:00	15	08/17/2011 16:10		carb/bicarb
SW8260B	08/22/2011 14:00	15	08/17/2011 16:10		
SW8015B GRO	08/22/2011 14:00	15	08/17/2011 16:10		
SW8011	08/22/2011 14:00	15	08/17/2011 16:10		
SW6010B	08/22/2011 14:00	15	01/30/2012 16:10		Ca, Pb, K, Na, Mg
E300.0	08/22/2011 14:00	15	08/31/2011 16:10		Cl, SO4
SW8270C	08/22/2011 14:00	15	08/10/2011 16:10		requires 3-Methlphenol/4-Methylphenol
1108056-06 GW0228 [Water] Sampled 08/03/2011 15:10 Mountain					
SW6010B	08/22/2011 14:00	15	01/30/2012 16:10		Fe & Mn, Field Filtered and Preserved
1108056-07 GW8086-TB [Water] Sampled 08/03/2011 08:00 Mountain					
SW8260B	08/22/2011 14:00	15	08/17/2011 09:00		

WORK ORDER

1108078

Printed: 9/2/2011 1:06:06PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

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

Date Due: 08/26/2011 16:00 (15 day TAT)

Received By: Reginald Talley
Date Received: 08/05/2011 09:00

Logged In By: Reginald Talley
Date Logged In 08/05/2011 09:41

Samples Received at: **3.2°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1108078

Printed: 9/2/2011 1:06:06PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108078-01 GW0226 [Water] Sampled 08/04/2011 14:58 Mountain					
SW8015B DRO	08/23/2011 14:00	15	08/11/2011 15:58		LOW SAMPLE VOLUME
SW8011	08/23/2011 14:00	15	08/18/2011 15:58		
SW8270C	08/23/2011 14:00	15	08/11/2011 15:58		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO	08/23/2011 14:00	15	08/18/2011 15:58		
SW8260B	08/23/2011 14:00	15	08/18/2011 15:58		
SM2320B	08/23/2011 14:00	15	08/18/2011 15:58		carb/bicarb
SM4500NH3BG	08/23/2011 14:00	15	09/01/2011 15:58		
E300.0	08/23/2011 14:00	15	09/01/2011 15:58		Cl, SO4
E353.2	08/23/2011 14:00	15	09/01/2011 15:58		
SM4500S2CF	08/23/2011 14:00	15	08/11/2011 15:58		
SW6010B	08/23/2011 14:00	15	01/31/2012 15:58		Ca, Pb, K, Na, Mg
1108078-02 GW0226 [Water] Sampled 08/04/2011 14:58 Mountain					
SW6010B	08/23/2011 14:00	15	01/31/2012 15:58		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108078

Printed: 9/2/2011 1:06:06PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108078-03 GW0227 [Water] Sampled 08/04/2011 11:28 Mountain					
SW8015B DRO	08/23/2011 14:00	15	08/11/2011 12:28		LOW SAMPLE VOLUME
SW8011	08/23/2011 14:00	15	08/18/2011 12:28		
SW8270C	08/23/2011 14:00	15	08/11/2011 12:28		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO	08/23/2011 14:00	15	08/18/2011 12:28		
SW8260B	08/23/2011 14:00	15	08/18/2011 12:28		
SM2320B	08/23/2011 14:00	15	08/18/2011 12:28		carb/bicarb
SM4500NH3BG	08/23/2011 14:00	15	09/01/2011 12:28		
E300.0	08/23/2011 14:00	15	09/01/2011 12:28		Cl, SO4
E353.2	08/23/2011 14:00	15	09/01/2011 12:28		
SM4500S2CF	08/23/2011 14:00	15	08/11/2011 12:28		
SW6010B	08/23/2011 14:00	15	01/31/2012 12:28		Ca, Pb, K, Na, Mg
1108078-04 GW0227 [Water] Sampled 08/04/2011 11:28 Mountain					
SW6010B	08/23/2011 14:00	15	01/31/2012 12:28		Fe & Mn, Field Filtered and Preserved
1108078-05 GW8087-TB [Water] Sampled 08/04/2011 08:00 Mountain					
SW8260B	08/23/2011 14:00	15	08/18/2011 09:00		

WORK ORDER

1108097

Printed: 9/2/2011 1:07:01PM

Empirical Laboratories, LLC

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

Project Manager: **Sonya Gordon**
Project Number: **SHW_Kirtland**

Report To:
Shaw E & I (I700)
Pamela Moss
7604 Technology Way, Suite 300
Denver, CO 80237
Phone: (720) 554-8252
Fax: (225) 932-2661

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

Date Due: 08/29/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 08/08/2011 09:00

Date Logged In 08/08/2011 13:44

Samples Received at: **3.2°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1108097

Printed: 9/2/2011 1:07:01PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108097-01 GW0245 [Water] Sampled 08/05/2011 13:24 Mountain					
SW8015B DRO	08/24/2011 14:00	15	08/12/2011 14:24		Low Sample Volume
SW8011	08/24/2011 14:00	15	08/19/2011 14:24		
SW8270C	08/24/2011 14:00	15	08/12/2011 14:24		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B GRO	08/24/2011 14:00	15	08/19/2011 14:24		
SW8260B	08/24/2011 14:00	15	08/19/2011 14:24		
SM2320B	08/24/2011 14:00	15	08/19/2011 14:24		carb/bicarb
SM4500NH3BG	08/24/2011 14:00	15	09/02/2011 14:24		
E300.0	08/24/2011 14:00	15	09/02/2011 14:24		Cl, SO4
E353.2	08/24/2011 14:00	15	09/02/2011 14:24		
SM4500S2CF	08/24/2011 14:00	15	08/12/2011 14:24		
SW6010B	08/24/2011 14:00	15	02/01/2012 14:24		Ca, Pb, K, Na, Mg
1108097-02 GW0245 [Water] Sampled 08/05/2011 13:24 Mountain					**Field Filtered and Preserved**
SW6010B	08/24/2011 14:00	15	02/01/2012 14:24		Fe & Mn

WORK ORDER

1108097

Printed: 9/2/2011 1:07:01PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108097-03 GW0246 [Water] Sampled 08/05/2011 13:24 Mountain					
SW8015B DRO	08/24/2011 14:00	15	08/12/2011 14:24		Low Sample Volume
SW8011	08/24/2011 14:00	15	08/19/2011 14:24		
SW8270C	08/24/2011 14:00	15	08/12/2011 14:24		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B GRO	08/24/2011 14:00	15	08/19/2011 14:24		
SW8260B	08/24/2011 14:00	15	08/19/2011 14:24		
SM2320B	08/24/2011 14:00	15	08/19/2011 14:24		carb/bicarb
SM4500NH3BG	08/24/2011 14:00	15	09/02/2011 14:24		
E300.0	08/24/2011 14:00	15	09/02/2011 14:24		Cl, SO4
E353.2	08/24/2011 14:00	15	09/02/2011 14:24		
SM4500S2CF	08/24/2011 14:00	15	08/12/2011 14:24		
SW6010B	08/24/2011 14:00	15	02/01/2012 14:24		Ca, Pb, K, Na, Mg
1108097-04 GW0246 [Water] Sampled 08/05/2011 13:24 Mountain					**Field Filtered and Preserved**
SW6010B	08/24/2011 14:00	15	02/01/2012 14:24		Fe & Mn
1108097-05 GW8024-AB [Water] Sampled 08/05/2011 13:24 Mountain					
SW8260B	08/24/2011 14:00	15	08/19/2011 14:24		
1108097-06 GW8088-TB [Water] Sampled 08/05/2011 08:00 Mountain					
SW8260B	08/24/2011 14:00	15	08/19/2011 09:00		

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: kirtland_022
MATRIX: Water

QC LEVEL: Level IV
Report Due: 8/23/2011 - 8/29/2011
Client Sample Count: 41

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Client Sample	8/1/2011	8/2/2011	1108019-01	GW0192	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-02	GW0192					
Client Sample	8/1/2011	8/2/2011	1108019-03	GW0193	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-04	GW0193					
Client Sample	8/1/2011	8/2/2011	1108019-05	GW0194	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-06	GW0194					
Client Sample	8/1/2011	8/2/2011	1108019-07	GW0225	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-08	GW0225					
Client Sample	8/1/2011	8/2/2011	1108019-09	GW8084-TB					
Client Sample	8/2/2011	8/3/2011	1108046-01	GW0119	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-02	GW0119					
Client Sample	8/2/2011	8/3/2011	1108046-03	GW0120	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-04	GW0120					
Client Sample	8/2/2011	8/3/2011	1108046-05	GW0123	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-06	GW0123					
Client Sample	8/2/2011	8/3/2011	1108046-07	GW0126	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-08	GW0126					
Client Sample	8/2/2011	8/3/2011	1108046-09	GW0222	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-10	GW0222					
Client Sample	8/2/2011	8/3/2011	1108046-11	GW0223	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-12	GW0223					
Client Sample	8/2/2011	8/3/2011	1108046-13	GW8022-RB	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-14	GW8022-RB					
Client Sample	8/2/2011	8/3/2011	1108046-15	GW8023-AB					
Client Sample	8/2/2011	8/3/2011	1108046-16	GW8085-TB					
Client Sample	8/3/2011	8/4/2011	1108056-01	GW0129	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	8/3/2011	8/4/2011	1108056-02	GW0129					
Client Sample	8/3/2011	8/4/2011	1108056-03	GW0224	X	X	X	X	X
Client Sample	8/3/2011	8/4/2011	1108056-04	GW0224					
Client Sample	8/3/2011	8/4/2011	1108056-05	GW0228	X	X	X	X	X
Client Sample	8/3/2011	8/4/2011	1108056-06	GW0228					
Trip Blank	8/3/2011	8/4/2011	1108056-07	GW8086-TB					
Client Sample	8/4/2011	8/5/2011	1108078-01	GW0226	X	X	X	X	X
Client Sample	8/4/2011	8/5/2011	1108078-02	GW0226					
Client Sample	8/4/2011	8/5/2011	1108078-03	GW0227	X	X	X	X	X
Client Sample	8/4/2011	8/5/2011	1108078-04	GW0227					
Client Sample	8/4/2011	8/5/2011	1108078-05	GW8087-TB					
Client Sample	8/5/2011	8/8/2011	1108097-01	GW0245	X	X	X	X	X
Client Sample	8/5/2011	8/8/2011	1108097-02	GW0245					
Client Sample	8/5/2011	8/8/2011	1108097-03	GW0246	X	X	X	X	X
Client Sample	8/5/2011	8/8/2011	1108097-04	GW0246					
Client Sample	8/5/2011	8/8/2011	1108097-05	GW8024-AB					
Trip Blank	8/5/2011	8/8/2011	1108097-06	GW8088-TB					

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	W8015B DR	SW8015B GRO	SW8260B	SW8270C
Client Sample	8/1/2011	8/2/2011	1108019-01	GW0192	X	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-02	GW0192	X					
Client Sample	8/1/2011	8/2/2011	1108019-03	GW0193	X	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-04	GW0193	X					
Client Sample	8/1/2011	8/2/2011	1108019-05	GW0194	X	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-06	GW0194	X					
Client Sample	8/1/2011	8/2/2011	1108019-07	GW0225	X	X	X	X	X	X
Client Sample	8/1/2011	8/2/2011	1108019-08	GW0225	X					
Client Sample	8/1/2011	8/2/2011	1108019-09	GW8084-TB					X	
Client Sample	8/2/2011	8/3/2011	1108046-01	GW0119	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-02	GW0119	X					
Client Sample	8/2/2011	8/3/2011	1108046-03	GW0120	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-04	GW0120	X					
Client Sample	8/2/2011	8/3/2011	1108046-05	GW0123	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-06	GW0123	X					
Client Sample	8/2/2011	8/3/2011	1108046-07	GW0126	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-08	GW0126	X					
Client Sample	8/2/2011	8/3/2011	1108046-09	GW0222	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-10	GW0222	X					
Client Sample	8/2/2011	8/3/2011	1108046-11	GW0223	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-12	GW0223	X					
Client Sample	8/2/2011	8/3/2011	1108046-13	GW8022-RB	X	X	X	X	X	X
Client Sample	8/2/2011	8/3/2011	1108046-14	GW8022-RB	X					
Client Sample	8/2/2011	8/3/2011	1108046-15	GW8023-AB					X	
Client Sample	8/2/2011	8/3/2011	1108046-16	GW8085-TB					X	
Client Sample	8/3/2011	8/4/2011	1108056-01	GW0129	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	8/3/2011	8/4/2011	1108056-02	GW0129	MS/MSD					
Client Sample	8/3/2011	8/4/2011	1108056-03	GW0224	X	X	X	X	X	X
Client Sample	8/3/2011	8/4/2011	1108056-04	GW0224	X					
Client Sample	8/3/2011	8/4/2011	1108056-05	GW0228	X	X	X	X	X	X
Client Sample	8/3/2011	8/4/2011	1108056-06	GW0228	X					
Trip Blank	8/3/2011	8/4/2011	1108056-07	GW8086-TB					X	
Client Sample	8/4/2011	8/5/2011	1108078-01	GW0226	X	X	X	X	X	X
Client Sample	8/4/2011	8/5/2011	1108078-02	GW0226	X					
Client Sample	8/4/2011	8/5/2011	1108078-03	GW0227	X	X	X	X	X	X
Client Sample	8/4/2011	8/5/2011	1108078-04	GW0227	X					
Client Sample	8/4/2011	8/5/2011	1108078-05	GW8087-TB					X	
Client Sample	8/5/2011	8/8/2011	1108097-01	GW0245	X	X	X	X	X	X
Client Sample	8/5/2011	8/8/2011	1108097-02	GW0245	d Filtered and Preserved					
Client Sample	8/5/2011	8/8/2011	1108097-03	GW0246	X	X	X	X	X	X
Client Sample	8/5/2011	8/8/2011	1108097-04	GW0246	d Filtered and Preserved					
Client Sample	8/5/2011	8/8/2011	1108097-05	GW8024-AB					X	
Trip Blank	8/5/2011	8/8/2011	1108097-06	GW8088-TB					X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	0801901.D
Sampled:	08/01/11 12:01	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 09:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	0801901.D
Sampled:	08/01/11 12:01	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 09:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.39	108	75 - 120	
Dibromofluoromethane	30.00	30.65	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.45	105	70 - 120	
Toluene-d8	30.00	30.86	103	85 - 120	

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	0801903.D
Sampled:	08/01/11 12:01	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 10:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	0801903.D
Sampled:	08/01/11 12:01	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 10:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.88	106	75 - 120	
Dibromofluoromethane	30.00	30.78	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.58	102	70 - 120	
Toluene-d8	30.00	32.17	107	85 - 120	

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	0801905.D
Sampled:	08/01/11 15:10	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 10:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q, U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, 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	X, 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	0.668	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane	0.485	0.250	0.500	1.00	J
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	0801905.D
Sampled:	08/01/11 15:10	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 10:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.486	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.605	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
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.63	105	75 - 120	
Dibromofluoromethane	30.00	31.05	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.89	103	70 - 120	
Toluene-d8	30.00	31.31	104	85 - 120	

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	0801907.D
Sampled:	08/01/11 14:25	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 10:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	0801907.D
Sampled:	08/01/11 14:25	Prepared:	08/06/11 00:00	Analyzed:	08/06/11 10:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.03	103	75 - 120	
Dibromofluoromethane	30.00	31.14	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.21	104	70 - 120	
Toluene-d8	30.00	31.14	104	85 - 120	

ANALYSIS DATA SHEET

GW8084-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-09	File ID:	0801909.D
Sampled:	08/01/11 08:00	Prepared:	08/04/11 00:00	Analyzed:	08/04/11 22:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	Q, 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	X, U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	Q, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8084-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-09	File ID:	0801909.D
Sampled:	08/01/11 08:00	Prepared:	08/04/11 00:00	Analyzed:	08/04/11 22:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	X, U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.55	105	75 - 120	
Dibromofluoromethane	30.00	30.49	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.22	101	70 - 120	
Toluene-d8	30.00	31.29	104	85 - 120	

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	0804609.D
Sampled:	08/02/11 10:41	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 16:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, 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	X, 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	X, 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)	0.398	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	X, 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	X, U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	0804609.D
Sampled:	08/02/11 10:41	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 16:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	X, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.01	107	75 - 120	
Dibromofluoromethane	30.00	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.41	101	70 - 120	
Toluene-d8	30.00	32.23	107	85 - 120	

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	0804611.D
Sampled:	08/02/11 10:41	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 17:20
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, 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	X, 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	X, 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)	0.397	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	X, 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	X, U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	0804611.D
Sampled:	08/02/11 10:41	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 17:20
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	X, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.82	106	75 - 120	
Dibromofluoromethane	30.00	31.00	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.17	104	70 - 120	
Toluene-d8	30.00	31.87	106	85 - 120	

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	0804613.D
Sampled:	08/02/11 08:20	Prepared:	08/04/11 00:00	Analyzed:	08/04/11 23:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane	5.36	0.250	0.500	1.00	
75-25-2	Bromoform	3.08	0.250	0.500	1.00	
74-83-9	Bromomethane		0.500	1.00	2.00	Y, Q, 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	Q, U
67-66-3	Chloroform	7.32	0.250	0.500	1.00	
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	5.06	0.250	0.500	1.00	
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	X, U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	Q, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	0804613.D
Sampled:	08/02/11 08:20	Prepared:	08/04/11 00:00	Analyzed:	08/04/11 23:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	X, U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.56	105	75 - 120	
Dibromofluoromethane	30.00	30.23	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.43	101	70 - 120	
Toluene-d8	30.00	31.17	104	85 - 120	

ANALYSIS DATA SHEET

GW8023-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-15	File ID:	0804615.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 00:00	Analyzed:	08/05/11 00:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8023-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-15	File ID:	0804615.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 00:00	Analyzed:	08/05/11 00:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	X, U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.36	105	75 - 120	
Dibromofluoromethane	30.00	30.92	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.27	104	70 - 120	
Toluene-d8	30.00	31.57	105	85 - 120	

ANALYSIS DATA SHEET

GW8085-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-16	File ID:	0804616.D
Sampled:	08/02/11 08:00	Prepared:	08/04/11 00:00	Analyzed:	08/05/11 00:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8085-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-16	File ID:	0804616.D
Sampled:	08/02/11 08:00	Prepared:	08/04/11 00:00	Analyzed:	08/05/11 00:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	X, U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.61	105	75 - 120	
Dibromofluoromethane	30.00	30.27	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.55	102	70 - 120	
Toluene-d8	30.00	31.66	106	85 - 120	

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	0805603.D
Sampled:	08/03/11 14:55	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 23:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	X, 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)	0.636	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	X, U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	0805603.D
Sampled:	08/03/11 14:55	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 23:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.59	105	75 - 120	
Dibromofluoromethane	30.00	31.11	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.85	103	70 - 120	
Toluene-d8	30.00	31.61	105	85 - 120	

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	0805605.D
Sampled:	08/03/11 15:10	Prepared:	08/07/11 00:00	Analyzed:	08/08/11 00:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	0805605.D
Sampled:	08/03/11 15:10	Prepared:	08/07/11 00:00	Analyzed:	08/08/11 00:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.06	104	75 - 120	
Dibromofluoromethane	30.00	30.65	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.18	101	70 - 120	
Toluene-d8	30.00	31.35	104	85 - 120	

ANALYSIS DATA SHEET

GW8086-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-07	File ID:	0805607.D
Sampled:	08/03/11 08:00	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 21:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8086-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-07	File ID:	0805607.D
Sampled:	08/03/11 08:00	Prepared:	08/07/11 00:00	Analyzed:	08/07/11 21:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.29	104	75 - 120	
Dibromofluoromethane	30.00	31.36	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.90	106	70 - 120	
Toluene-d8	30.00	31.53	105	85 - 120	

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	0807801.D
Sampled:	08/04/11 14:58	Prepared:	08/11/11 00:00	Analyzed:	08/11/11 16:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	9.21	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane	6.63	0.250	0.500	1.00	
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	X, 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	2.03	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	X, U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	0807801.D
Sampled:	08/04/11 14:58	Prepared:	08/11/11 00:00	Analyzed:	08/11/11 16:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

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	1.15	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.706	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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether	0.274	0.250	0.500	1.00	J
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	1.14	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.81	109	75 - 120	
Dibromofluoromethane	30.00	30.91	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.62	105	70 - 120	
Toluene-d8	30.00	32.68	109	85 - 120	

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	0807803.D
Sampled:	08/04/11 11:28	Prepared:	08/11/11 00:00	Analyzed:	08/11/11 17:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	8.32	2.50	5.00	10.0	J
71-43-2	Benzene	0.518	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	4.31	0.250	0.500	1.00	
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	X, 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	2.25	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	X, U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	0807803.D
Sampled:	08/04/11 11:28	Prepared:	08/11/11 00:00	Analyzed:	08/11/11 17:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

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	12.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	2.86	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	2.70	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene	0.356	0.250	0.500	1.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.55	108	75 - 120	
Dibromofluoromethane	30.00	31.48	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.54	105	70 - 120	
Toluene-d8	30.00	32.37	108	85 - 120	

ANALYSIS DATA SHEET

GW8087-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-05	File ID:	0807805.D
Sampled:	08/04/11 08:00	Prepared:	08/11/11 00:00	Analyzed:	08/11/11 10:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8087-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-05	File ID:	0807805.D
Sampled:	08/04/11 08:00	Prepared:	08/11/11 00:00	Analyzed:	08/11/11 10:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.69	102	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.82	106	70 - 120	
Toluene-d8	30.00	31.05	104	85 - 120	

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	0809701.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	0809701.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.360	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.42	105	75 - 120	
Dibromofluoromethane	30.00	31.40	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.93	103	70 - 120	
Toluene-d8	30.00	31.95	106	85 - 120	

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	0809703.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 14:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	0809703.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 14:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.369	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.40	105	75 - 120	
Dibromofluoromethane	30.00	31.50	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.91	106	70 - 120	
Toluene-d8	30.00	31.59	105	85 - 120	

ANALYSIS DATA SHEET

GW8024-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-05	File ID:	0809705.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 14:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8024-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-05	File ID:	0809705.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 14:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.96	107	75 - 120	
Dibromofluoromethane	30.00	30.67	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	31.30	104	85 - 120	

ANALYSIS DATA SHEET

GW8088-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-06	File ID:	0809706.D
Sampled:	08/05/11 08:00	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 12:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8088-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-06	File ID:	0809706.D
Sampled:	08/05/11 08:00	Prepared:	08/12/11 00:00	Analyzed:	08/12/11 12:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	31.45	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.16	104	70 - 120	
Toluene-d8	30.00	31.57	105	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21704	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21704-CCV1) ug/L				Lab File ID: 0804CCV2.D		Analyzed: 08/04/11 19:33		
Bromofluorobenzene	30.00	113	80 - 120	12.273	12.273	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.966	6.966	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.458	7.458	0.0000	+/-1.000	
Toluene-d8	30.00	115	80 - 120	9.664	9.664	0.0000	+/-1.000	
LCS (1H04007-BS1) ug/L				Lab File ID: 0804LCS2.D		Analyzed: 08/04/11 20:00		
Bromofluorobenzene	30.00	109	75 - 120	12.269	12.273	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.963	6.966	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.455	7.458	-0.0030	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.66	9.664	-0.0040	+/-1.000	
Blank (1H04007-BLK1) ug/L				Lab File ID: 0804BLK2.D		Analyzed: 08/04/11 21:19		
Bromofluorobenzene	30.00	105	75 - 120	12.267	12.273	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.97	6.966	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.462	7.458	0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.658	9.664	-0.0060	+/-1.000	
GW8084-TB (1108019-09) ug/L				Lab File ID: 0801909.D		Analyzed: 08/04/11 22:12		
Bromofluorobenzene	30.00	105	75 - 120	12.269	12.273	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.962	6.966	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.454	7.458	-0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.66	9.664	-0.0040	+/-1.000	
GW8022-RB (1108046-13) ug/L				Lab File ID: 0804613.D		Analyzed: 08/04/11 23:59		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.273	-0.0030	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.963	6.966	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.455	7.458	-0.0030	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.661	9.664	-0.0030	+/-1.000	
GW8085-TB (1108046-16) ug/L				Lab File ID: 0804616.D		Analyzed: 08/05/11 00:26		
Bromofluorobenzene	30.00	105	75 - 120	12.268	12.273	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.961	6.966	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.453	7.458	-0.0050	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.659	9.664	-0.0050	+/-1.000	
GW8023-AB (1108046-15) ug/L				Lab File ID: 0804615.D		Analyzed: 08/05/11 00:53		
Bromofluorobenzene	30.00	105	75 - 120	12.267	12.273	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.96	6.966	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.452	7.458	-0.0060	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.658	9.664	-0.0060	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21704	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (1H04007-BSD1) ug/L				Lab File ID: 0804LCD2.D		Analyzed: 08/05/11 07:17		
Bromofluorobenzene	30.00	106	75 - 120	12.274	12.273	0.0010	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.957	6.966	-0.0090	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.458	-0.0080	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.655	9.664	-0.0090	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21902	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21902-CCV1) ug/L				Lab File ID: 0806CCV1.D		Analyzed: 08/06/11 07:14		
Bromofluorobenzene	30.00	114	80 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.962	6.962	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.454	7.454	0.0000	+/-1.000	
Toluene-d8	30.00	112	80 - 120	9.659	9.659	0.0000	+/-1.000	
LCS (1H06001-BS1) ug/L				Lab File ID: 0806LCS1.D		Analyzed: 08/06/11 07:48		
Bromofluorobenzene	30.00	109	75 - 120	12.263	12.268	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.956	6.962	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.449	7.454	-0.0050	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.654	9.659	-0.0050	+/-1.000	
Blank (1H06001-BLK1) ug/L				Lab File ID: 0806BLK1.D		Analyzed: 08/06/11 09:07		
Bromofluorobenzene	30.00	107	75 - 120	12.263	12.268	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.956	6.962	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.448	7.454	-0.0060	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.654	9.659	-0.0050	+/-1.000	
GW0192 (1108019-01) ug/L				Lab File ID: 0801901.D		Analyzed: 08/06/11 09:33		
Bromofluorobenzene	30.00	108	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.952	6.962	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.445	7.454	-0.0090	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.65	9.659	-0.0090	+/-1.000	
GW0193 (1108019-03) ug/L				Lab File ID: 0801903.D		Analyzed: 08/06/11 10:00		
Bromofluorobenzene	30.00	106	75 - 120	12.263	12.268	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.957	6.962	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.449	7.454	-0.0050	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.654	9.659	-0.0050	+/-1.000	
GW0194 (1108019-05) ug/L				Lab File ID: 0801905.D		Analyzed: 08/06/11 10:27		
Bromofluorobenzene	30.00	105	75 - 120	12.266	12.268	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.959	6.962	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.451	7.454	-0.0030	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.657	9.659	-0.0020	+/-1.000	
GW0225 (1108019-07) ug/L				Lab File ID: 0801907.D		Analyzed: 08/06/11 10:54		
Bromofluorobenzene	30.00	103	75 - 120	12.267	12.268	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.962	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.452	7.454	-0.0020	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.658	9.659	-0.0010	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21902	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (1H06001-BSD1) ug/L				Lab File ID: 0806LCD1.D		Analyzed: 08/06/11 18:28		
Bromofluorobenzene	30.00	110	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.963	6.962	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.455	7.454	0.0010	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.66	9.659	0.0010	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22105	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22105-CCV1) ug/L				Lab File ID: 0807CCV1.D		Analyzed: 08/07/11 08:19		
Bromofluorobenzene	30.00	114	80 - 120	12.269	12.269	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.962	6.962	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.1	80 - 120	7.455	7.455	0.0000	+/-1.000	
Toluene-d8	30.00	117	80 - 120	9.66	9.66	0.0000	+/-1.000	
LCS (1H07001-BS1) ug/L				Lab File ID: 0807LCS1.D		Analyzed: 08/07/11 08:54		
Bromofluorobenzene	30.00	108	75 - 120	12.269	12.269	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.962	6.962	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.455	7.455	0.0000	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.66	9.66	0.0000	+/-1.000	
Blank (1H07001-BLK1) ug/L				Lab File ID: 0807BLK1.D		Analyzed: 08/07/11 10:12		
Bromofluorobenzene	30.00	106	75 - 120	12.274	12.269	0.0050	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.967	6.962	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.459	7.455	0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.665	9.66	0.0050	+/-1.000	
GW0222 (1108046-09) ug/L				Lab File ID: 0804609.D		Analyzed: 08/07/11 16:53		
Bromofluorobenzene	30.00	107	75 - 120	12.27	12.269	0.0010	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.973	6.962	0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.465	7.455	0.0100	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.66	9.66	0.0000	+/-1.000	
GW0223 (1108046-11) ug/L				Lab File ID: 0804611.D		Analyzed: 08/07/11 17:20		
Bromofluorobenzene	30.00	106	75 - 120	12.277	12.269	0.0080	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.97	6.962	0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.462	7.455	0.0070	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.668	9.66	0.0080	+/-1.000	
LCS Dup (1H07001-BSD1) ug/L				Lab File ID: 0807LCD1.D		Analyzed: 08/07/11 18:40		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.269	0.0010	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.973	6.962	0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.465	7.455	0.0100	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.661	9.66	0.0010	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22109	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22109-CCV1) ug/L				Lab File ID: 0807CCV2.D		Analyzed: 08/07/11 19:33		
Bromofluorobenzene	30.00	113	80 - 120	12.276	12.276	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.4	80 - 120	6.969	6.969	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.1	80 - 120	7.461	7.461	0.0000	+/-1.000	
Toluene-d8	30.00	116	80 - 120	9.667	9.667	0.0000	+/-1.000	
LCS (1H07002-BS1) ug/L				Lab File ID: 0807LCS2.D		Analyzed: 08/07/11 20:00		
Bromofluorobenzene	30.00	110	75 - 120	12.279	12.276	0.0030	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.972	6.969	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.464	7.461	0.0030	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.66	9.667	-0.0070	+/-1.000	
Blank (1H07002-BLK1) ug/L				Lab File ID: 0807BLK2.D		Analyzed: 08/07/11 21:18		
Bromofluorobenzene	30.00	105	75 - 120	12.277	12.276	0.0010	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.97	6.969	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.462	7.461	0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.658	9.667	-0.0090	+/-1.000	
GW8086-TB (1108056-07) ug/L				Lab File ID: 0805607.D		Analyzed: 08/07/11 21:45		
Bromofluorobenzene	30.00	104	75 - 120	12.275	12.276	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.968	6.969	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.461	7.461	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.666	9.667	-0.0010	+/-1.000	
GW0224 (1108056-03) ug/L				Lab File ID: 0805603.D		Analyzed: 08/07/11 23:58		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.276	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.963	6.969	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.456	7.461	-0.0050	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.661	9.667	-0.0060	+/-1.000	
GW0228 (1108056-05) ug/L				Lab File ID: 0805605.D		Analyzed: 08/08/11 00:25		
Bromofluorobenzene	30.00	104	75 - 120	12.269	12.276	-0.0070	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.972	6.969	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.465	7.461	0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.66	9.667	-0.0070	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22403	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22403-CCV1) ug/L				Lab File ID: 0811CCV1.D		Analyzed: 08/11/11 07:10		
Bromofluorobenzene	30.00	114	80 - 120	12.269	12.269	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.7	80 - 120	6.963	6.963	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.4	80 - 120	7.455	7.455	0.0000	+/-1.000	
Toluene-d8	30.00	117	80 - 120	9.66	9.66	0.0000	+/-1.000	
LCS (1H11001-BS1) ug/L				Lab File ID: 0811LCS1.D		Analyzed: 08/11/11 07:37		
Bromofluorobenzene	30.00	109	75 - 120	12.267	12.269	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.96	6.963	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	120	70 - 120	7.452	7.455	-0.0030	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.658	9.66	-0.0020	+/-1.000	
Blank (1H11001-BLK1) ug/L				Lab File ID: 0811BLK1.D		Analyzed: 08/11/11 08:55		
Bromofluorobenzene	30.00	104	75 - 120	12.268	12.269	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.962	6.963	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.454	7.455	-0.0010	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.659	9.66	-0.0010	+/-1.000	
GW8087-TB (1108078-05) ug/L				Lab File ID: 0807805.D		Analyzed: 08/11/11 10:36		
Bromofluorobenzene	30.00	102	75 - 120	12.273	12.269	0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.956	6.963	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.449	7.455	-0.0060	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.654	9.66	-0.0060	+/-1.000	
GW0226 (1108078-01) ug/L				Lab File ID: 0807801.D		Analyzed: 08/11/11 16:51		
Bromofluorobenzene	30.00	109	75 - 120	12.273	12.269	0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.957	6.963	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.459	7.455	0.0040	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.655	9.66	-0.0050	+/-1.000	
GW0227 (1108078-03) ug/L				Lab File ID: 0807803.D		Analyzed: 08/11/11 17:18		
Bromofluorobenzene	30.00	108	75 - 120	12.269	12.269	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.962	6.963	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.454	7.455	-0.0010	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.66	9.66	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22501	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22501-CCV1) ug/L				Lab File ID: 0812CCV1.D		Analyzed: 08/12/11 09:47		
Bromofluorobenzene	30.00	111	80 - 120	12.273	12.273	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.449	7.449	0.0000	+/-1.000	
Toluene-d8	30.00	115	80 - 120	9.654	9.654	0.0000	+/-1.000	
LCS (1H12027-BS1) ug/L				Lab File ID: 0812LCS1.D		Analyzed: 08/12/11 10:14		
Bromofluorobenzene	30.00	110	75 - 120	12.263	12.273	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.449	7.449	0.0000	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.654	9.654	0.0000	+/-1.000	
Blank (1H12027-BLK1) ug/L				Lab File ID: 0812BLK1.D		Analyzed: 08/12/11 11:32		
Bromofluorobenzene	30.00	104	75 - 120	12.266	12.273	-0.0070	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.957	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.452	7.449	0.0030	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.657	9.654	0.0030	+/-1.000	
GW8088-TB (1108097-06) ug/L				Lab File ID: 0809706.D		Analyzed: 08/12/11 12:01		
Bromofluorobenzene	30.00	102	75 - 120	12.273	12.273	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.449	7.449	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.654	9.654	0.0000	+/-1.000	
GW0245 (1108097-01) ug/L				Lab File ID: 0809701.D		Analyzed: 08/12/11 13:57		
Bromofluorobenzene	30.00	105	75 - 120	12.265	12.273	-0.0080	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.958	6.957	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.449	0.0010	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.656	9.654	0.0020	+/-1.000	
GW0246 (1108097-03) ug/L				Lab File ID: 0809703.D		Analyzed: 08/12/11 14:23		
Bromofluorobenzene	30.00	105	75 - 120	12.273	12.273	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.449	7.449	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.654	9.654	0.0000	+/-1.000	
GW8024-AB (1108097-05) ug/L				Lab File ID: 0809705.D		Analyzed: 08/12/11 14:50		
Bromofluorobenzene	30.00	107	75 - 120	12.266	12.273	-0.0070	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.96	6.957	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.452	7.449	0.0030	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.657	9.654	0.0030	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04007	Laboratory ID:	1H04007-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	101	101	40 - 140
Benzene	50.00	57.0	114	80 - 120
Bromobenzene	50.00	56.3	113	75 - 125
Bromochloromethane	50.00	56.8	114	65 - 130
Bromodichloromethane	50.00	58.0	116	75 - 120
Bromoform	50.00	45.3	90.6	70 - 130
Bromomethane	50.00	29.9	59.8	30 - 145
n-Butylbenzene	50.00	54.4	109	70 - 135
2-Butanone	100.0	117	117	30 - 150
sec-Butylbenzene	50.00	56.0	112	70 - 125
tert-Butylbenzene	50.00	56.5	113	70 - 130
Carbon disulfide	50.00	62.2	124	35 - 160
Carbon tetrachloride	50.00	50.7	101	65 - 140
Chlorobenzene	50.00	57.6	115	80 - 120
Chloroethane	50.00	59.6	119	60 - 135
Chloroform	50.00	51.4	103	65 - 135
Chloromethane	50.00	49.1	98.2	40 - 125
2-Chlorotoluene	50.00	55.8	112	75 - 125
4-Chlorotoluene	50.00	56.8	114	75 - 130
Dibromochloromethane	50.00	49.1	98.2	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.7	95.4	50 - 130
1,2-Dibromoethane (EDB)	50.00	57.2	114	80 - 120
Dibromomethane	50.00	56.3	113	75 - 125
1,2-Dichlorobenzene	50.00	54.3	109	70 - 120
1,3-Dichlorobenzene	50.00	55.8	112	75 - 125
1,4-Dichlorobenzene	50.00	53.7	107	75 - 125
Dichlorodifluoromethane	50.00	48.6	97.2	30 - 155
1,1-Dichloroethane	50.00	57.4	115	70 - 135
1,2-Dichloroethane	50.00	53.2	106	70 - 130
1,1-Dichloroethene	50.00	60.8	122	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04007	Laboratory ID:	1H04007-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	56.2	112	70 - 125
trans-1,2-Dichloroethene	50.00	56.2	112	60 - 140
1,2-Dichloropropane	50.00	58.7	117	75 - 125
1,3-Dichloropropane	50.00	57.0	114	75 - 125
2,2-Dichloropropane	50.00	43.2	86.4	70 - 135
1,1-Dichloropropene	50.00	53.9	108	75 - 130
cis-1,3-Dichloropropene	50.00	54.2	108	70 - 130
trans-1,3-Dichloropropene	50.00	62.7	125	55 - 140
Ethylbenzene	50.00	55.4	111	75 - 125
Hexachlorobutadiene	50.00	53.7	107	50 - 140
2-Hexanone	100.0	122	122	55 - 130
Isopropylbenzene	50.00	58.1	116	75 - 125
p-Isopropyltoluene	50.00	57.8	116	75 - 130
Methylene chloride	50.00	58.0	116	55 - 140
Naphthalene	50.00	54.3	109	55 - 140
4-Methyl-2-pentanone	100.0	113	113	60 - 135
Methyl t-Butyl Ether	50.00	54.0	108	65 - 125
n-Propylbenzene	50.00	56.7	113	70 - 130
Styrene	50.00	58.5	117	65 - 135
1,1,2,2-Tetrachloroethane	50.00	59.6	119	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.0	100	80 - 130
Tetrachloroethene	50.00	52.0	104	45 - 150
Toluene	50.00	57.4	115	75 - 120
1,2,3-Trichlorobenzene	50.00	55.4	111	55 - 140
1,2,4-Trichlorobenzene	50.00	53.4	107	65 - 135
1,1,2-Trichloroethane	50.00	57.3	115	75 - 125
1,1,1-Trichloroethane	50.00	49.9	99.7	65 - 130
Trichloroethene	50.00	54.4	109	70 - 125
Trichlorofluoromethane	50.00	51.8	104	60 - 145
1,2,3-Trichloropropane	50.00	54.1	108	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04007	Laboratory ID:	1H04007-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	55.1	110	75 - 130
1,2,4-Trimethylbenzene	50.00	57.8	116	75 - 130
Vinyl chloride	50.00	52.3	105	50 - 145
m,p-Xylene	100.0	109	109	75 - 130
o-Xylene	50.00	54.9	110	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	105	105	3.33	30	40 - 140
Benzene	50.00	56.1	112	1.59	30	80 - 120
Bromobenzene	50.00	54.9	110	2.44	30	75 - 125
Bromochloromethane	50.00	56.6	113	0.303	30	65 - 130
Bromodichloromethane	50.00	57.5	115	0.794	30	75 - 120
Bromoform	50.00	44.7	89.4	1.35	30	70 - 130
Bromomethane	**50.00**	**11.0**	**22.1 ***	**92.1 ***	**30**	**30 - 145**
n-Butylbenzene	50.00	52.9	106	2.84	30	70 - 135
2-Butanone	100.0	119	119	1.69	30	30 - 150
sec-Butylbenzene	50.00	55.8	112	0.381	30	70 - 125
tert-Butylbenzene	50.00	55.3	111	2.27	30	70 - 130
Carbon disulfide	50.00	64.6	129	3.92	30	35 - 160
Carbon tetrachloride	50.00	50.0	99.9	1.55	30	65 - 140
Chlorobenzene	50.00	56.6	113	1.85	30	80 - 120
Chloroethane	**50.00**	**69.5**	**139 ***	**15.3**	**30**	**60 - 135**
Chloroform	50.00	50.5	101	1.84	30	65 - 135
Chloromethane	50.00	43.0	85.9	13.3	30	40 - 125
2-Chlorotoluene	50.00	56.0	112	0.451	30	75 - 125
4-Chlorotoluene	50.00	55.4	111	2.38	30	75 - 130
Dibromochloromethane	50.00	49.2	98.4	0.194	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.9	93.7	1.75	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	57.7	115	0.952	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04007	Laboratory ID:	1H04007-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.
Dibromomethane	50.00	55.6	111	1.35	30	75 - 125
1,2-Dichlorobenzene	50.00	54.0	108	0.710	30	70 - 120
1,3-Dichlorobenzene	50.00	54.4	109	2.64	30	75 - 125
1,4-Dichlorobenzene	50.00	53.8	108	0.223	30	75 - 125
Dichlorodifluoromethane	50.00	50.0	100	2.87	30	30 - 155
1,1-Dichloroethane	50.00	57.3	115	0.133	30	70 - 135
1,2-Dichloroethane	50.00	52.3	105	1.56	30	70 - 130
1,1-Dichloroethene	50.00	58.0	116	4.64	30	70 - 130
cis-1,2-Dichloroethene	50.00	57.7	115	2.51	30	70 - 125
trans-1,2-Dichloroethene	50.00	57.8	116	2.71	30	60 - 140
1,2-Dichloropropane	50.00	58.6	117	0.0916	30	75 - 125
1,3-Dichloropropane	50.00	58.0	116	1.82	30	75 - 125
2,2-Dichloropropane	**50.00**	**33.9**	**67.7 ***	**24.2**	**30**	**70 - 135**
1,1-Dichloropropene	50.00	54.4	109	1.01	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.5	105	3.07	30	70 - 130
trans-1,3-Dichloropropene	50.00	60.1	120	4.21	30	55 - 140
Ethylbenzene	50.00	55.1	110	0.562	30	75 - 125
Hexachlorobutadiene	50.00	47.5	94.9	12.3	30	50 - 140
2-Hexanone	100.0	126	126	2.60	30	55 - 130
Isopropylbenzene	50.00	56.8	114	2.15	30	75 - 125
p-Isopropyltoluene	50.00	56.8	114	1.75	30	75 - 130
Methylene chloride	50.00	58.0	116	0.0902	30	55 - 140
Naphthalene	50.00	52.6	105	3.23	30	55 - 140
4-Methyl-2-pentanone	100.0	116	116	2.46	30	60 - 135
Methyl t-Butyl Ether	50.00	55.4	111	2.57	30	65 - 125
n-Propylbenzene	50.00	56.4	113	0.519	30	70 - 130
Styrene	50.00	58.6	117	0.282	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	62.3	125	4.35	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.5	99.1	1.03	30	80 - 130
Tetrachloroethene	50.00	51.7	103	0.526	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04007	Laboratory ID:	1H04007-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.
Toluene	50.00	57.2	114	0.483	30	75 - 120
1,2,3-Trichlorobenzene	50.00	51.3	103	7.73	30	55 - 140
1,2,4-Trichlorobenzene	50.00	51.8	104	2.99	30	65 - 135
1,1,2-Trichloroethane	50.00	58.1	116	1.38	30	75 - 125
1,1,1-Trichloroethane	50.00	49.1	98.2	1.53	30	65 - 130
Trichloroethene	50.00	52.6	105	3.44	30	70 - 125
Trichlorofluoromethane	50.00	51.7	103	0.222	30	60 - 145
1,2,3-Trichloropropane	50.00	53.2	106	1.68	30	75 - 125
1,3,5-Trimethylbenzene	50.00	54.9	110	0.347	30	75 - 130
1,2,4-Trimethylbenzene	50.00	56.0	112	3.15	30	75 - 130
Vinyl chloride	50.00	48.6	97.1	7.48	30	50 - 145
m,p-Xylene	100.0	109	109	0.651	30	75 - 130
o-Xylene	50.00	54.9	110	0.0643	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H06001	Laboratory ID:	1H06001-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	107	107	40 - 140
Benzene	50.00	59.0	118	80 - 120
Bromobenzene	50.00	56.7	113	75 - 125
Bromochloromethane	50.00	58.6	117	65 - 130
Bromodichloromethane	**50.00**	**60.5**	**121**	**75 - 120**
Bromoform	50.00	47.7	95.3	70 - 130
Bromomethane	50.00	48.5	96.9	30 - 145
n-Butylbenzene	50.00	58.9	118	70 - 135
2-Butanone	100.0	119	119	30 - 150
sec-Butylbenzene	50.00	58.5	117	70 - 125
tert-Butylbenzene	50.00	57.2	114	70 - 130
Carbon disulfide	50.00	62.6	125	35 - 160
Carbon tetrachloride	50.00	55.4	111	65 - 140
Chlorobenzene	50.00	57.9	116	80 - 120
Chloroethane	50.00	61.9	124	60 - 135
Chloroform	50.00	53.2	106	65 - 135
Chloromethane	50.00	59.2	118	40 - 125
2-Chlorotoluene	50.00	57.8	116	75 - 125
4-Chlorotoluene	50.00	59.2	118	75 - 130
Dibromochloromethane	50.00	51.4	103	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.1	98.2	50 - 130
1,2-Dibromoethane (EDB)	50.00	57.5	115	80 - 120
Dibromomethane	50.00	58.2	116	75 - 125
1,2-Dichlorobenzene	50.00	55.3	111	70 - 120
1,3-Dichlorobenzene	50.00	57.7	115	75 - 125
1,4-Dichlorobenzene	50.00	56.3	113	75 - 125
Dichlorodifluoromethane	50.00	56.7	113	30 - 155
1,1-Dichloroethane	50.00	59.0	118	70 - 135
1,2-Dichloroethane	50.00	56.8	114	70 - 130
1,1-Dichloroethene	50.00	62.4	125	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H06001	Laboratory ID:	1H06001-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	57.7	115	70 - 125
trans-1,2-Dichloroethene	50.00	58.3	117	60 - 140
1,2-Dichloropropane	50.00	59.1	118	75 - 125
1,3-Dichloropropane	50.00	57.8	116	75 - 125
2,2-Dichloropropane	50.00	56.8	114	70 - 135
1,1-Dichloropropene	50.00	56.7	113	75 - 130
cis-1,3-Dichloropropene	50.00	58.4	117	70 - 130
trans-1,3-Dichloropropene	50.00	66.8	134	55 - 140
Ethylbenzene	50.00	56.1	112	75 - 125
Hexachlorobutadiene	50.00	57.9	116	50 - 140
2-Hexanone	100.0	124	124	55 - 130
Isopropylbenzene	50.00	59.2	118	75 - 125
p-Isopropyltoluene	50.00	60.2	120	75 - 130
Methylene chloride	50.00	56.6	113	55 - 140
Naphthalene	50.00	61.2	122	55 - 140
4-Methyl-2-pentanone	100.0	116	116	60 - 135
Methyl t-Butyl Ether	50.00	57.7	115	65 - 125
n-Propylbenzene	50.00	58.7	117	70 - 130
Styrene	50.00	58.7	117	65 - 135
1,1,2,2-Tetrachloroethane	50.00	58.7	117	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.0	100	80 - 130
Tetrachloroethene	50.00	55.8	112	45 - 150
Toluene	50.00	58.6	117	75 - 120
1,2,3-Trichlorobenzene	50.00	59.4	119	55 - 140
1,2,4-Trichlorobenzene	50.00	59.3	119	65 - 135
1,1,2-Trichloroethane	50.00	56.8	114	75 - 125
1,1,1-Trichloroethane	50.00	54.0	108	65 - 130
Trichloroethene	50.00	55.9	112	70 - 125
Trichlorofluoromethane	50.00	57.2	114	60 - 145
1,2,3-Trichloropropane	50.00	55.1	110	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H06001	Laboratory ID:	1H06001-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	57.6	115	75 - 130
1,2,4-Trimethylbenzene	50.00	59.0	118	75 - 130
Vinyl chloride	50.00	55.7	111	50 - 145
m,p-Xylene	100.0	113	113	75 - 130
o-Xylene	50.00	55.4	111	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	98.3	98.3	8.65	30	40 - 140
Benzene	50.00	57.4	115	2.62	30	80 - 120
Bromobenzene	50.00	55.8	112	1.55	30	75 - 125
Bromochloromethane	50.00	57.2	114	2.42	30	65 - 130
Bromodichloromethane	50.00	57.8	116	4.57	30	75 - 120
Bromoform	50.00	43.5	87.0	9.10	30	70 - 130
Bromomethane	50.00	25.6	51.1	61.8 *	30	30 - 145
n-Butylbenzene	50.00	56.2	112	4.58	30	70 - 135
2-Butanone	100.0	115	115	3.50	30	30 - 150
sec-Butylbenzene	50.00	56.7	113	3.07	30	70 - 125
tert-Butylbenzene	50.00	57.1	114	0.226	30	70 - 130
Carbon disulfide	50.00	66.5	133	6.02	30	35 - 160
Carbon tetrachloride	50.00	53.7	107	3.24	30	65 - 140
Chlorobenzene	50.00	57.6	115	0.498	30	80 - 120
Chloroethane	50.00	60.6	121	2.11	30	60 - 135
Chloroform	50.00	52.0	104	2.21	30	65 - 135
Chloromethane	50.00	50.4	101	16.1	30	40 - 125
2-Chlorotoluene	50.00	56.9	114	1.69	30	75 - 125
4-Chlorotoluene	50.00	56.6	113	4.60	30	75 - 130
Dibromochloromethane	50.00	48.3	96.7	6.07	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.9	91.8	6.79	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	56.4	113	1.91	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H06001	Laboratory ID:	1H06001-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.
Dibromomethane	50.00	56.0	112	3.80	30	75 - 125
1,2-Dichlorobenzene	50.00	54.7	109	1.05	30	70 - 120
1,3-Dichlorobenzene	50.00	55.9	112	3.29	30	75 - 125
1,4-Dichlorobenzene	50.00	54.1	108	3.92	30	75 - 125
Dichlorodifluoromethane	50.00	57.4	115	1.15	30	30 - 155
1,1-Dichloroethane	50.00	57.9	116	1.87	30	70 - 135
1,2-Dichloroethane	50.00	54.0	108	5.03	30	70 - 130
1,1-Dichloroethene	50.00	61.2	122	1.84	30	70 - 130
cis-1,2-Dichloroethene	50.00	56.8	114	1.55	30	70 - 125
trans-1,2-Dichloroethene	50.00	57.6	115	1.19	30	60 - 140
1,2-Dichloropropane	50.00	57.9	116	1.98	30	75 - 125
1,3-Dichloropropane	50.00	57.3	115	0.743	30	75 - 125
2,2-Dichloropropane	50.00	45.6	91.3	21.8	30	70 - 135
1,1-Dichloropropene	50.00	56.3	113	0.793	30	75 - 130
cis-1,3-Dichloropropene	50.00	54.5	109	6.82	30	70 - 130
trans-1,3-Dichloropropene	50.00	61.7	123	7.93	30	55 - 140
Ethylbenzene	50.00	57.1	114	1.70	30	75 - 125
Hexachlorobutadiene	50.00	50.3	101	13.9	30	50 - 140
2-Hexanone	100.0	120	120	3.55	30	55 - 130
Isopropylbenzene	50.00	58.4	117	1.40	30	75 - 125
p-Isopropyltoluene	50.00	58.6	117	2.83	30	75 - 130
Methylene chloride	50.00	60.9	122	7.28	30	55 - 140
Naphthalene	50.00	59.1	118	3.47	30	55 - 140
4-Methyl-2-pentanone	100.0	110	110	4.97	30	60 - 135
Methyl t-Butyl Ether	50.00	55.3	111	4.37	30	65 - 125
n-Propylbenzene	50.00	56.8	114	3.37	30	70 - 130
Styrene	50.00	58.1	116	0.936	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	58.5	117	0.385	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.8	99.6	0.473	30	80 - 130
Tetrachloroethene	50.00	53.1	106	5.09	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H06001	Laboratory ID:	1H06001-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.
Toluene	50.00	57.4	115	2.21	30	75 - 120
1,2,3-Trichlorobenzene	50.00	55.9	112	6.06	30	55 - 140
1,2,4-Trichlorobenzene	50.00	55.9	112	5.98	30	65 - 135
1,1,2-Trichloroethane	50.00	57.4	115	1.03	30	75 - 125
1,1,1-Trichloroethane	50.00	52.2	104	3.39	30	65 - 130
Trichloroethene	50.00	54.9	110	1.67	30	70 - 125
Trichlorofluoromethane	50.00	55.7	111	2.64	30	60 - 145
1,2,3-Trichloropropane	50.00	53.1	106	3.66	30	75 - 125
1,3,5-Trimethylbenzene	50.00	56.5	113	1.95	30	75 - 130
1,2,4-Trimethylbenzene	50.00	57.7	115	2.08	30	75 - 130
Vinyl chloride	50.00	53.3	107	4.42	30	50 - 145
m,p-Xylene	100.0	112	112	1.09	30	75 - 130
o-Xylene	50.00	55.2	110	0.229	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07001	Laboratory ID:	1H07001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	102	102	40 - 140
Benzene	50.00	58.3	117	80 - 120
Bromobenzene	50.00	55.3	111	75 - 125
Bromochloromethane	50.00	56.6	113	65 - 130
Bromodichloromethane	50.00	58.7	117	75 - 120
Bromoform	50.00	43.5	87.0	70 - 130
Bromomethane	50.00	37.2	74.5	30 - 145
n-Butylbenzene	50.00	58.7	117	70 - 135
2-Butanone	100.0	116	116	30 - 150
sec-Butylbenzene	50.00	58.2	116	70 - 125
tert-Butylbenzene	50.00	57.2	114	70 - 130
Carbon disulfide	50.00	63.5	127	35 - 160
Carbon tetrachloride	50.00	52.2	104	65 - 140
Chlorobenzene	50.00	57.5	115	80 - 120
Chloroethane	50.00	62.2	124	60 - 135
Chloroform	50.00	50.6	101	65 - 135
Chloromethane	50.00	57.4	115	40 - 125
2-Chlorotoluene	50.00	57.3	115	75 - 125
4-Chlorotoluene	50.00	58.3	117	75 - 130
Dibromochloromethane	50.00	47.5	94.9	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.0	89.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.5	109	80 - 120
Dibromomethane	50.00	55.5	111	75 - 125
1,2-Dichlorobenzene	50.00	55.5	111	70 - 120
1,3-Dichlorobenzene	50.00	56.1	112	75 - 125
1,4-Dichlorobenzene	50.00	54.9	110	75 - 125
Dichlorodifluoromethane	50.00	55.0	110	30 - 155
1,1-Dichloroethane	50.00	57.7	115	70 - 135
1,2-Dichloroethane	50.00	53.8	108	70 - 130
1,1-Dichloroethene	50.00	58.3	117	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07001	Laboratory ID:	1H07001-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	56.6	113	70 - 125
trans-1,2-Dichloroethene	50.00	59.5	119	60 - 140
1,2-Dichloropropane	50.00	59.2	118	75 - 125
1,3-Dichloropropane	50.00	55.5	111	75 - 125
2,2-Dichloropropane	50.00	53.6	107	70 - 135
1,1-Dichloropropene	50.00	56.2	112	75 - 130
cis-1,3-Dichloropropene	50.00	56.1	112	70 - 130
trans-1,3-Dichloropropene	50.00	62.7	125	55 - 140
Ethylbenzene	50.00	55.6	111	75 - 125
Hexachlorobutadiene	50.00	55.8	112	50 - 140
2-Hexanone	100.0	116	116	55 - 130
Isopropylbenzene	50.00	58.7	117	75 - 125
p-Isopropyltoluene	50.00	59.6	119	75 - 130
Methylene chloride	50.00	59.0	118	55 - 140
Naphthalene	50.00	57.9	116	55 - 140
4-Methyl-2-pentanone	100.0	118	118	60 - 135
Methyl t-Butyl Ether	50.00	54.8	110	65 - 125
n-Propylbenzene	50.00	58.1	116	70 - 130
Styrene	50.00	58.8	118	65 - 135
1,1,2,2-Tetrachloroethane	50.00	57.5	115	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.9	97.7	80 - 130
Tetrachloroethene	50.00	52.7	105	45 - 150
Toluene	50.00	57.6	115	75 - 120
1,2,3-Trichlorobenzene	50.00	57.0	114	55 - 140
1,2,4-Trichlorobenzene	50.00	56.3	113	65 - 135
1,1,2-Trichloroethane	50.00	55.6	111	75 - 125
1,1,1-Trichloroethane	50.00	50.5	101	65 - 130
Trichloroethene	50.00	55.2	110	70 - 125
Trichlorofluoromethane	50.00	53.4	107	60 - 145
1,2,3-Trichloropropane	50.00	51.8	104	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07001	Laboratory ID:	1H07001-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	57.5	115	75 - 130
1,2,4-Trimethylbenzene	50.00	58.5	117	75 - 130
Vinyl chloride	50.00	56.0	112	50 - 145
m,p-Xylene	100.0	112	112	75 - 130
o-Xylene	50.00	55.6	111	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	96.6	96.6	5.52	30	40 - 140
Benzene	50.00	57.0	114	2.31	30	80 - 120
Bromobenzene	50.00	55.2	110	0.146	30	75 - 125
Bromochloromethane	50.00	55.2	110	2.40	30	65 - 130
Bromodichloromethane	50.00	55.4	111	5.79	30	75 - 120
Bromoform	50.00	42.6	85.2	2.06	30	70 - 130
Bromomethane	50.00	29.4	58.7	23.7	30	30 - 145
n-Butylbenzene	50.00	56.0	112	4.74	30	70 - 135
2-Butanone	100.0	118	118	2.25	30	30 - 150
sec-Butylbenzene	50.00	56.2	112	3.46	30	70 - 125
tert-Butylbenzene	50.00	55.9	112	2.25	30	70 - 130
Carbon disulfide	50.00	64.1	128	0.937	30	35 - 160
Carbon tetrachloride	50.00	49.2	98.5	5.89	30	65 - 140
Chlorobenzene	50.00	57.3	115	0.268	30	80 - 120
Chloroethane	50.00	61.3	123	1.47	30	60 - 135
Chloroform	50.00	49.0	97.9	3.22	30	65 - 135
Chloromethane	50.00	53.2	106	7.57	30	40 - 125
2-Chlorotoluene	50.00	56.3	113	1.80	30	75 - 125
4-Chlorotoluene	50.00	56.6	113	3.04	30	75 - 130
Dibromochloromethane	50.00	46.2	92.5	2.58	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.5	91.0	1.20	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	56.0	112	2.85	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07001	Laboratory ID:	1H07001-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.
Dibromomethane	50.00	54.4	109	1.86	30	75 - 125
1,2-Dichlorobenzene	50.00	54.7	109	1.50	30	70 - 120
1,3-Dichlorobenzene	50.00	55.1	110	1.71	30	75 - 125
1,4-Dichlorobenzene	50.00	54.3	109	1.00	30	75 - 125
Dichlorodifluoromethane	50.00	52.0	104	5.50	30	30 - 155
1,1-Dichloroethane	50.00	56.0	112	2.87	30	70 - 135
1,2-Dichloroethane	50.00	51.4	103	4.51	30	70 - 130
1,1-Dichloroethene	50.00	59.5	119	1.98	30	70 - 130
cis-1,2-Dichloroethene	50.00	55.4	111	2.10	30	70 - 125
trans-1,2-Dichloroethene	50.00	56.5	113	5.25	30	60 - 140
1,2-Dichloropropane	50.00	58.3	117	1.55	30	75 - 125
1,3-Dichloropropane	50.00	57.5	115	3.49	30	75 - 125
2,2-Dichloropropane	50.00	43.3	86.5	21.4	30	70 - 135
1,1-Dichloropropene	50.00	54.2	108	3.63	30	75 - 130
cis-1,3-Dichloropropene	50.00	53.2	106	5.35	30	70 - 130
trans-1,3-Dichloropropene	50.00	60.8	122	3.00	30	55 - 140
Ethylbenzene	50.00	54.3	109	2.30	30	75 - 125
Hexachlorobutadiene	50.00	47.8	95.6	15.4	30	50 - 140
2-Hexanone	100.0	121	121	4.59	30	55 - 130
Isopropylbenzene	50.00	55.1	110	6.33	30	75 - 125
p-Isopropyltoluene	50.00	57.8	116	3.03	30	75 - 130
Methylene chloride	50.00	57.8	116	2.08	30	55 - 140
Naphthalene	50.00	57.9	116	0.0459	30	55 - 140
4-Methyl-2-pentanone	100.0	113	113	4.16	30	60 - 135
Methyl t-Butyl Ether	50.00	52.8	106	3.64	30	65 - 125
n-Propylbenzene	50.00	57.3	115	1.24	30	70 - 130
Styrene	50.00	58.6	117	0.289	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	59.9	120	3.98	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.7	93.3	4.63	30	80 - 130
Tetrachloroethene	50.00	50.5	101	4.22	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07001	Laboratory ID:	1H07001-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.
Toluene	50.00	56.7	113	1.48	30	75 - 120
1,2,3-Trichlorobenzene	50.00	54.2	108	5.19	30	55 - 140
1,2,4-Trichlorobenzene	50.00	53.1	106	5.89	30	65 - 135
1,1,2-Trichloroethane	50.00	56.6	113	1.83	30	75 - 125
1,1,1-Trichloroethane	50.00	47.3	94.5	6.71	30	65 - 130
Trichloroethene	50.00	51.8	104	6.45	30	70 - 125
Trichlorofluoromethane	50.00	50.2	100	6.12	30	60 - 145
1,2,3-Trichloropropane	50.00	52.5	105	1.28	30	75 - 125
1,3,5-Trimethylbenzene	50.00	56.1	112	2.45	30	75 - 130
1,2,4-Trimethylbenzene	50.00	58.1	116	0.780	30	75 - 130
Vinyl chloride	50.00	49.1	98.3	13.0	30	50 - 145
m,p-Xylene	100.0	107	107	4.26	30	75 - 130
o-Xylene	50.00	54.6	109	1.81	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07002	Laboratory ID:	1H07002-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	97.0	97.0	40 - 140
Benzene	50.00	57.9	116	80 - 120
Bromobenzene	50.00	55.2	110	75 - 125
Bromochloromethane	50.00	57.0	114	65 - 130
Bromodichloromethane	50.00	57.8	116	75 - 120
Bromoform	50.00	44.7	89.5	70 - 130
Bromomethane	50.00	30.0	60.0	30 - 145
n-Butylbenzene	50.00	57.0	114	70 - 135
2-Butanone	100.0	113	113	30 - 150
sec-Butylbenzene	50.00	58.0	116	70 - 125
tert-Butylbenzene	50.00	56.5	113	70 - 130
Carbon disulfide	50.00	65.3	131	35 - 160
Carbon tetrachloride	50.00	52.3	105	65 - 140
Chlorobenzene	50.00	57.6	115	80 - 120
Chloroethane	50.00	60.9	122	60 - 135
Chloroform	50.00	51.4	103	65 - 135
Chloromethane	50.00	52.1	104	40 - 125
2-Chlorotoluene	50.00	58.0	116	75 - 125
4-Chlorotoluene	50.00	57.7	115	75 - 130
Dibromochloromethane	50.00	48.7	97.4	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.1	92.3	50 - 130
1,2-Dibromoethane (EDB)	50.00	57.0	114	80 - 120
Dibromomethane	50.00	54.7	109	75 - 125
1,2-Dichlorobenzene	50.00	55.9	112	70 - 120
1,3-Dichlorobenzene	50.00	56.6	113	75 - 125
1,4-Dichlorobenzene	50.00	55.1	110	75 - 125
Dichlorodifluoromethane	50.00	53.2	106	30 - 155
1,1-Dichloroethane	50.00	57.6	115	70 - 135
1,2-Dichloroethane	50.00	53.9	108	70 - 130
1,1-Dichloroethene	50.00	60.3	121	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07002	Laboratory ID:	1H07002-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	56.8	114	70 - 125
trans-1,2-Dichloroethene	50.00	58.3	117	60 - 140
1,2-Dichloropropane	50.00	58.4	117	75 - 125
1,3-Dichloropropane	50.00	57.4	115	75 - 125
2,2-Dichloropropane	50.00	45.3	90.6	70 - 135
1,1-Dichloropropene	50.00	56.2	112	75 - 130
cis-1,3-Dichloropropene	50.00	55.8	112	70 - 130
trans-1,3-Dichloropropene	50.00	63.8	128	55 - 140
Ethylbenzene	50.00	56.1	112	75 - 125
Hexachlorobutadiene	50.00	53.9	108	50 - 140
2-Hexanone	100.0	117	117	55 - 130
Isopropylbenzene	50.00	58.7	117	75 - 125
p-Isopropyltoluene	50.00	59.6	119	75 - 130
Methylene chloride	50.00	57.5	115	55 - 140
Naphthalene	50.00	57.8	116	55 - 140
4-Methyl-2-pentanone	100.0	110	110	60 - 135
Methyl t-Butyl Ether	50.00	53.9	108	65 - 125
n-Propylbenzene	50.00	58.5	117	70 - 130
Styrene	50.00	59.5	119	65 - 135
1,1,2,2-Tetrachloroethane	50.00	59.4	119	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.9	99.9	80 - 130
Tetrachloroethene	50.00	52.6	105	45 - 150
Toluene	50.00	58.7	117	75 - 120
1,2,3-Trichlorobenzene	50.00	57.2	114	55 - 140
1,2,4-Trichlorobenzene	50.00	56.4	113	65 - 135
1,1,2-Trichloroethane	50.00	58.1	116	75 - 125
1,1,1-Trichloroethane	50.00	50.0	99.9	65 - 130
Trichloroethene	50.00	54.6	109	70 - 125
Trichlorofluoromethane	50.00	53.8	108	60 - 145
1,2,3-Trichloropropane	50.00	53.6	107	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H07002	Laboratory ID:	1H07002-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	57.7	115	75 - 130
1,2,4-Trimethylbenzene	50.00	57.7	115	75 - 130
Vinyl chloride	50.00	54.7	109	50 - 145
m,p-Xylene	100.0	111	111	75 - 130
o-Xylene	50.00	55.7	111	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11001	Laboratory ID:	1H11001-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	93.4	93.4	40 - 140
Benzene	50.00	53.3	107	80 - 120
Bromobenzene	50.00	52.9	106	75 - 125
Bromochloromethane	50.00	53.7	107	65 - 130
Bromodichloromethane	50.00	56.0	112	75 - 120
Bromoform	50.00	43.0	85.9	70 - 130
Bromomethane	50.00	29.7	59.5	30 - 145
n-Butylbenzene	50.00	55.4	111	70 - 135
2-Butanone	100.0	103	103	30 - 150
sec-Butylbenzene	50.00	54.8	110	70 - 125
tert-Butylbenzene	50.00	53.9	108	70 - 130
Carbon disulfide	50.00	60.0	120	35 - 160
Carbon tetrachloride	50.00	52.3	105	65 - 140
Chlorobenzene	50.00	56.1	112	80 - 120
Chloroethane	50.00	55.0	110	60 - 135
Chloroform	50.00	50.5	101	65 - 135
Chloromethane	50.00	46.9	93.8	40 - 125
2-Chlorotoluene	50.00	53.6	107	75 - 125
4-Chlorotoluene	50.00	55.1	110	75 - 130
Dibromochloromethane	50.00	47.6	95.3	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.2	84.4	50 - 130
1,2-Dibromoethane (EDB)	50.00	52.7	105	80 - 120
Dibromomethane	50.00	53.0	106	75 - 125
1,2-Dichlorobenzene	50.00	51.9	104	70 - 120
1,3-Dichlorobenzene	50.00	54.2	108	75 - 125
1,4-Dichlorobenzene	50.00	52.3	105	75 - 125
Dichlorodifluoromethane	50.00	52.3	105	30 - 155
1,1-Dichloroethane	50.00	54.8	110	70 - 135
1,2-Dichloroethane	50.00	51.5	103	70 - 130
1,1-Dichloroethene	50.00	59.3	119	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11001	Laboratory ID:	1H11001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	53.8	108	70 - 125
trans-1,2-Dichloroethene	50.00	54.3	109	60 - 140
1,2-Dichloropropane	50.00	54.1	108	75 - 125
1,3-Dichloropropane	50.00	53.4	107	75 - 125
2,2-Dichloropropane	50.00	50.9	102	70 - 135
1,1-Dichloropropene	50.00	53.7	107	75 - 130
cis-1,3-Dichloropropene	50.00	52.3	105	70 - 130
trans-1,3-Dichloropropene	50.00	61.1	122	55 - 140
Ethylbenzene	50.00	54.3	109	75 - 125
Hexachlorobutadiene	50.00	52.9	106	50 - 140
2-Hexanone	100.0	113	113	55 - 130
Isopropylbenzene	50.00	56.5	113	75 - 125
p-Isopropyltoluene	50.00	57.3	115	75 - 130
Methylene chloride	50.00	52.9	106	55 - 140
Naphthalene	50.00	53.0	106	55 - 140
4-Methyl-2-pentanone	100.0	105	105	60 - 135
Methyl t-Butyl Ether	50.00	50.9	102	65 - 125
n-Propylbenzene	50.00	55.9	112	70 - 130
Styrene	50.00	57.5	115	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.8	106	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.0	97.9	80 - 130
Tetrachloroethene	50.00	54.2	108	45 - 150
Toluene	50.00	55.1	110	75 - 120
1,2,3-Trichlorobenzene	50.00	51.8	104	55 - 140
1,2,4-Trichlorobenzene	50.00	52.1	104	65 - 135
1,1,2-Trichloroethane	50.00	53.9	108	75 - 125
1,1,1-Trichloroethane	50.00	50.5	101	65 - 130
Trichloroethene	50.00	52.2	104	70 - 125
Trichlorofluoromethane	50.00	54.1	108	60 - 145
1,2,3-Trichloropropane	50.00	50.4	101	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11001	Laboratory ID:	1H11001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	54.4	109	75 - 130
1,2,4-Trimethylbenzene	50.00	56.0	112	75 - 130
Vinyl chloride	50.00	51.2	102	50 - 145
m,p-Xylene	100.0	109	109	75 - 130
o-Xylene	50.00	54.3	109	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12027	Laboratory ID:	1H12027-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	95.8	95.8	40 - 140
Benzene	50.00	48.0	95.9	80 - 120
Bromobenzene	50.00	49.9	99.7	75 - 125
Bromochloromethane	50.00	51.2	102	65 - 130
Bromodichloromethane	50.00	54.1	108	75 - 120
Bromoform	50.00	41.8	83.6	70 - 130
Bromomethane	50.00	29.2	58.3	30 - 145
n-Butylbenzene	50.00	49.3	98.6	70 - 135
2-Butanone	100.0	108	108	30 - 150
sec-Butylbenzene	50.00	48.6	97.2	70 - 125
tert-Butylbenzene	50.00	49.2	98.4	70 - 130
Carbon disulfide	50.00	54.1	108	35 - 160
Carbon tetrachloride	50.00	47.7	95.3	65 - 140
Chlorobenzene	50.00	50.7	101	80 - 120
Chloroethane	50.00	49.1	98.2	60 - 135
Chloroform	50.00	47.4	94.8	65 - 135
Chloromethane	50.00	40.0	80.0	40 - 125
2-Chlorotoluene	50.00	49.7	99.4	75 - 125
4-Chlorotoluene	50.00	51.3	103	75 - 130
Dibromochloromethane	50.00	45.8	91.6	60 - 135
1,2-Dibromo-3-chloropropane	50.00	41.7	83.4	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.1	100	80 - 120
Dibromomethane	50.00	51.1	102	75 - 125
1,2-Dichlorobenzene	50.00	49.0	98.1	70 - 120
1,3-Dichlorobenzene	50.00	50.3	101	75 - 125
1,4-Dichlorobenzene	50.00	48.2	96.4	75 - 125
Dichlorodifluoromethane	50.00	41.1	82.2	30 - 155
1,1-Dichloroethane	50.00	50.2	100	70 - 135
1,2-Dichloroethane	50.00	50.5	101	70 - 130
1,1-Dichloroethene	50.00	52.9	106	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12027	Laboratory ID:	1H12027-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	49.8	99.6	70 - 125
trans-1,2-Dichloroethene	50.00	51.3	103	60 - 140
1,2-Dichloropropane	50.00	50.0	100	75 - 125
1,3-Dichloropropane	50.00	51.7	103	75 - 125
2,2-Dichloropropane	50.00	46.3	92.7	70 - 135
1,1-Dichloropropene	50.00	47.5	95.0	75 - 130
cis-1,3-Dichloropropene	50.00	50.1	100	70 - 130
trans-1,3-Dichloropropene	50.00	58.3	117	55 - 140
Ethylbenzene	50.00	49.2	98.4	75 - 125
Hexachlorobutadiene	50.00	49.3	98.5	50 - 140
2-Hexanone	100.0	114	114	55 - 130
Isopropylbenzene	50.00	51.3	103	75 - 125
p-Isopropyltoluene	50.00	50.9	102	75 - 130
Methylene chloride	50.00	51.2	102	55 - 140
Naphthalene	50.00	47.1	94.1	55 - 140
4-Methyl-2-pentanone	100.0	105	105	60 - 135
Methyl t-Butyl Ether	50.00	49.0	98.1	65 - 125
n-Propylbenzene	50.00	49.8	99.7	70 - 130
Styrene	50.00	51.4	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.8	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	45.8	91.6	80 - 130
Tetrachloroethene	50.00	48.2	96.4	45 - 150
Toluene	50.00	50.6	101	75 - 120
1,2,3-Trichlorobenzene	50.00	48.1	96.2	55 - 140
1,2,4-Trichlorobenzene	50.00	48.5	97.0	65 - 135
1,1,2-Trichloroethane	50.00	51.4	103	75 - 125
1,1,1-Trichloroethane	50.00	47.5	95.0	65 - 130
Trichloroethene	50.00	48.8	97.6	70 - 125
Trichlorofluoromethane	50.00	48.6	97.2	60 - 145
1,2,3-Trichloropropane	50.00	50.0	99.9	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12027	Laboratory ID:	1H12027-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	49.7	99.4	75 - 130
1,2,4-Trimethylbenzene	50.00	51.3	103	75 - 130
Vinyl chloride	50.00	45.8	91.7	50 - 145
m,p-Xylene	100.0	98.6	98.6	75 - 130
o-Xylene	50.00	49.6	99.2	80 - 120

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H04007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8084-TB	1108019-09	08/04/11 00:00	5.00	5.00
GW8022-RB	1108046-13	08/04/11 00:00	5.00	5.00
GW8023-AB	1108046-15	08/04/11 00:00	5.00	5.00
GW8085-TB	1108046-16	08/04/11 00:00	5.00	5.00
Blank	1H04007-BLK1	08/04/11 00:00	5.00	5.00
LCS	1H04007-BS1	08/04/11 00:00	5.00	5.00
LCS Dup	1H04007-BSD1	08/04/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H06001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/06/11 00:00	5.00	5.00
GW0193	1108019-03	08/06/11 00:00	5.00	5.00
GW0194	1108019-05	08/06/11 00:00	5.00	5.00
GW0225	1108019-07	08/06/11 00:00	5.00	5.00
Blank	1H06001-BLK1	08/06/11 00:00	5.00	5.00
LCS	1H06001-BS1	08/06/11 00:00	5.00	5.00
LCS Dup	1H06001-BSD1	08/06/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H07001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0222	1108046-09	08/07/11 00:00	5.00	5.00
GW0223	1108046-11	08/07/11 00:00	5.00	5.00
Blank	1H07001-BLK1	08/07/11 00:00	5.00	5.00
LCS	1H07001-BS1	08/07/11 00:00	5.00	5.00
LCS Dup	1H07001-BSD1	08/07/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H07002 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/07/11 00:00	5.00	5.00
GW0228	1108056-05	08/07/11 00:00	5.00	5.00
GW8086-TB	1108056-07	08/07/11 00:00	5.00	5.00
Blank	1H07002-BLK1	08/07/11 00:00	5.00	5.00
LCS	1H07002-BS1	08/07/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H11001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0226	1108078-01	08/11/11 00:00	5.00	5.00
GW0227	1108078-03	08/11/11 00:00	5.00	5.00
GW8087-TB	1108078-05	08/11/11 00:00	5.00	5.00
Blank	1H11001-BLK1	08/11/11 00:00	5.00	5.00
LCS	1H11001-BS1	08/11/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H12027 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0245	1108097-01	08/12/11 00:00	5.00	5.00
GW0246	1108097-03	08/12/11 00:00	5.00	5.00
GW8024-AB	1108097-05	08/12/11 00:00	5.00	5.00
GW8088-TB	1108097-06	08/12/11 00:00	5.00	5.00
Blank	1H12027-BLK1	08/12/11 00:00	5.00	5.00
LCS	1H12027-BS1	08/12/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0715TUN1.D	Injection Date:	07/15/11
Instrument ID:	MS-VOA6	Injection Time:	06:41
Sequence:	1G19702	Lab Sample ID:	1G19702-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.8	PASS
75	30 - 60% of 95	53.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.07	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	94	PASS
175	5 - 9% of 174	7.32	PASS
176	95 - 101% of 174	98.7	PASS
177	5 - 9% of 176	6.46	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0804TUN2.D	Injection Date:	08/04/11
Instrument ID:	MS-VOA6	Injection Time:	19:07
Sequence:	1H21704	Lab Sample ID:	1H21704-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.8	PASS
75	30 - 60% of 95	60	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.88	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	65.7	PASS
175	5 - 9% of 174	7.88	PASS
176	95 - 101% of 174	95.9	PASS
177	5 - 9% of 176	7.02	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0806TUN1.D	Injection Date:	08/06/11
Instrument ID:	MS-VOA6	Injection Time:	06:45
Sequence:	1H21902	Lab Sample ID:	1H21902-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.3	PASS
75	30 - 60% of 95	58.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.45	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	74.1	PASS
175	5 - 9% of 174	7.43	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.89	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0807TUN1.D	Injection Date:	08/07/11
Instrument ID:	MS-VOA6	Injection Time:	07:53
Sequence:	1H22105	Lab Sample ID:	1H22105-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.4	PASS
75	30 - 60% of 95	55.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.3	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	83.5	PASS
175	5 - 9% of 174	6.86	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.48	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0807TUN2.D	Injection Date:	08/07/11
Instrument ID:	MS-VOA6	Injection Time:	19:07
Sequence:	1H22109	Lab Sample ID:	1H22109-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.6	PASS
75	30 - 60% of 95	56.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.65	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77	PASS
175	5 - 9% of 174	7.48	PASS
176	95 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.64	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0811TUN1.D	Injection Date:	08/11/11
Instrument ID:	MS-VOA6	Injection Time:	06:43
Sequence:	1H22403	Lab Sample ID:	1H22403-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.5	PASS
75	30 - 60% of 95	55.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.36	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	92.8	PASS
175	5 - 9% of 174	6.97	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.72	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0812TUN1.D	Injection Date:	08/12/11
Instrument ID:	MS-VOA6	Injection Time:	09:20
Sequence:	1H22501	Lab Sample ID:	1H22501-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.9	PASS
75	30 - 60% of 95	55.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.49	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	85.9	PASS
175	5 - 9% of 174	7.44	PASS
176	95 - 101% of 174	95.5	PASS
177	5 - 9% of 176	6.43	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G19702	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1G19702-TUN1	0715TUN1.D	07/15/11 06:41
Cal Standard	1G19702-CAL1	0715CAL1.D	07/15/11 07:34
Cal Standard	1G19702-CAL2	0715CAL2.D	07/15/11 08:01
Cal Standard	1G19702-CAL3	0715CAL3.D	07/15/11 08:28
Cal Standard	1G19702-CAL4	0715CAL4.D	07/15/11 08:55
Cal Standard	1G19702-CAL5	0715CAL5.D	07/15/11 09:21
Cal Standard	1G19702-CAL6	0715CAL6.D	07/15/11 09:48
Cal Standard	1G19702-CAL7	0715CAL7.D	07/15/11 10:15
Cal Standard	1G19702-CAL8	0715CAL8.D	07/15/11 10:42
Cal Standard	1G19702-CAL9	0715CAL9.D	07/15/11 11:08
Initial Cal Check	1G19702-ICV2	0715ICV2.D	07/15/11 12:29
Cal Standard	1G19702-CALA	0715CALA.D	07/15/11 12:56
Cal Standard	1G19702-CALB	0715CALB.D	07/15/11 13:22
Cal Standard	1G19702-CALC	0715CALC.D	07/15/11 13:49
Cal Standard	1G19702-CALD	0715CALD.D	07/15/11 14:16
Cal Standard	1G19702-CALE	0715CALE.D	07/15/11 14:43
Cal Standard	1G19702-CALF	0715CALF.D	07/15/11 15:09
Cal Standard	1G19702-CALG	0715CALG.D	07/15/11 15:36
Cal Standard	1G19702-CALH	0715CALH.D	07/15/11 16:03
Cal Standard	1G19702-CALI	0715CALI.D	07/15/11 16:30
Initial Cal Check	1G19702-ICV3	0715ICV3.D	07/15/11 16:57

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21704	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21704-TUN1	0804TUN2.D	08/04/11 19:07
Calibration Check	1H21704-CCV1	0804CCV2.D	08/04/11 19:33
LCS	1H04007-BS1	0804LCS2.D	08/04/11 20:00
Blank	1H04007-BLK1	0804BLK2.D	08/04/11 21:19
GW8084-TB	1108019-09	0801909.D	08/04/11 22:12
GW8022-RB	1108046-13	0804613.D	08/04/11 23:59
GW8085-TB	1108046-16	0804616.D	08/05/11 00:26
GW8023-AB	1108046-15	0804615.D	08/05/11 00:53
LCS Dup	1H04007-BSD1	0804LCD2.D	08/05/11 07:17

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21902	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21902-TUN1	0806TUN1.D	08/06/11 06:45
Calibration Check	1H21902-CCV1	0806CCV1.D	08/06/11 07:14
LCS	1H06001-BS1	0806LCS1.D	08/06/11 07:48
Blank	1H06001-BLK1	0806BLK1.D	08/06/11 09:07
GW0192	1108019-01	0801901.D	08/06/11 09:33
GW0193	1108019-03	0801903.D	08/06/11 10:00
GW0194	1108019-05	0801905.D	08/06/11 10:27
GW0225	1108019-07	0801907.D	08/06/11 10:54
LCS Dup	1H06001-BSD1	0806LCD1.D	08/06/11 18:28

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22105	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22105-TUN1	0807TUN1.D	08/07/11 07:53
Calibration Check	1H22105-CCV1	0807CCV1.D	08/07/11 08:19
LCS	1H07001-BS1	0807LCS1.D	08/07/11 08:54
Blank	1H07001-BLK1	0807BLK1.D	08/07/11 10:12
GW0222	1108046-09	0804609.D	08/07/11 16:53
GW0223	1108046-11	0804611.D	08/07/11 17:20
LCS Dup	1H07001-BSD1	0807LCD1.D	08/07/11 18:40

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22109	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22109-TUN1	0807TUN2.D	08/07/11 19:07
Calibration Check	1H22109-CCV1	0807CCV2.D	08/07/11 19:33
LCS	1H07002-BS1	0807LCS2.D	08/07/11 20:00
Blank	1H07002-BLK1	0807BLK2.D	08/07/11 21:18
GW8086-TB	1108056-07	0805607.D	08/07/11 21:45
GW0224	1108056-03	0805603.D	08/07/11 23:58
GW0228	1108056-05	0805605.D	08/08/11 00:25

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22403	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22403-TUN1	0811TUN1.D	08/11/11 06:43
Calibration Check	1H22403-CCV1	0811CCV1.D	08/11/11 07:10
LCS	1H11001-BS1	0811LCS1.D	08/11/11 07:37
Blank	1H11001-BLK1	0811BLK1.D	08/11/11 08:55
GW8087-TB	1108078-05	0807805.D	08/11/11 10:36
GW0226	1108078-01	0807801.D	08/11/11 16:51
GW0227	1108078-03	0807803.D	08/11/11 17:18

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22501	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22501-TUN1	0812TUN1.D	08/12/11 09:20
Calibration Check	1H22501-CCV1	0812CCV1.D	08/12/11 09:47
LCS	1H12027-BS1	0812LCS1.D	08/12/11 10:14
Blank	1H12027-BLK1	0812BLK1.D	08/12/11 11:32
GW8088-TB	1108097-06	0809706.D	08/12/11 12:01
GW0245	1108097-01	0809701.D	08/12/11 13:57
GW0246	1108097-03	0809703.D	08/12/11 14:23
GW8024-AB	1108097-05	0809705.D	08/12/11 14:50

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21704	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21704-CCV1)			Lab File ID: 0804CCV2.D			Analyzed: 08/04/11 19:33			
Fluorobenzene	803659	7.98	704952	7.974	114	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	326878	11.082	316180	11.085	103	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	314554	13.474	316197	13.477	99	50 - 200	-0.0030	+/-0.50	
LCS (1H04007-BS1)			Lab File ID: 0804LCS2.D			Analyzed: 08/04/11 20:00			
Fluorobenzene	763621	7.977	803659	7.98	95	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	332324	11.088	326878	11.082	102	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	315965	13.471	314554	13.474	100	50 - 200	-0.0030	+/-0.50	
Blank (1H04007-BLK1)			Lab File ID: 0804BLK2.D			Analyzed: 08/04/11 21:19			
Fluorobenzene	808532	7.974	803659	7.98	101	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	370669	11.085	326878	11.082	113	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	355201	13.468	314554	13.474	113	50 - 200	-0.0060	+/-0.50	
GW8084-TB (1108019-09)			Lab File ID: 0801909.D			Analyzed: 08/04/11 22:12			
Fluorobenzene	794761	7.976	803659	7.98	99	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	369120	11.078	326878	11.082	113	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	351088	13.47	314554	13.474	112	50 - 200	-0.0040	+/-0.50	
GW8022-RB (1108046-13)			Lab File ID: 0804613.D			Analyzed: 08/04/11 23:59			
Fluorobenzene	781919	7.977	803659	7.98	97	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	363659	11.078	326878	11.082	111	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	346049	13.471	314554	13.474	110	50 - 200	-0.0030	+/-0.50	
GW8085-TB (1108046-16)			Lab File ID: 0804616.D			Analyzed: 08/05/11 00:26			
Fluorobenzene	792483	7.975	803659	7.98	99	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	359952	11.086	326878	11.082	110	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	343861	13.469	314554	13.474	109	50 - 200	-0.0050	+/-0.50	
GW8023-AB (1108046-15)			Lab File ID: 0804615.D			Analyzed: 08/05/11 00:53			
Fluorobenzene	762061	7.974	803659	7.98	95	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	357303	11.085	326878	11.082	109	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	336721	13.468	314554	13.474	107	50 - 200	-0.0060	+/-0.50	
LCS Dup (1H04007-BSD1)			Lab File ID: 0804LCD2.D			Analyzed: 08/05/11 07:17			
Fluorobenzene	798875	7.971	803659	7.98	99	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	342793	11.083	326878	11.082	105	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	321052	13.475	314554	13.474	102	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21902	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21902-CCV1)			Lab File ID: 0806CCV1.D			Analyzed: 08/06/11 07:14			
Fluorobenzene	745946	7.976	704952	7.974	106	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	306797	11.077	316180	11.085	97	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	300401	13.47	316197	13.477	95	50 - 200	-0.0070	+/-0.50	
LCS (1H06001-BS1)			Lab File ID: 0806LCS1.D			Analyzed: 08/06/11 07:48			
Fluorobenzene	703320	7.971	745946	7.976	94	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	312343	11.082	306797	11.077	102	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	299493	13.464	300401	13.47	100	50 - 200	-0.0060	+/-0.50	
Blank (1H06001-BLK1)			Lab File ID: 0806BLK1.D			Analyzed: 08/06/11 09:07			
Fluorobenzene	723165	7.97	745946	7.976	97	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	339586	11.081	306797	11.077	111	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	329799	13.464	300401	13.47	110	50 - 200	-0.0060	+/-0.50	
GW0192 (1108019-01)			Lab File ID: 0801901.D			Analyzed: 08/06/11 09:33			
Fluorobenzene	701729	7.967	745946	7.976	94	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	335355	11.078	306797	11.077	109	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	328582	13.47	300401	13.47	109	50 - 200	0.0000	+/-0.50	
GW0193 (1108019-03)			Lab File ID: 0801903.D			Analyzed: 08/06/11 10:00			
Fluorobenzene	731942	7.971	745946	7.976	98	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	339074	11.072	306797	11.077	111	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	319371	13.465	300401	13.47	106	50 - 200	-0.0050	+/-0.50	
GW0194 (1108019-05)			Lab File ID: 0801905.D			Analyzed: 08/06/11 10:27			
Fluorobenzene	728534	7.973	745946	7.976	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	340150	11.074	306797	11.077	111	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	327495	13.467	300401	13.47	109	50 - 200	-0.0030	+/-0.50	
GW0225 (1108019-07)			Lab File ID: 0801907.D			Analyzed: 08/06/11 10:54			
Fluorobenzene	709258	7.974	745946	7.976	95	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	337861	11.076	306797	11.077	110	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	320982	13.468	300401	13.47	107	50 - 200	-0.0020	+/-0.50	
LCS Dup (1H06001-BSD1)			Lab File ID: 0806LCD1.D			Analyzed: 08/06/11 18:28			
Fluorobenzene	730187	7.977	745946	7.976	98	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	317906	11.078	306797	11.077	104	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	301381	13.471	300401	13.47	100	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22105	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22105-CCV1)			Lab File ID: 0807CCV1.D			Analyzed: 08/07/11 08:19			
Fluorobenzene	796948	7.976	704952	7.974	113	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	318209	11.078	316180	11.085	101	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	312776	13.47	316197	13.477	99	50 - 200	-0.0070	+/-0.50	
LCS (1H07001-BS1)			Lab File ID: 0807LCS1.D			Analyzed: 08/07/11 08:54			
Fluorobenzene	740507	7.976	796948	7.976	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	334855	11.088	318209	11.078	105	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	318574	13.47	312776	13.47	102	50 - 200	0.0000	+/-0.50	
Blank (1H07001-BLK1)			Lab File ID: 0807BLK1.D			Analyzed: 08/07/11 10:12			
Fluorobenzene	759124	7.981	796948	7.976	95	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	356941	11.083	318209	11.078	112	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	338688	13.475	312776	13.47	108	50 - 200	0.0050	+/-0.50	
GW0222 (1108046-09)			Lab File ID: 0804609.D			Analyzed: 08/07/11 16:53			
Fluorobenzene	726097	7.987	796948	7.976	91	50 - 200	0.0110	+/-0.50	
Chlorobenzene-d5	340054	11.088	318209	11.078	107	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	328541	13.471	312776	13.47	105	50 - 200	0.0010	+/-0.50	
GW0223 (1108046-11)			Lab File ID: 0804611.D			Analyzed: 08/07/11 17:20			
Fluorobenzene	722269	7.984	796948	7.976	91	50 - 200	0.0080	+/-0.50	
Chlorobenzene-d5	337985	11.085	318209	11.078	106	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	327932	13.478	312776	13.47	105	50 - 200	0.0080	+/-0.50	
LCS Dup (1H07001-BSD1)			Lab File ID: 0807LCD1.D			Analyzed: 08/07/11 18:40			
Fluorobenzene	780550	7.987	796948	7.976	98	50 - 200	0.0110	+/-0.50	
Chlorobenzene-d5	340914	11.089	318209	11.078	107	50 - 200	0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	312668	13.471	312776	13.47	100	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22109	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22109-CCV1)			Lab File ID: 0807CCV2.D			Analyzed: 08/07/11 19:33			
Fluorobenzene	789041	7.983	704952	7.974	112	50 - 200	0.0090	+/-0.50	
Chlorobenzene-d5	312119	11.085	316180	11.085	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	298953	13.477	316197	13.477	95	50 - 200	0.0000	+/-0.50	
LCS (1H07002-BS1)			Lab File ID: 0807LCS2.D			Analyzed: 08/07/11 20:00			
Fluorobenzene	732361	7.986	789041	7.983	93	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	321214	11.088	312119	11.085	103	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	305127	13.48	298953	13.477	102	50 - 200	0.0030	+/-0.50	
Blank (1H07002-BLK1)			Lab File ID: 0807BLK2.D			Analyzed: 08/07/11 21:18			
Fluorobenzene	763471	7.984	789041	7.983	97	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	354743	11.086	312119	11.085	114	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	329102	13.478	298953	13.477	110	50 - 200	0.0010	+/-0.50	
GW8086-TB (1108056-07)			Lab File ID: 0805607.D			Analyzed: 08/07/11 21:45			
Fluorobenzene	731265	7.982	789041	7.983	93	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	351645	11.084	312119	11.085	113	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	328165	13.476	298953	13.477	110	50 - 200	-0.0010	+/-0.50	
GW0224 (1108056-03)			Lab File ID: 0805603.D			Analyzed: 08/07/11 23:58			
Fluorobenzene	728016	7.977	789041	7.983	92	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	342212	11.089	312119	11.085	110	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	320973	13.471	298953	13.477	107	50 - 200	-0.0060	+/-0.50	
GW0228 (1108056-05)			Lab File ID: 0805605.D			Analyzed: 08/08/11 00:25			
Fluorobenzene	742010	7.977	789041	7.983	94	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	345044	11.088	312119	11.085	111	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	325334	13.47	298953	13.477	109	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22403	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22403-CCV1)			Lab File ID: 0811CCV1.D			Analyzed: 08/11/11 07:10			
Fluorobenzene	734852	7.977	704952	7.974	104	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	284248	11.078	316180	11.085	90	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	284512	13.47	316197	13.477	90	50 - 200	-0.0070	+/-0.50	
LCS (1H11001-BS1)			Lab File ID: 0811LCS1.D			Analyzed: 08/11/11 07:37			
Fluorobenzene	678099	7.974	734852	7.977	92	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	293425	11.085	284248	11.078	103	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	284796	13.468	284512	13.47	100	50 - 200	-0.0020	+/-0.50	
Blank (1H11001-BLK1)			Lab File ID: 0811BLK1.D			Analyzed: 08/11/11 08:55			
Fluorobenzene	705834	7.976	734852	7.977	96	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	329422	11.077	284248	11.078	116	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	311415	13.47	284512	13.47	109	50 - 200	0.0000	+/-0.50	
GW8087-TB (1108078-05)			Lab File ID: 0807805.D			Analyzed: 08/11/11 10:36			
Fluorobenzene	695246	7.971	734852	7.977	95	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	326362	11.082	284248	11.078	115	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	305519	13.474	284512	13.47	107	50 - 200	0.0040	+/-0.50	
GW0226 (1108078-01)			Lab File ID: 0807801.D			Analyzed: 08/11/11 16:51			
Fluorobenzene	687294	7.971	734852	7.977	94	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	315037	11.082	284248	11.078	111	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	305141	13.475	284512	13.47	107	50 - 200	0.0050	+/-0.50	
GW0227 (1108078-03)			Lab File ID: 0807803.D			Analyzed: 08/11/11 17:18			
Fluorobenzene	679293	7.976	734852	7.977	92	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	313845	11.077	284248	11.078	110	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	307305	13.47	284512	13.47	108	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22501	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22501-CCV1)			Lab File ID: 0812CCV1.D			Analyzed: 08/12/11 09:47			
Fluorobenzene	765926	7.971	704952	7.974	109	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	306419	11.082	316180	11.085	97	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	306734	13.474	316197	13.477	97	50 - 200	-0.0030	+/-0.50	
LCS (1H12027-BS1)			Lab File ID: 0812LCS1.D			Analyzed: 08/12/11 10:14			
Fluorobenzene	700738	7.971	765926	7.971	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	307976	11.082	306419	11.082	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	296816	13.464	306734	13.474	97	50 - 200	-0.0100	+/-0.50	
Blank (1H12027-BLK1)			Lab File ID: 0812BLK1.D			Analyzed: 08/12/11 11:32			
Fluorobenzene	700273	7.974	765926	7.971	91	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	326470	11.075	306419	11.082	107	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	310570	13.468	306734	13.474	101	50 - 200	-0.0060	+/-0.50	
GW8088-TB (1108097-06)			Lab File ID: 0809706.D			Analyzed: 08/12/11 12:01			
Fluorobenzene	682910	7.971	765926	7.971	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	328786	11.082	306419	11.082	107	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	305577	13.474	306734	13.474	100	50 - 200	0.0000	+/-0.50	
GW0245 (1108097-01)			Lab File ID: 0809701.D			Analyzed: 08/12/11 13:57			
Fluorobenzene	677566	7.972	765926	7.971	88	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	316600	11.083	306419	11.082	103	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	299630	13.466	306734	13.474	98	50 - 200	-0.0080	+/-0.50	
GW0246 (1108097-03)			Lab File ID: 0809703.D			Analyzed: 08/12/11 14:23			
Fluorobenzene	686387	7.971	765926	7.971	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	325366	11.082	306419	11.082	106	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	309454	13.474	306734	13.474	101	50 - 200	0.0000	+/-0.50	
GW8024-AB (1108097-05)			Lab File ID: 0809705.D			Analyzed: 08/12/11 14:50			
Fluorobenzene	700081	7.974	765926	7.971	91	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	325915	11.085	306419	11.082	106	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	307238	13.468	306734	13.474	100	50 - 200	-0.0060	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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												
Acrolein	2.505		5.01	3.516299E-02	10.02	3.315021E-02	25.05	3.111651E-02	50.1	2.395619E-02	250.5	2.745265E-02
Acrylonitrile	2.499	4.485666E-02	4.998	6.503729E-02	9.996	0.0625373	24.99	6.171737E-02	49.98	4.586526E-02	249.9	5.733643E-02
Benzene	0.5	0.7683106	1	0.9987422	2	0.9974636	5	1.025251	10	0.761768	50	0.9181442
Bromobenzene	0.5	0.519666	1	0.677829	2	0.7071289	5	0.6990209	10	0.5322124	50	0.6723208
Bromochloromethane	0.5	0.1109034	1	0.1414823	2	0.1490181	5	0.1540066	10	0.1166911	50	0.1395279
Tert-Amyl Methyl Ether	0.5	0.6170864	1	0.8172161	2	0.8427215	5	0.8141377	10	0.6162281	50	0.7622576
Bromodichloromethane	0.5	0.2645143	1	0.3559498	2	0.3735889	5	0.3964907	10	0.3065721	50	0.4006022
Bromoform	0.5	0.3017993	1	0.3261066	2	0.3727241	5	0.3968558	10	0.3252551	50	0.5093746
Bromomethane	0.5	0.1052772	1	0.1176477	2	0.1341701	5	0.1337246	10	0.1195898	50	0.15519
Bromofluorobenzene												
n-Butylbenzene	0.5	1.267571	1	1.610473	2	1.744405	5	1.733934	10	1.332017	50	1.706929
2-Butanone												
sec-Butylbenzene	0.5	1.52232	1	1.937164	2	2.063283	5	2.117038	10	1.588257	50	2.040503
tert-Butylbenzene	0.5	1.354545	1	1.651859	2	1.733921	5	1.799536	10	1.381512	50	1.696546
Carbon disulfide	0.5	~~0.3407231~~	1	0.4759941	2	0.4640326	5	0.5067477	10	0.3880703	50	0.4981
Carbon tetrachloride	0.5	0.3004876	1	0.4038368	2	0.3954736	5	0.4271951	10	0.3173527	50	0.4233337
Chlorobenzene	0.5	1.069022	1	1.333761	2	1.381095	5	1.428576	10	1.056455	50	1.33295
Chloroethane	0.5	8.575618E-02	1	0.1263624	2	0.1151044	5	0.1279508	10	9.351055E-02	50	0.1178102
Chloroform	0.5	0.4994488	1	0.5735545	2	0.5587372	5	0.5624692	10	0.4217041	50	0.5108743
2-Chloroethyl vinyl ether	0.9975	8.302279E-02	1.995	0.1062357	3.99	0.1182728	9.975	0.1169855	19.95	9.125136E-02	99.75	0.1165558
Chloromethane	0.5	0.2534325	1	0.2578664	2	0.2312847	5	0.209529	10	0.1748364	50	0.2078432
1-Chlorohexane	0.4992	0.758759	0.9985	0.7870677	1.997	0.7204925	4.992	0.7023603	9.985	0.5071741	49.92	0.6403381
2-Chlorotoluene	0.5	1.391223	1	1.731243	2	1.814518	5	1.825186	10	1.394382	50	1.763758
4-Chlorotoluene	0.5	1.661769	1	2.026895	2	2.076631	5	2.122455	10	1.615076	50	2.070226
Cyclohexane	0.5	0.2845468	1	0.3755577	2	0.3621409	5	0.3783555	10	0.2786667	50	0.3363242
Dibromochloromethane	0.5	0.4166766	1	0.5032854	2	0.5206825	5	0.5878284	10	0.4560851	50	0.6603552
1,2-Dibromo-3-chloropropane	0.5	7.081403E-02	1	9.339262E-02	2	0.1053996	5	0.1203486	10	9.471553E-02	50	0.1401726
1,2-Dibromoethane (EDB)	0.5	0.4026978	1	0.4846018	2	0.5443396	5	0.5210569	10	0.4050521	50	0.5260555
Dibromomethane	0.5	0.1501159	1	0.1917658	2	0.1931318	5	0.2015911	10	0.1523579	50	0.1779598
1,2-Dichlorobenzene	0.5	0.8626601	1	1.113478	2	1.130067	5	1.198253	10	0.8835991	50	1.118052

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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	0.8662916	1	1.106062	2	1.207384	5	1.181337	10	0.9147585	50	1.14393
1,4-Dichlorobenzene	0.5	0.9036959	1	1.198447	2	1.230894	5	1.229874	10	0.9654535	50	1.187079
Dichlorodifluoromethane	0.5	0.2316951	1	0.3165596	2	0.3185437	5	0.3304334	10	0.2601937	50	0.3270458
1,1-Dichloroethane	0.5	0.3453263	1	0.4565604	2	0.478063	5	0.4714727	10	0.3541479	50	0.4447682
1,2-Dichloroethane	0.5	0.3325396	1	0.4579547	2	0.4493783	5	0.4631193	10	0.3489794	50	0.4401853
1,1-Dichloroethene	0.5	0.1209622	1	0.1599138	2	0.1560763	5	0.1617974	10	0.1193701	50	0.1529015
cis-1,2-Dichloroethene	0.5	0.1958923	1	0.269239	2	0.2793793	5	0.2741147	10	0.2181138	50	0.2591849
trans-1,2-Dichloroethene	0.5	0.2022005	1	0.2335961	2	0.2485213	5	0.2556938	10	0.1986028	50	0.2304381
1,2-Dichloroethene (total)	1	0.1990464	2	0.2514176	4	0.2639503	10	0.2649042	20	0.2083583	100	0.2448115
1,2-Dichloropropane	0.5	0.1813155	1	0.2283238	2	0.2412479	5	0.2498507	10	0.1871417	50	0.2197187
1,3-Dichloropropane	0.5	0.7070061	1	0.8912196	2	0.8596041	5	0.9144662	10	0.6743494	50	0.8618805
2,2-Dichloropropane	0.5	0.3550442	1	0.4445777	2	0.4690466	5	0.4860934	10	0.3593422	50	0.4465681
1,1-Dichloropropene	0.5	0.2875304	1	0.3722462	2	0.3943331	5	0.406359	10	0.2988883	50	0.3644921
cis-1,3-Dichloropropene	0.5	0.3231627	1	0.4214839	2	0.4368974	5	0.4499442	10	0.3442891	50	0.4347821
trans-1,3-Dichloropropene	0.5	0.5919496	1	0.7907611	2	0.8212229	5	0.8808719	10	0.647334	50	0.8842922
1,3-Dichloropropene (total)	1	0.302363	2	0.4016145	4	0.4152817	10	0.4351546	20	0.328396	100	0.4188253
Diisopropyl Ether	0.5	0.7931168	1	0.94689	2	1.023179	5	1.025346	10	0.7709506	50	0.9310327
Ethylbenzene	0.5	2.00865	1	2.456856	2	2.540162	5	2.611434	10	1.929422	50	2.480338
Ethyl tert-Butyl Ether	0.5	0.6505024	1	0.8610943	2	0.8714922	5	0.8862198	10	0.6700664	50	0.8184773
Ethyl Methacrylate	0.5	0.570623	1	0.7026681	2	0.7121844	5	0.731076	10	0.5524412	50	0.71859
Hexachlorobutadiene	0.5	0.2776273	1	0.3979258	2	0.3771662	5	0.3972924	10	0.3167215	50	0.3938953
2-Hexanone												
Iodomethane	0.5	0.144916	1	0.2107638	2	0.2513188	5	0.2917824	10	0.2176615	50	0.3285924
Isopropylbenzene	0.5	1.333007	1	1.795256	2	1.854912	5	1.959573	10	1.426988	50	1.841155
p-Isopropyltoluene	0.5	1.36199	1	1.659733	2	1.722328	5	1.789824	10	1.35548	50	1.725002
Methylene chloride	0.5	0.181486	1	0.2110688	2	0.2023849	5	0.1913245	10	0.1451953	50	0.1807224
Methyl Acetate	0.5		1	0.1953824	2	0.1805432	5	0.1654245	10	0.1237676	50	0.1636201
Methylcyclohexane	0.5	0.245931	1	0.327845	2	0.3356081	5	0.3383454	10	0.2579799	50	0.3078417
Naphthalene	0.5	1.097617	1	1.322421	2	1.42077	5	1.422771	10	1.112214	50	1.42546
Methyl Methacrylate	0.5	0.2365541	1	0.3014832	2	0.2888046	5	0.2923365	10	0.222774	50	0.287641
4-Methyl-2-pentanone												

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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
Methyl t-Butyl Ether	0.5	0.6015719	1	0.8119001	2	0.805042	5	0.8238242	10	0.6437373	50	0.7714644
n-Propylbenzene	0.5	2.139128	1	2.74675	2	2.780019	5	2.724383	10	2.161481	50	2.720706
Styrene	0.5	1.090349	1	1.356055	2	1.412922	5	1.443668	10	1.090117	50	1.36856
1,1,2,2-Tetrachloroethane	0.5	0.4483073	1	0.5960647	2	0.6241301	5	0.6393902	10	0.5067431	50	0.6174854
1,1,1,2-Tetrachloroethane	0.5	0.3793997	1	0.522962	2	0.5434418	5	0.5678387	10	0.4240022	50	0.5812154
tert-Butyl alcohol	2.5	1.266736E-02	5	1.837919E-02	10	2.036114E-02	25	2.096588E-02	50	1.673637E-02	250	2.001506E-02
Tetrachloroethene	0.5	0.4408707	1	0.5948985	2	0.6114506	5	0.6158902	10	0.4529357	50	0.5767592
Toluene	0.5	0.9869411	1	1.242599	2	1.255671	5	1.265266	10	0.936527	50	1.173286
1,2,3-Trichlorobenzene	0.5	0.5133109	1	0.6254559	2	0.6456535	5	0.6725225	10	0.5176826	50	0.6519836
1,2,4-Trichlorobenzene	0.5	0.5182134	1	0.6776459	2	0.7298531	5	0.7360966	10	0.5596597	50	0.7127559
1,1,2-Trichloroethane	0.5	0.2953476	1	0.4290021	2	0.3996133	5	0.426006	10	0.3287257	50	0.4128593
1,1,1-Trichloroethane	0.5	0.3490771	1	0.4400461	2	0.4520897	5	0.4849421	10	0.3655788	50	0.4560793
Tetrahydrofuran	0.5		1	9.202668E-02	2	7.800586E-02	5	0.0783667	10	5.803762E-02	50	6.937001E-02
Trichloroethene	0.5	0.2068889	1	0.2740757	2	0.2883957	5	0.287082	10	0.2157535	50	0.2605125
Trichlorofluoromethane	0.5	0.3048351	1	0.4015274	2	0.437005	5	0.4623661	10	0.3528127	50	0.451817
1,2,3-Trichloropropane	0.5	0.1365624	1	0.1726659	2	0.188629	5	0.1938205	10	0.1430798	50	0.18817
1,3,5-Trimethylbenzene	0.5	1.336751	1	1.765212	2	1.903197	5	1.885923	10	1.434485	50	1.845239
1,2,4-Trimethylbenzene	0.5	1.361445	1	1.798266	2	1.839828	5	1.881224	10	1.445443	50	1.855942
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1317031	1	0.1667112	2	0.1866976	5	0.1969772	10	0.1511261	50	0.1869901
Vinyl chloride	0.5	0.1115853	1	0.1670598	2	0.1591965	5	0.1544481	10	0.1406685	50	0.1618295
m,p-Xylene	1	1.520914	2	1.966884	4	1.987024	10	2.000015	20	1.508516	100	1.924958
o-Xylene	0.5	1.701833	1	2.041754	2	2.057277	5	2.087892	10	1.573271	50	2.035728
Vinyl acetate	1.001	0.5386342	2.002	0.7003495	4.004	0.6894311	10.01	0.6801095	20.02	0.5344884	100.1	0.6589896
Xylenes (total)	1.5	1.581221	3	1.991841	6	2.010441	15	2.029307	30	1.530101	150	1.961881
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5		5	1.654912E-02	10	1.567864E-02	25	1.677963E-02	50	0.0134742	250	1.603323E-02
tert-Amyl ethyl ether	0.5	0.5125764	1	0.6541214	2	0.6591442	5	0.6731157	10	0.5291911	50	0.6343614

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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							1	~~0.1422652~~	2	0.1111714	4	0.0884889
Acrolein	501	2.875959E-02	751.5	2.860378E-02	1002	2.889018E-02						
Acrylonitrile	499.8	6.085155E-02	749.6	0.0584169	999.5	5.785787E-02						
Benzene	100	0.9387375	150	0.8947021	200	0.8354405						
Bromobenzene	100	0.6840397	150	0.6819258	200	0.6739128						
Bromochloromethane	100	0.142322	150	0.1355677	200	0.1308451						
Tert-Amyl Methyl Ether	100	0.807375	150	0.7691344	200	0.7414049						
Bromodichloromethane	100	0.4204359	150	0.4115817	200	0.3947849						
Bromoform	100	0.5705598	150	0.6029215	200	0.6064382						
Bromomethane	100	0.1705069	150	0.1768687	200	0.1764894						
Bromofluorobenzene							30	0.8860509	35	0.8472739	40	0.8139772
n-Butylbenzene	100	1.768282	150	1.78069	200	1.756123						
2-Butanone							1	0.1417618	2	0.1391772	4	0.1303429
sec-Butylbenzene	100	2.082689	150	2.080056	200	2.073856						
tert-Butylbenzene	100	1.736447	150	1.704461	200	1.675738						
Carbon disulfide	100	0.558192	150	0.5400653	200	0.5489952						
Carbon tetrachloride	100	0.4502064	150	0.4452133	200	0.4338564						
Chlorobenzene	100	1.378625	150	1.372738	200	1.335604						
Chloroethane	100	0.1218032	150	0.1200577	200	0.1192623						
Chloroform	100	0.5299195	150	0.523271	200	0.4976453						
2-Chloroethyl vinyl ether	199.5	0.1191496	299.2	0.1153465	399	0.108379						
Chloromethane	100	0.2159079	150	0.2056193	200	0.2083125						
1-Chlorohexane	99.85	0.6614201	149.8	0.672575	199.7	0.6651357						
2-Chlorotoluene	100	1.786765	150	1.806771	200	1.808341						
4-Chlorotoluene	100	2.123714	150	2.11129	200	2.10736						
Cyclohexane	100	0.3451303	150	0.3340647	200	0.3239821						
Dibromochloromethane	100	0.7189677	150	0.7608246	200	0.7574869						
1,2-Dibromo-3-chloropropane	100	0.1541997	150	0.1606072	200	0.1663282						
1,2-Dibromoethane (EDB)	100	0.5501278	150	0.5731653	200	0.57001						
Dibromomethane	100	0.1914973	150	0.1860576	200	0.1767915						
1,2-Dichlorobenzene	100	1.138972	150	1.133297	200	1.129082						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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	1.170233	150	1.167258	200	1.155144						
1,4-Dichlorobenzene	100	1.202532	150	1.215574	200	1.184769						
Dichlorodifluoromethane	100	0.3445984	150	0.3202853	200	0.3121971						
1,1-Dichloroethane	100	0.4534819	150	0.4505517	200	0.4327821						
1,2-Dichloroethane	100	0.4547901	150	0.4559227	200	0.4347996						
1,1-Dichloroethene	100	0.1604101	150	0.1577358	200	0.1539291						
cis-1,2-Dichloroethene	100	0.2612271	150	0.2554939	200	0.2408425						
trans-1,2-Dichloroethene	100	0.2309383	150	0.2151291	200	0.2010758						
1,2-Dichloroethene (total)	200	0.2460827	300	0.2353115	400	0.2209591						
1,2-Dichloropropane	100	0.2217015	150	0.2136481	200	0.204283						
1,3-Dichloropropane	100	0.8948023	150	0.9385254	200	0.9100537						
2,2-Dichloropropane	100	0.4688787	150	0.4612482	200	0.4372489						
1,1-Dichloropropene	100	0.3717713	150	0.3618101	200	0.3404212						
cis-1,3-Dichloropropene	100	0.4484216	150	0.4356115	200	0.4122287						
trans-1,3-Dichloropropene	100	0.8983652	150	0.9340636	200	0.9066197						
1,3-Dichloropropene (total)	200	0.4256749	300	0.4129476	400	0.3898808						
Diisopropyl Ether	100	0.9456052	150	0.9373985	200	0.887402						
Ethylbenzene	100	2.566703	150	2.611992	200	2.572266						
Ethyl tert-Butyl Ether	100	0.8462683	150	0.8254319	200	0.7801435						
Ethyl Methacrylate	100	0.7455253	150	0.762591	200	0.7519589						
Hexachlorobutadiene	100	0.4191425	150	0.4287574	200	0.4374045						
2-Hexanone							1	0.3923413	2	0.4040389	4	0.39792
Iodomethane	100	0.3532704	150	0.351973	200	0.3491904						
Isopropylbenzene	100	1.928477	150	1.995785	200	1.956553						
p-Isopropyltoluene	100	1.786147	150	1.771334	200	1.750816						
Methylene chloride	100	0.1905062	150	0.188901	200	0.1832898						
Methyl Acetate	100	0.1714857	150	0.1636535	200	0.1614476						
Methylcyclohexane	100	0.31874	150	0.3041178	200	0.2945161						
Naphthalene	100	1.462316	150	1.538521	200	1.5239						
Methyl Methacrylate	100	0.2773419	150	0.2664474	200	0.261145						
4-Methyl-2-pentanone							1	0.2379617	2	0.2768849	4	0.2691591

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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
Methyl t-Butyl Ether	100	0.7962738	150	0.7671117	200	0.7298215						
n-Propylbenzene	100	2.728506	150	2.786386	200	2.751407						
Styrene	100	1.410488	150	1.399224	200	1.355911						
1,1,2,2-Tetrachloroethane	100	0.6402708	150	0.6365311	200	0.6458531						
1,1,1,2-Tetrachloroethane	100	0.621416	150	0.6488474	200	0.6379132						
tert-Butyl alcohol	500	0.0211634	750	2.112146E-02	1000	1.983433E-02						
Tetrachloroethene	100	0.6085309	150	0.6234801	200	0.6124905						
Toluene	100	1.140879	150	1.135754	200	1.080437						
1,2,3-Trichlorobenzene	100	0.6895976	150	0.6890969	200	0.7011616						
1,2,4-Trichlorobenzene	100	0.7424444	150	0.7649668	200	0.7577524						
1,1,2-Trichloroethane	100	0.4233029	150	0.4270949	200	0.4154407						
1,1,1-Trichloroethane	100	0.4797127	150	0.4841176	200	0.4624364						
Tetrahydrofuran	100	7.151423E-02	150	6.914114E-02	200	6.885468E-02						
Trichloroethene	100	0.2681625	150	0.2599899	200	0.2459284						
Trichlorofluoromethane	100	0.4865948	150	0.4744342	200	0.4668765						
1,2,3-Trichloropropane	100	0.2033297	150	0.2102536	200	0.2103444						
1,3,5-Trimethylbenzene	100	1.844314	150	1.855347	200	1.828179						
1,2,4-Trimethylbenzene	100	1.855828	150	1.852041	200	1.81729						
1,1,2-Trichloro-1,2,2-trifluoroethar	100	0.194898	150	0.1944044	200	0.1905808						
Vinyl chloride	100	0.1661011	150	0.1686097	200	0.1683015						
m,p-Xylene	200	1.948491	300	1.968469	400	1.93279						
o-Xylene	100	2.11791	150	2.133842	200	2.121112						
Vinyl acetate	200.2	0.6793382	300.4	0.6653102	400.5	0.6416976						
Xylenes (total)	300	2.004964	450	2.023593	600	1.995564						
Dibromofluoromethane							30	0.3310138	35	0.3268755	40	0.3157705
1,2-Dichloroethane-d4							30	6.422561E-02	35	6.321739E-02	40	5.987621E-02
Toluene-d8							30	2.018665	35	1.966078	40	1.863661
tert-Amyl alcohol	500	1.760631E-02	750	0.0168663	1000	1.687939E-02						
tert-Amyl ethyl ether	100	0.6498055	150	0.6312472	200	0.6001792						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1197002		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	7/15/11 7:34	7/15/11 16:30

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	10	9.088414E-02	20	7.269061E-02	100	7.880733E-02	200	8.100473E-02	300	8.455963E-02	400	8.486858E-02
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene	50	0.8009343	60	0.7899578	70	0.7752778	30	0.8624537	30	0.8687408	30	0.8650714
n-Butylbenzene												
2-Butanone	10	0.1365185	20	0.1143557	100	0.1243605	200	0.1285361	300	0.1303509	400	0.1326337
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
1,3-Dichloropropene (total)												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.3966124	20	0.334273	100	0.3812535	200	0.3835207	300	0.3783593	400	0.3833224
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.2816464	20	0.2285668	100	0.2511722	200	0.2600916	300	0.2589988	400	0.2546986

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether												
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethar												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane	50	0.3189521	60	0.3223027	70	0.3108503	30	0.3442915	30	0.3331981	30	0.3254405
1,2-Dichloroethane-d4	50	6.073933E-02	60	6.077932E-02	70	5.861705E-02	30	6.371946E-02	30	6.970459E-02	30	6.315942E-02
Toluene-d8	50	1.829422	60	1.818813	70	1.796923	30	1.994579	30	1.964788	30	1.958301
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.655942E-02	13.2323	3.85325	0.1167707			15	
Acrolein	2.963651E-02	11.7238	3.728125	0.1173739			15	
Acrylonitrile	5.716407E-02	12.46842	4.685889	0.1028931			15	
Benzene	0.9042844	10.86659	7.714111	3.903947E-02			15	
Bromobenzene	0.649784	10.95668	12.43222	2.696263E-02			15	
Bromochloromethane	0.135596	10.44311	6.815889	4.253216E-02			15	
Tert-Amyl Methyl Ether	0.7541735	11.14465	7.904444	3.665573E-02			15	
Bromodichloromethane	0.3693912	14.15853	8.690889	3.979992E-02			15	
Bromoform	0.4457817	28.31164	11.84144	3.385007E-02	0.9985108		SPCC (0.1)	
Bromomethane	0.1432738	19.03628	2.883333	9.237517E-02	0.9992172		0.995	
Bromofluorobenzene	0.8344153	4.78405	12.27122	0.0183763			15	
n-Butylbenzene	1.63338	12.01223	13.85744	1.941718E-02			15	
2-Butanone	0.130893	6.298468	6.285222	3.599668E-02			15	
sec-Butylbenzene	1.945018	11.67459	13.31833	2.734518E-02			15	
tert-Butylbenzene	1.637174	9.671586	13.08644	2.063187E-02			15	
Carbon disulfide	0.4975247	11.21421	4.85075	5.899555E-02			15	
Carbon tetrachloride	0.3996617	13.63673	7.682222	3.807143E-02			15	
Chlorobenzene	1.298758	10.56866	11.11933	2.750333E-02			SPCC (0.3)	
Chloroethane	0.1141797	12.78848	3.019778	9.739813E-02			15	
Chloroform	0.519736	8.855926	6.788444	4.081139E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1083555	11.96312	9.043111	3.203373E-02			15	
Chloromethane	0.2182924	11.80224	2.284667	0.1403289			SPCC (0.1)	
1-Chlorohexane	0.6794803	11.85012	11.08111	0.0269055			15	
2-Chlorotoluene	1.702465	10.44949	12.652	3.094626E-02			15	
4-Chlorotoluene	1.990602	10.16443	12.71433	2.515017E-02			15	
Cyclohexane	0.3354188	10.6483	7.613333	3.753559E-02			15	
Dibromochloromethane	0.5980214	22.0052	10.35244	0.0232385	0.9988737		0.995	
1,2-Dibromo-3-chloropropane	0.1228865	27.71059	14.46144	2.179369E-02	0.9982934		0.995	
1,2-Dibromoethane (EDB)	0.5085674	12.80272	10.568	3.108569E-02			15	
Dibromomethane	0.180141	10.04093	8.629445	2.759784E-02			15	
1,2-Dichlorobenzene	1.078607	11.0469	13.81811	2.053201E-02			15	
1,3-Dichlorobenzene	1.101378	11.19067	13.41011	2.742168E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.14648	10.66153	13.50089	2.725037E-02			15	
Dichlorodifluoromethane	0.3068391	11.89335	2.065889	0.1387903			15	
1,1-Dichloroethane	0.431906	11.23155	5.833444	0.0471214			SPCC (0.1)	
1,2-Dichloroethane	0.4264077	11.61214	7.543333	4.294553E-02			15	
1,1-Dichloroethene	0.1492329	11.21917	4.322667	8.271983E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2503875	11.01223	6.534556	4.363338E-02			15	
trans-1,2-Dichloroethene	0.2240218	9.35269	5.461556	5.384997E-02			15	
1,2-Dichloroethene (total)	0.2372046	9.860922	0	0			15	
1,2-Dichloropropane	0.216359	10.53841	8.516889	5.066151E-02			CCC (20)	
1,3-Dichloropropane	0.8502119	11.06785	10.09533	3.106928E-02			15	
2,2-Dichloropropane	0.4364498	10.84859	6.642	4.894581E-02			15	
1,1-Dichloropropene	0.3553169	11.26297	7.560778	6.238547E-02			15	
cis-1,3-Dichloropropene	0.411869	11.20199	9.259778	3.148283E-02			15	
trans-1,3-Dichloropropene	0.8172756	14.80375	9.731222	3.239758E-02			15	
1,3-Dichloropropene (total)	0.3922376	11.70867	9.731222	3.239758E-02			15	
Diisopropyl Ether	0.9178801	9.659161	6.206556	6.395643E-02			15	
Ethylbenzene	2.419758	10.8115	11.26367	3.431404E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.8010773	10.72234	6.665889	6.207404E-02			15	
Ethyl Methacrylate	0.6941842	11.20065	9.917111	4.077048E-02			15	
Hexachlorobutadiene	0.3828814	13.83125	15.81689	2.028343E-02			15	
2-Hexanone	0.3835157	5.323524	10.02989	2.946592E-02			15	
Iodomethane	0.2777187	27.16706	4.515222	7.732293E-02	0.999625		0.995	
Isopropylbenzene	1.787967	13.49076	12.15967	3.472745E-02			15	
p-Isopropyltoluene	1.658073	10.51189	13.45411	2.454023E-02			15	
Methylene chloride	0.1860977	9.825037	4.800889	6.587492E-02			15	
Methyl Acetate	0.1656656	12.32814	4.675875	9.930135E-02			15	
Methylcyclohexane	0.3034361	10.77778	8.841667	4.119604E-02			15	
Naphthalene	1.369554	11.88491	15.68889	2.136994E-02			15	
Methyl Methacrylate	0.2705031	9.821386	8.648222	0.0363309			15	
4-Methyl-2-pentanone	0.2576867	6.679622	9.186444	0.0477239			15	
Methyl t-Butyl Ether	0.750083	10.427	5.466889	5.562063E-02			15	
n-Propylbenzene	2.615418	10.12252	12.56689	2.562257E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1197002	Instrument:	MS-VOA6		
Matrix:	Water	Calibration Dates:	7/15/11 7:34	7/15/11 16:30	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.325255	10.28675	11.73644	3.516643E-02			15	
1,1,2,2-Tetrachloroethane	0.5949751	11.73427	12.08544	2.380664E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5474485	17.03642	11.16011	2.495695E-02	0.9992981		0.995	
tert-Butyl alcohol	1.902713E-02	14.65822	4.484556	6.204396E-02			15	
Tetrachloroethene	0.5708118	12.54352	10.46433	2.760307E-02			15	
Toluene	1.135262	10.27709	9.733444	3.446291E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.6340517	11.25616	15.97433	1.821162E-02			15	
1,2,4-Trichlorobenzene	0.6888209	12.96776	15.53778	2.430261E-02			15	
1,1,2-Trichloroethane	0.3952658	12.33881	9.884444	2.968968E-02			15	
1,1,1-Trichloroethane	0.4415644	11.38965	7.343333	3.710186E-02			15	
Tetrahydrofuran	7.316461E-02	13.5402	7.003	4.728995E-02			15	
Trichloroethene	0.2563099	11.25606	8.466555	4.040662E-02			15	
Trichlorofluoromethane	0.4264743	14.46216	3.528556	8.215843E-02			15	
1,2,3-Trichloropropane	0.1829839	14.88655	12.21111	2.947702E-02			15	
1,3,5-Trimethylbenzene	1.744294	11.94647	12.74511	2.406659E-02			15	
1,2,4-Trimethylbenzene	1.745256	11.25201	13.11689	2.947553E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1777876	12.92174	4.397222	9.416376E-02			15	
Vinyl chloride	0.1553111	12.01282	2.431444	0.1303675			CCC (20)	
m,p-Xylene	1.862007	10.65282	11.37533	3.372398E-02			15	
o-Xylene	1.985624	10.22317	11.76589	3.300866E-02			15	
Vinyl acetate	0.6431498	9.766546	5.91	4.919518E-02			15	
Xylenes (total)	1.903213	10.42545	0	0			15	
Dibromofluoromethane	0.3254106	3.086435	6.958	3.533272E-02			15	
1,2-Dichloroethane-d4	6.267093E-02	5.203576	7.452556	5.140755E-02			15	
Toluene-d8	1.912359	4.419035	9.656778	3.619712E-02			15	
tert-Amyl alcohol	1.623335E-02	7.743819	7.1655	6.159254E-02			15	
tert-Amyl ethyl ether	0.6159713	9.391465	8.779556	3.457181E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV2	Injection Time:	12:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	100.0	101.7	0.9042844	0.9200314		1.7	20
Bromobenzene	A	100.0	105.7	0.649784	0.6869916		5.7	20
Bromochloromethane	A	100.0	103.7	0.135596	0.1405509		3.7	20
Bromodichloromethane	A	100.0	111.2	0.3693912	0.4109406		11.2	20
Bromoform	L	100.0	94.72	0.4457817	0.5601173	0.1	-5.3	20
Bromomethane	L	100.0	98.22	0.1432738	0.1708864		-1.8	20
n-Butylbenzene	A	100.0	108.1	1.63338	1.764917		8.1	20
sec-Butylbenzene	A	100.0	108.4	1.945018	2.107875		8.4	20
tert-Butylbenzene	A	100.0	105.7	1.637174	1.730076		5.7	20
Carbon disulfide	A	100.0	110.1	0.4975247	0.5480012		10.1	20
Carbon tetrachloride	A	100.0	108.2	0.3996617	0.4325231		8.2	20
Chlorobenzene	A	100.0	106.7	1.298758	1.385604	0.3	6.7	20
Chloroethane	A	100.0	107.0	0.1141797	0.1221963		7.0	20
Chloroform	A	100.0	100.2	0.519736	0.5209313		0.2	20
Chloromethane	A	100.0	95.69	0.2182924	0.2088829	0.1	-4.3	20
2-Chlorotoluene	A	100.0	107.0	1.702465	1.821056		7.0	20
4-Chlorotoluene	A	100.0	107.2	1.990602	2.13381		7.2	20
Dibromochloromethane	L	100.0	95.86	0.5980214	0.7134088		-4.1	20
1,2-Dibromo-3-chloropropane	L	100.0	93.99	0.1228865	0.1508638		-6.0	20
1,2-Dibromoethane (EDB)	A	100.0	110.2	0.5085674	0.5606116		10.2	20
Dibromomethane	A	100.0	104.5	0.180141	0.1882927		4.5	20
1,2-Dichlorobenzene	A	100.0	105.7	1.078607	1.139931		5.7	20
1,3-Dichlorobenzene	A	100.0	107.9	1.101378	1.187846		7.9	20
1,4-Dichlorobenzene	A	100.0	105.7	1.14648	1.211705		5.7	20
Dichlorodifluoromethane	A	100.0	105.3	0.3068391	0.3232371		5.3	20
1,1-Dichloroethane	A	100.0	104.3	0.431906	0.4504416	0.1	4.3	20
1,2-Dichloroethane	A	100.0	104.3	0.4264077	0.4447132		4.3	20
1,1-Dichloroethene	A	100.0	105.7	0.1492329	0.157756		5.7	20
cis-1,2-Dichloroethene	A	100.0	102.2	0.2503875	0.2559942		2.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV2	Injection Time:	12:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
trans-1,2-Dichloroethene	A	100.0	98.42	0.2240218	0.2204815		-1.6	20
1,2-Dichloropropane	A	100.0	103.9	0.216359	0.2248706		3.9	20
1,3-Dichloropropane	A	100.0	108.7	0.8502119	0.9243262		8.7	20
2,2-Dichloropropane	A	100.0	98.79	0.4364498	0.4311686		-1.2	20
1,1-Dichloropropene	A	100.0	102.6	0.3553169	0.3643881		2.6	20
cis-1,3-Dichloropropene	A	100.0	107.1	0.411869	0.4410133		7.1	20
trans-1,3-Dichloropropene	A	100.0	111.9	0.8172756	0.9146172		11.9	20
Ethylbenzene	A	100.0	107.4	2.419758	2.599898		7.4	20
Hexachlorobutadiene	A	100.0	110.3	0.3828814	0.4223726		10.3	20
Isopropylbenzene	A	100.0	109.0	1.787967	1.948852		9.0	20
p-Isopropyltoluene	A	100.0	106.8	1.658073	1.770082		6.8	20
Methylene chloride	A	100.0	103.1	0.1860977	0.1918073		3.1	20
Naphthalene	A	100.0	113.3	1.369554	1.552153		13.3	20
Methyl t-Butyl Ether	A	100.0	103.7	0.750083	0.7778079		3.7	20
n-Propylbenzene	A	100.0	107.4	2.615418	2.809331		7.4	20
Styrene	A	100.0	108.2	1.325255	1.433605		8.2	20
1,1,2,2-Tetrachloroethane	A	100.0	108.7	0.5949751	0.6468653	0.3	8.7	20
1,1,1,2-Tetrachloroethane	L	100.0	98.57	0.5474485	0.6248012		-1.4	20
Tetrachloroethene	A	100.0	106.3	0.5708118	0.6069258		6.3	20
Toluene	A	100.0	103.3	1.135262	1.172271		3.3	20
1,2,3-Trichlorobenzene	A	100.0	111.8	0.6340517	0.7087267		11.8	20
1,2,4-Trichlorobenzene	A	100.0	111.4	0.6888209	0.7671985		11.4	20
1,1,2-Trichloroethane	A	100.0	108.1	0.3952658	0.4272343		8.1	20
1,1,1-Trichloroethane	A	100.0	105.8	0.4415644	0.4671973		5.8	20
Trichloroethene	A	100.0	103.3	0.2563099	0.2647816		3.3	20
Trichlorofluoromethane	A	100.0	108.3	0.4264743	0.4620172		8.3	20
1,2,3-Trichloropropane	A	100.0	109.1	0.1829839	0.1996483		9.1	20
1,3,5-Trimethylbenzene	A	100.0	109.3	1.744294	1.905883		9.3	20
1,2,4-Trimethylbenzene	A	100.0	108.8	1.745256	1.8989		8.8	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV2	Injection Time:	12:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	A	100.0	106.5	0.1553111	0.1653436		6.5	20
m,p-Xylene	A	200.0	212.0	1.862007	1.973776		6.0	20
o-Xylene	A	100.0	107.8	1.985624	2.140637		7.8	20
Bromofluorobenzene	A	30.00	34.25	0.8344153	0.9525504		14.2	20
Dibromofluoromethane	A	30.00	30.70	0.3254106	0.3329621		2.3	20
1,2-Dichloroethane-d4	A	30.00	29.22	6.267093E-02	6.104631E-02		-2.6	20
Toluene-d8	A	30.00	33.98	1.912359	2.166365		13.3	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV3.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV3	Injection Time:	16:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	97.68	8.655942E-02	8.455462E-02		-2.3	20
2-Butanone	A	100.0	98.59	0.130893	0.1290504		-1.4	20
2-Hexanone	A	100.0	99.43	0.3835157	0.3813258		-0.6	20
4-Methyl-2-pentanone	A	100.0	99.61	0.2576867	0.2566723		-0.4	20
Bromofluorobenzene	A	30.00	31.52	0.8344153	0.8768167		5.1	20
Dibromofluoromethane	A	30.00	31.08	0.3254106	0.3371173		3.6	20
1,2-Dichloroethane-d4	A	30.00	30.35	6.267093E-02	6.340863E-02		1.2	20
Toluene-d8	A	30.00	31.38	1.912359	2.000274		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

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0804CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21704	Injection Date:	08/04/11
Lab Sample ID:	1H21704-CCV1	Injection Time:	19:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	202.4	8.655942E-02	8.759069E-02		1.2	20
Benzene	A	100.0	108.8	0.9042844	0.9840442		8.8	20
Bromobenzene	A	100.0	107.8	0.649784	0.7007064		7.8	20
Bromochloromethane	A	100.0	106.6	0.135596	0.1445341		6.6	20
Bromodichloromethane	A	100.0	107.8	0.3693912	0.3984231		7.9	20
Bromoform	L	100.0	92.28	0.4457817	0.5452548	0.1	-7.7	20
Bromomethane	L	100.0	68.21	0.1432738	0.1176286		-31.8	20 *
n-Butylbenzene	A	100.0	110.1	1.63338	1.799165		10.1	20
2-Butanone	A	200.0	231.4	0.130893	0.1514743		15.7	20
sec-Butylbenzene	A	100.0	112.7	1.945018	2.192546		12.7	20
tert-Butylbenzene	A	100.0	109.9	1.637174	1.80004		9.9	20
Carbon disulfide	A	100.0	116.6	0.4975247	0.5799083		16.6	20
Carbon tetrachloride	A	100.0	101.3	0.3996617	0.4048777		1.3	20
Chlorobenzene	A	100.0	110.5	1.298758	1.435648	0.3	10.5	20
Chloroethane	A	100.0	117.5	0.1141797	0.1341498		17.5	20
Chloroform	A	100.0	98.97	0.519736	0.5143935		-1.0	20
Chloromethane	A	100.0	94.57	0.2182924	0.2064424	0.1	-5.4	20
2-Chlorotoluene	A	100.0	111.4	1.702465	1.896363		11.4	20
4-Chlorotoluene	A	100.0	111.4	1.990602	2.216696		11.4	20
Dibromochloromethane	L	100.0	98.50	0.5980214	0.7334626		-1.5	20
1,2-Dibromo-3-chloropropane	L	100.0	97.20	0.1228865	0.1561773		-2.8	20
1,2-Dibromoethane (EDB)	A	100.0	117.0	0.5085674	0.5948091		17.0	20
Dibromomethane	A	100.0	103.6	0.180141	0.1866217		3.6	20
1,2-Dichlorobenzene	A	100.0	105.7	1.078607	1.139957		5.7	20
1,3-Dichlorobenzene	A	100.0	107.7	1.101378	1.186035		7.7	20
1,4-Dichlorobenzene	A	100.0	105.8	1.14648	1.213001		5.8	20
Dichlorodifluoromethane	A	100.0	91.10	0.3068391	0.2795238		-8.9	20
1,1-Dichloroethane	A	100.0	111.2	0.431906	0.4803918	0.1	11.2	20
1,2-Dichloroethane	A	100.0	101.4	0.4264077	0.4323744		1.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0804CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21704	Injection Date:	08/04/11
Lab Sample ID:	1H21704-CCV1	Injection Time:	19:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	113.0	0.1492329	0.1685693		13.0	20
cis-1,2-Dichloroethene	A	100.0	109.4	0.2503875	0.273827		9.4	20
trans-1,2-Dichloroethene	A	100.0	107.0	0.2240218	0.2396166		7.0	20
1,2-Dichloropropane	A	100.0	112.3	0.216359	0.2429504		12.3	20
1,3-Dichloropropane	A	100.0	120.7	0.8502119	1.026247		20.7	20 *
2,2-Dichloropropane	A	100.0	84.15	0.4364498	0.3672681		-15.9	20
1,1-Dichloropropene	A	100.0	104.5	0.3553169	0.3711697		4.5	20
cis-1,3-Dichloropropene	A	100.0	108.4	0.411869	0.4467104		8.5	20
trans-1,3-Dichloropropene	A	100.0	114.3	0.8172756	0.9344		14.3	20
Ethylbenzene	A	100.0	110.2	2.419758	2.666249		10.2	20
Hexachlorobutadiene	A	100.0	99.20	0.3828814	0.3798216		-0.8	20
2-Hexanone	A	200.0	259.2	0.3835157	0.4971359		29.6	20 *
Isopropylbenzene	A	100.0	109.8	1.787967	1.962334		9.8	20
p-Isopropyltoluene	A	100.0	109.0	1.658073	1.807368		9.0	20
Methylene chloride	A	100.0	105.1	0.1860977	0.1955296		5.1	20
Naphthalene	A	100.0	104.7	1.369554	1.433738		4.7	20
4-Methyl-2-pentanone	A	200.0	224.1	0.2576867	0.2887811		12.1	20
Methyl t-Butyl Ether	A	100.0	107.8	0.750083	0.8084392		7.8	20
n-Propylbenzene	A	100.0	111.9	2.615418	2.926312		11.9	20
Styrene	A	100.0	109.4	1.325255	1.449823		9.4	20
1,1,2,2-Tetrachloroethane	A	100.0	120.2	0.5949751	0.715102	0.3	20.2	20 *
1,1,1,2-Tetrachloroethane	L	100.0	99.17	0.5474485	0.6286612		-0.8	20
Tetrachloroethene	A	100.0	105.6	0.5708118	0.6026817		5.6	20
Toluene	A	100.0	110.0	1.135262	1.248918		10.0	20
1,2,3-Trichlorobenzene	A	100.0	103.3	0.6340517	0.6547652		3.3	20
1,2,4-Trichlorobenzene	A	100.0	106.2	0.6888209	0.7317427		6.2	20
1,1,2-Trichloroethane	A	100.0	116.4	0.3952658	0.4599679		16.4	20
1,1,1-Trichloroethane	A	100.0	98.60	0.4415644	0.4353783		-1.4	20
Trichloroethene	A	100.0	100.4	0.2563099	0.2572281		0.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0804CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21704	Injection Date:	08/04/11
Lab Sample ID:	1H21704-CCV1	Injection Time:	19:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.7	0.4264743	0.4378846		2.7	20
1,2,3-Trichloropropane	A	100.0	111.5	0.1829839	0.2039568		11.5	20
1,3,5-Trimethylbenzene	A	100.0	111.0	1.744294	1.935576		11.0	20
1,2,4-Trimethylbenzene	A	100.0	110.2	1.745256	1.924141		10.2	20
Vinyl chloride	A	100.0	98.86	0.1553111	0.1535394		-1.1	20
m,p-Xylene	A	200.0	207.4	1.862007	1.931328		3.7	20
o-Xylene	A	100.0	106.4	1.985624	2.113027		6.4	20
Bromofluorobenzene	A	30.00	34.02	0.8344153	0.9462797		13.4	20
Dibromofluoromethane	A	30.00	30.58	0.3254106	0.3316979		1.9	20
1,2-Dichloroethane-d4	A	30.00	30.85	6.267093E-02	6.443902E-02		2.8	20
Toluene-d8	A	30.00	34.53	1.912359	2.20143		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

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0806CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21902	Injection Date:	08/06/11
Lab Sample ID:	1H21902-CCV1	Injection Time:	07:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	211.7	8.655942E-02	9.161119E-02		5.8	20	
Benzene	A	100.0	107.3	0.9042844	0.9706833		7.3	20	
Bromobenzene	A	100.0	106.6	0.649784	0.6924155		6.6	20	
Bromochloromethane	A	100.0	107.6	0.135596	0.1458785		7.6	20	
Bromodichloromethane	A	100.0	108.8	0.3693912	0.4019897		8.8	20	
Bromoform	L	100.0	92.71	0.4457817	0.5478711	0.1	-7.3	20	
Bromomethane	L	100.0	92.92	0.1432738	0.1614676		-7.1	20	
n-Butylbenzene	A	100.0	113.8	1.63338	1.858029		13.8	20	
2-Butanone	A	200.0	227.9	0.130893	0.1491701		14.0	20	
sec-Butylbenzene	A	100.0	109.9	1.945018	2.136807		9.9	20	
tert-Butylbenzene	A	100.0	107.5	1.637174	1.760591		7.5	20	
Carbon disulfide	A	100.0	127.3	0.4975247	0.6332377		27.3	20	*
Carbon tetrachloride	A	100.0	99.44	0.3996617	0.397423		-0.6	20	
Chlorobenzene	A	100.0	108.3	1.298758	1.406571	0.3	8.3	20	
Chloroethane	A	100.0	117.9	0.1141797	0.1346518		17.9	20	
Chloroform	A	100.0	99.58	0.519736	0.51757		-0.4	20	
Chloromethane	A	100.0	102.9	0.2182924	0.2246181	0.1	2.9	20	
2-Chlorotoluene	A	100.0	109.9	1.702465	1.871708		9.9	20	
4-Chlorotoluene	A	100.0	109.3	1.990602	2.176444		9.3	20	
Dibromochloromethane	L	100.0	96.78	0.5980214	0.7204295		-3.2	20	
1,2-Dibromo-3-chloropropane	L	100.0	92.83	0.1228865	0.1489509		-7.2	20	
1,2-Dibromoethane (EDB)	A	100.0	109.2	0.5085674	0.5555706		9.2	20	
Dibromomethane	A	100.0	103.1	0.180141	0.1857472		3.1	20	
1,2-Dichlorobenzene	A	100.0	105.8	1.078607	1.141138		5.8	20	
1,3-Dichlorobenzene	A	100.0	108.7	1.101378	1.196817		8.7	20	
1,4-Dichlorobenzene	A	100.0	105.8	1.14648	1.213405		5.8	20	
Dichlorodifluoromethane	A	100.0	90.10	0.3068391	0.2764696		-9.9	20	
1,1-Dichloroethane	A	100.0	109.7	0.431906	0.4739342	0.1	9.7	20	
1,2-Dichloroethane	A	100.0	101.6	0.4264077	0.4332193		1.6	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0806CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21902	Injection Date:	08/06/11
Lab Sample ID:	1H21902-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	109.8	0.1492329	0.1638127		9.8	20
cis-1,2-Dichloroethene	A	100.0	107.4	0.2503875	0.2690286		7.4	20
trans-1,2-Dichloroethene	A	100.0	103.2	0.2240218	0.2313196		3.3	20
1,2-Dichloropropane	A	100.0	106.8	0.216359	0.2311917		6.9	20
1,3-Dichloropropane	A	100.0	113.4	0.8502119	0.9639941		13.4	20
2,2-Dichloropropane	A	100.0	103.4	0.4364498	0.4514366		3.4	20
1,1-Dichloropropene	A	100.0	99.52	0.3553169	0.3536198		-0.5	20
cis-1,3-Dichloropropene	A	100.0	108.4	0.411869	0.4465485		8.4	20
trans-1,3-Dichloropropene	A	100.0	114.7	0.8172756	0.9372344		14.7	20
Ethylbenzene	A	100.0	106.3	2.419758	2.572782		6.3	20
Hexachlorobutadiene	A	100.0	107.3	0.3828814	0.4108798		7.3	20
2-Hexanone	A	200.0	241.3	0.3835157	0.462754		20.7	20 *
Isopropylbenzene	A	100.0	107.4	1.787967	1.920177		7.4	20
p-Isopropyltoluene	A	100.0	110.5	1.658073	1.831635		10.5	20
Methylene chloride	A	100.0	114.3	0.1860977	0.2126989		14.3	20
Naphthalene	A	100.0	112.1	1.369554	1.534865		12.1	20
4-Methyl-2-pentanone	A	200.0	212.2	0.2576867	0.2734284		6.1	20
Methyl t-Butyl Ether	A	100.0	105.8	0.750083	0.7936861		5.8	20
n-Propylbenzene	A	100.0	110.2	2.615418	2.881838		10.2	20
Styrene	A	100.0	108.1	1.325255	1.432845		8.1	20
1,1,2,2-Tetrachloroethane	A	100.0	111.7	0.5949751	0.6647395	0.3	11.7	20
1,1,1,2-Tetrachloroethane	L	100.0	97.55	0.5474485	0.6182456		-2.4	20
Tetrachloroethene	A	100.0	105.8	0.5708118	0.604149		5.8	20
Toluene	A	100.0	106.2	1.135262	1.206246		6.3	20
1,2,3-Trichlorobenzene	A	100.0	109.8	0.6340517	0.6961974		9.8	20
1,2,4-Trichlorobenzene	A	100.0	111.1	0.6888209	0.7651453		11.1	20
1,1,2-Trichloroethane	A	100.0	108.1	0.3952658	0.4271844		8.1	20
1,1,1-Trichloroethane	A	100.0	98.65	0.4415644	0.4356126		-1.3	20
Trichloroethene	A	100.0	98.29	0.2563099	0.2519366		-1.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0806CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21902	Injection Date:	08/06/11
Lab Sample ID:	1H21902-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	100.6	0.4264743	0.4290122		0.6	20
1,2,3-Trichloropropane	A	100.0	107.5	0.1829839	0.1966906		7.5	20
1,3,5-Trimethylbenzene	A	100.0	109.8	1.744294	1.915789		9.8	20
1,2,4-Trimethylbenzene	A	100.0	111.3	1.745256	1.9419		11.3	20
Vinyl chloride	A	100.0	98.97	0.1553111	0.1537189		-1.0	20
m,p-Xylene	A	200.0	207.3	1.862007	1.930416		3.7	20
o-Xylene	A	100.0	108.5	1.985624	2.1541		8.5	20
Bromofluorobenzene	A	30.00	34.13	0.8344153	0.9492401		13.8	20
Dibromofluoromethane	A	30.00	30.12	0.3254106	0.3267489		0.4	20
1,2-Dichloroethane-d4	A	30.00	30.07	6.267093E-02	6.282358E-02		0.2	20
Toluene-d8	A	30.00	33.60	1.912359	2.141804		12.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0807CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22105	Injection Date:	08/07/11
Lab Sample ID:	1H22105-CCV1	Injection Time:	08:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	205.6	8.655942E-02	8.897293E-02		2.8	20
Benzene	A	100.0	111.8	0.9042844	1.011135		11.8	20
Bromobenzene	A	100.0	109.7	0.649784	0.7127714		9.7	20
Bromochloromethane	A	100.0	109.6	0.135596	0.1486034		9.6	20
Bromodichloromethane	A	100.0	108.5	0.3693912	0.4008457		8.5	20
Bromoform	L	100.0	92.69	0.4457817	0.5477645	0.1	-7.3	20
Bromomethane	L	100.0	81.49	0.1432738	0.1411955		-18.5	20
n-Butylbenzene	A	100.0	120.2	1.63338	1.96324		20.2	20 *
2-Butanone	A	200.0	227.5	0.130893	0.1488825		13.7	20
sec-Butylbenzene	A	100.0	116.3	1.945018	2.261705		16.3	20
tert-Butylbenzene	A	100.0	112.4	1.637174	1.840089		12.4	20
Carbon disulfide	A	100.0	136.5	0.4975247	0.6791182		36.5	20 *
Carbon tetrachloride	A	100.0	103.2	0.3996617	0.4126511		3.3	20
Chlorobenzene	A	100.0	115.6	1.298758	1.502143	0.3	15.7	20
Chloroethane	A	100.0	120.7	0.1141797	0.1377918		20.7	20 *
Chloroform	A	100.0	97.76	0.519736	0.5080762		-2.2	20
Chloromethane	A	100.0	103.2	0.2182924	0.2251833	0.1	3.2	20
2-Chlorotoluene	A	100.0	114.4	1.702465	1.94733		14.4	20
4-Chlorotoluene	A	100.0	113.0	1.990602	2.248428		13.0	20
Dibromochloromethane	L	100.0	98.97	0.5980214	0.737059		-1.0	20
1,2-Dibromo-3-chloropropane	L	100.0	90.93	0.1228865	0.1458066		-9.1	20
1,2-Dibromoethane (EDB)	A	100.0	114.8	0.5085674	0.5838078		14.8	20
Dibromomethane	A	100.0	104.9	0.180141	0.1889114		4.9	20
1,2-Dichlorobenzene	A	100.0	110.4	1.078607	1.190525		10.4	20
1,3-Dichlorobenzene	A	100.0	111.9	1.101378	1.232017		11.9	20
1,4-Dichlorobenzene	A	100.0	112.2	1.14648	1.286477		12.2	20
Dichlorodifluoromethane	A	100.0	89.28	0.3068391	0.273954		-10.7	20
1,1-Dichloroethane	A	100.0	110.7	0.431906	0.4781514	0.1	10.7	20
1,2-Dichloroethane	A	100.0	100.7	0.4264077	0.4292704		0.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0807CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22105	Injection Date:	08/07/11
Lab Sample ID:	1H22105-CCV1	Injection Time:	08:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	112.6	0.1492329	0.168052		12.6	20
cis-1,2-Dichloroethene	A	100.0	110.6	0.2503875	0.2768759		10.6	20
trans-1,2-Dichloroethene	A	100.0	107.9	0.2240218	0.2417183		7.9	20
1,2-Dichloropropane	A	100.0	112.2	0.216359	0.2427923		12.2	20
1,3-Dichloropropane	A	100.0	120.8	0.8502119	1.026856		20.8	20 *
2,2-Dichloropropane	A	100.0	107.1	0.4364498	0.4674173		7.1	20
1,1-Dichloropropene	A	100.0	106.9	0.3553169	0.3799859		6.9	20
cis-1,3-Dichloropropene	A	100.0	112.3	0.411869	0.4625948		12.3	20
trans-1,3-Dichloropropene	A	100.0	120.1	0.8172756	0.9817774		20.1	20 *
Ethylbenzene	A	100.0	114.9	2.419758	2.781422		14.9	20
Hexachlorobutadiene	A	100.0	107.5	0.3828814	0.4115322		7.5	20
2-Hexanone	A	200.0	251.9	0.3835157	0.4831018		26.0	20 *
Isopropylbenzene	A	100.0	114.2	1.787967	2.042641		14.2	20
p-Isopropyltoluene	A	100.0	115.1	1.658073	1.908857		15.1	20
Methylene chloride	A	100.0	111.8	0.1860977	0.2081613		11.9	20
Naphthalene	A	100.0	120.3	1.369554	1.647196		20.3	20 *
4-Methyl-2-pentanone	A	200.0	214.1	0.2576867	0.2758302		7.0	20
Methyl t-Butyl Ether	A	100.0	106.8	0.750083	0.8012732		6.8	20
n-Propylbenzene	A	100.0	114.4	2.615418	2.99315		14.4	20
Styrene	A	100.0	115.3	1.325255	1.527542		15.3	20
1,1,2,2-Tetrachloroethane	A	100.0	115.7	0.5949751	0.6883226	0.3	15.7	20
1,1,1,2-Tetrachloroethane	L	100.0	99.76	0.5474485	0.6324457		-0.2	20
Tetrachloroethene	A	100.0	111.1	0.5708118	0.6340003		11.1	20
Toluene	A	100.0	116.0	1.135262	1.317448		16.0	20
1,2,3-Trichlorobenzene	A	100.0	111.9	0.6340517	0.7094374		11.9	20
1,2,4-Trichlorobenzene	A	100.0	114.2	0.6888209	0.7863202		14.2	20
1,1,2-Trichloroethane	A	100.0	117.9	0.3952658	0.4658721		17.9	20
1,1,1-Trichloroethane	A	100.0	100.1	0.4415644	0.4420203		0.1	20
Trichloroethene	A	100.0	102.2	0.2563099	0.2620835		2.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0807CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22105	Injection Date:	08/07/11
Lab Sample ID:	1H22105-CCV1	Injection Time:	08:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.1	0.4264743	0.4356073		2.1	20
1,2,3-Trichloropropane	A	100.0	110.2	0.1829839	0.2016514		10.2	20
1,3,5-Trimethylbenzene	A	100.0	113.4	1.744294	1.977857		13.4	20
1,2,4-Trimethylbenzene	A	100.0	115.4	1.745256	2.014648		15.4	20
Vinyl chloride	A	100.0	100.1	0.1553111	0.1554101		0.06	20
m,p-Xylene	A	200.0	218.8	1.862007	2.037568		9.4	20
o-Xylene	A	100.0	112.5	1.985624	2.23338		12.5	20
Bromofluorobenzene	A	30.00	34.16	0.8344153	0.9502654		13.9	20
Dibromofluoromethane	A	30.00	30.03	0.3254106	0.3257816		0.1	20
1,2-Dichloroethane-d4	A	30.00	29.73	6.267093E-02	6.210694E-02		-0.9	20
Toluene-d8	A	30.00	35.02	1.912359	2.232404		16.7	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0807CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22109	Injection Date:	08/07/11
Lab Sample ID:	1H22109-CCV1	Injection Time:	19:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	189.1	8.655942E-02	0.0818562		-5.4	20
Benzene	A	100.0	111.2	0.9042844	1.005854		11.2	20
Bromobenzene	A	100.0	110.6	0.649784	0.7183842		10.6	20
Bromochloromethane	A	100.0	107.0	0.135596	0.1451396		7.0	20
Bromodichloromethane	A	100.0	106.6	0.3693912	0.3936282		6.6	20
Bromoform	L	100.0	91.18	0.4457817	0.5385946	0.1	-8.8	20
Bromomethane	L	100.0	69.00	0.1432738	0.1190292		-31.0	20 *
n-Butylbenzene	A	100.0	117.3	1.63338	1.916662		17.3	20
2-Butanone	A	200.0	225.3	0.130893	0.1474513		12.7	20
sec-Butylbenzene	A	100.0	116.0	1.945018	2.255996		16.0	20
tert-Butylbenzene	A	100.0	113.9	1.637174	1.865163		13.9	20
Carbon disulfide	A	100.0	135.2	0.4975247	0.6726453		35.2	20 *
Carbon tetrachloride	A	100.0	100.0	0.3996617	0.3996849		0.006	20
Chlorobenzene	A	100.0	114.0	1.298758	1.481005	0.3	14.0	20
Chloroethane	A	100.0	117.6	0.1141797	0.1342835		17.6	20
Chloroform	A	100.0	96.52	0.519736	0.5016633		-3.5	20
Chloromethane	A	100.0	96.58	0.2182924	0.2108252	0.1	-3.4	20
2-Chlorotoluene	A	100.0	115.1	1.702465	1.959877		15.1	20
4-Chlorotoluene	A	100.0	113.4	1.990602	2.257784		13.4	20
Dibromochloromethane	L	100.0	96.14	0.5980214	0.7155098		-3.9	20
1,2-Dibromo-3-chloropropane	L	100.0	92.77	0.1228865	0.1488545		-7.2	20
1,2-Dibromoethane (EDB)	A	100.0	114.8	0.5085674	0.5837283		14.8	20
Dibromomethane	A	100.0	102.4	0.180141	0.1845444		2.4	20
1,2-Dichlorobenzene	A	100.0	110.5	1.078607	1.192082		10.5	20
1,3-Dichlorobenzene	A	100.0	111.1	1.101378	1.223808		11.1	20
1,4-Dichlorobenzene	A	100.0	110.6	1.14648	1.268241		10.6	20
Dichlorodifluoromethane	A	100.0	84.45	0.3068391	0.2591322		-15.5	20
1,1-Dichloroethane	A	100.0	108.4	0.431906	0.4682951	0.1	8.4	20
1,2-Dichloroethane	A	100.0	99.25	0.4264077	0.4231936		-0.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0807CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22109	Injection Date:	08/07/11
Lab Sample ID:	1H22109-CCV1	Injection Time:	19:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	109.4	0.1492329	0.1632071		9.4	20
cis-1,2-Dichloroethene	A	100.0	107.7	0.2503875	0.2696141		7.7	20
trans-1,2-Dichloroethene	A	100.0	106.6	0.2240218	0.238875		6.6	20
1,2-Dichloropropane	A	100.0	110.4	0.216359	0.2388595		10.4	20
1,3-Dichloropropane	A	100.0	121.4	0.8502119	1.032333		21.4	20 *
2,2-Dichloropropane	A	100.0	89.40	0.4364498	0.3901698		-10.6	20
1,1-Dichloropropene	A	100.0	102.5	0.3553169	0.3641628		2.5	20
cis-1,3-Dichloropropene	A	100.0	109.1	0.411869	0.4493603		9.1	20
trans-1,3-Dichloropropene	A	100.0	117.0	0.8172756	0.9563881		17.0	20
Ethylbenzene	A	100.0	113.0	2.419758	2.734777		13.0	20
Hexachlorobutadiene	A	100.0	103.2	0.3828814	0.3952143		3.2	20
2-Hexanone	A	200.0	250.4	0.3835157	0.4801577		25.2	20 *
Isopropylbenzene	A	100.0	113.3	1.787967	2.026586		13.3	20
p-Isopropyltoluene	A	100.0	113.6	1.658073	1.884193		13.6	20
Methylene chloride	A	100.0	112.3	0.1860977	0.2090663		12.3	20
Naphthalene	A	100.0	118.1	1.369554	1.617597		18.1	20
4-Methyl-2-pentanone	A	200.0	213.6	0.2576867	0.275242		6.8	20
Methyl t-Butyl Ether	A	100.0	106.2	0.750083	0.7968704		6.2	20
n-Propylbenzene	A	100.0	116.3	2.615418	3.040829		16.3	20
Styrene	A	100.0	113.3	1.325255	1.501849		13.3	20
1,1,2,2-Tetrachloroethane	A	100.0	118.2	0.5949751	0.7034601	0.3	18.2	20
1,1,1,2-Tetrachloroethane	L	100.0	100.5	0.5474485	0.6371224		0.5	20
Tetrachloroethene	A	100.0	105.9	0.5708118	0.6042878		5.9	20
Toluene	A	100.0	114.6	1.135262	1.301515		14.6	20
1,2,3-Trichlorobenzene	A	100.0	110.7	0.6340517	0.7019137		10.7	20
1,2,4-Trichlorobenzene	A	100.0	112.5	0.6888209	0.774771		12.5	20
1,1,2-Trichloroethane	A	100.0	119.3	0.3952658	0.4715663		19.3	20
1,1,1-Trichloroethane	A	100.0	96.80	0.4415644	0.4274211		-3.2	20
Trichloroethene	A	100.0	100.1	0.2563099	0.2565239		0.08	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0807CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22109	Injection Date:	08/07/11
Lab Sample ID:	1H22109-CCV1	Injection Time:	19:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	99.68	0.4264743	0.4251182		-0.3	20
1,2,3-Trichloropropane	A	100.0	110.0	0.1829839	0.2012136		10.0	20
1,3,5-Trimethylbenzene	A	100.0	116.2	1.744294	2.026048		16.2	20
1,2,4-Trimethylbenzene	A	100.0	118.1	1.745256	2.061811		18.1	20
Vinyl chloride	A	100.0	96.93	0.1553111	0.1505454		-3.1	20
m,p-Xylene	A	200.0	215.8	1.862007	2.009224		7.9	20
o-Xylene	A	100.0	112.5	1.985624	2.233555		12.5	20
Bromofluorobenzene	A	30.00	33.88	0.8344153	0.9424386		12.9	20
Dibromofluoromethane	A	30.00	29.23	0.3254106	0.3170963		-2.6	20
1,2-Dichloroethane-d4	A	30.00	29.14	6.267093E-02	6.086502E-02		-2.9	20
Toluene-d8	A	30.00	34.67	1.912359	2.210362		15.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0811CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22403	Injection Date:	08/11/11
Lab Sample ID:	1H22403-CCV1	Injection Time:	07:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	192.4	8.655942E-02	8.329371E-02		-3.8	20
Benzene	A	100.0	102.3	0.9042844	0.9247568		2.3	20
Bromobenzene	A	100.0	104.9	0.649784	0.6813973		4.9	20
Bromochloromethane	A	100.0	102.5	0.135596	0.1390288		2.5	20
Bromodichloromethane	A	100.0	104.9	0.3693912	0.3873939		4.9	20
Bromoform	L	100.0	95.20	0.4457817	0.563071	0.1	-4.8	20
Bromomethane	L	100.0	70.15	0.1432738	0.1210799		-29.8	20 *
n-Butylbenzene	A	100.0	113.4	1.63338	1.852711		13.4	20
2-Butanone	A	200.0	217.6	0.130893	0.1424148		8.8	20
sec-Butylbenzene	A	100.0	110.8	1.945018	2.155747		10.8	20
tert-Butylbenzene	A	100.0	106.6	1.637174	1.744982		6.6	20
Carbon disulfide	A	100.0	133.2	0.4975247	0.6629278		33.2	20 *
Carbon tetrachloride	A	100.0	102.6	0.3996617	0.4099148		2.6	20
Chlorobenzene	A	100.0	110.2	1.298758	1.431863	0.3	10.2	20
Chloroethane	A	100.0	115.6	0.1141797	0.1320135		15.6	20
Chloroform	A	100.0	95.80	0.519736	0.4979141		-4.2	20
Chloromethane	A	100.0	88.11	0.2182924	0.192333	0.1	-11.9	20
2-Chlorotoluene	A	100.0	110.5	1.702465	1.881257		10.5	20
4-Chlorotoluene	A	100.0	110.6	1.990602	2.20185		10.6	20
Dibromochloromethane	L	100.0	100.6	0.5980214	0.7495092		0.6	20
1,2-Dibromo-3-chloropropane	L	100.0	90.76	0.1228865	0.1455302		-9.2	20
1,2-Dibromoethane (EDB)	A	100.0	111.0	0.5085674	0.5645243		11.0	20
Dibromomethane	A	100.0	99.93	0.180141	0.1800101		-0.07	20
1,2-Dichlorobenzene	A	100.0	106.4	1.078607	1.148165		6.4	20
1,3-Dichlorobenzene	A	100.0	110.1	1.101378	1.212488		10.1	20
1,4-Dichlorobenzene	A	100.0	108.1	1.14648	1.239042		8.1	20
Dichlorodifluoromethane	A	100.0	87.25	0.3068391	0.2677221		-12.7	20
1,1-Dichloroethane	A	100.0	103.9	0.431906	0.4486463	0.1	3.9	20
1,2-Dichloroethane	A	100.0	100.2	0.4264077	0.4272317		0.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0811CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22403	Injection Date:	08/11/11
Lab Sample ID:	1H22403-CCV1	Injection Time:	07:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	109.6	0.1492329	0.163644		9.7	20
cis-1,2-Dichloroethene	A	100.0	103.2	0.2503875	0.2585067		3.2	20
trans-1,2-Dichloroethene	A	100.0	102.8	0.2240218	0.2303619		2.8	20
1,2-Dichloropropane	A	100.0	103.0	0.216359	0.2228371		3.0	20
1,3-Dichloropropane	A	100.0	120.7	0.8502119	1.025988		20.7	20 *
2,2-Dichloropropane	A	100.0	101.1	0.4364498	0.4414191		1.1	20
1,1-Dichloropropene	A	100.0	103.3	0.3553169	0.3671347		3.3	20
cis-1,3-Dichloropropene	A	100.0	106.4	0.411869	0.4383197		6.4	20
trans-1,3-Dichloropropene	A	100.0	119.8	0.8172756	0.9794116		19.8	20
Ethylbenzene	A	100.0	111.8	2.419758	2.706457		11.8	20
Hexachlorobutadiene	A	100.0	100.0	0.3828814	0.3830053		0.03	20
2-Hexanone	A	200.0	247.0	0.3835157	0.473702		23.5	20 *
Isopropylbenzene	A	100.0	111.6	1.787967	1.99467		11.6	20
p-Isopropyltoluene	A	100.0	109.0	1.658073	1.80792		9.0	20
Methylene chloride	A	100.0	107.0	0.1860977	0.1990736		7.0	20
Naphthalene	A	100.0	112.0	1.369554	1.534556		12.0	20
4-Methyl-2-pentanone	A	200.0	205.8	0.2576867	0.2651734		2.9	20
Methyl t-Butyl Ether	A	100.0	106.4	0.750083	0.7984138		6.4	20
n-Propylbenzene	A	100.0	111.5	2.615418	2.916701		11.5	20
Styrene	A	100.0	111.9	1.325255	1.482789		11.9	20
1,1,2,2-Tetrachloroethane	A	100.0	111.2	0.5949751	0.6614094	0.3	11.2	20
1,1,1,2-Tetrachloroethane	L	100.0	99.65	0.5474485	0.6317543		-0.4	20
Tetrachloroethene	A	100.0	110.1	0.5708118	0.6286915		10.1	20
Toluene	A	100.0	111.8	1.135262	1.269827		11.9	20
1,2,3-Trichlorobenzene	A	100.0	107.8	0.6340517	0.6832436		7.8	20
1,2,4-Trichlorobenzene	A	100.0	107.6	0.6888209	0.7413852		7.6	20
1,1,2-Trichloroethane	A	100.0	118.6	0.3952658	0.4688075		18.6	20
1,1,1-Trichloroethane	A	100.0	98.49	0.4415644	0.4349027		-1.5	20
Trichloroethene	A	100.0	97.56	0.2563099	0.2500495		-2.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0811CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22403	Injection Date:	08/11/11
Lab Sample ID:	1H22403-CCV1	Injection Time:	07:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.2	0.4264743	0.4356469		2.2	20
1,2,3-Trichloropropane	A	100.0	110.3	0.1829839	0.2018748		10.3	20
1,3,5-Trimethylbenzene	A	100.0	110.5	1.744294	1.926907		10.5	20
1,2,4-Trimethylbenzene	A	100.0	111.3	1.745256	1.942251		11.3	20
Vinyl chloride	A	100.0	96.54	0.1553111	0.1499412		-3.5	20
m,p-Xylene	A	200.0	215.4	1.862007	2.005617		7.7	20
o-Xylene	A	100.0	111.2	1.985624	2.207819		11.2	20
Bromofluorobenzene	A	30.00	34.26	0.8344153	0.9529495		14.2	20
Dibromofluoromethane	A	30.00	29.01	0.3254106	0.3146634		-3.3	20
1,2-Dichloroethane-d4	A	30.00	29.81	6.267093E-02	6.227785E-02		-0.6	20
Toluene-d8	A	30.00	35.10	1.912359	2.237831		17.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0812CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22501	Injection Date:	08/12/11
Lab Sample ID:	1H22501-CCV1	Injection Time:	09:47

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	194.9	8.655942E-02	8.433713E-02		-2.6	20
Benzene	A	100.0	97.88	0.9042844	0.885107		-2.1	20
Bromobenzene	A	100.0	95.48	0.649784	0.6204216		-4.5	20
Bromochloromethane	A	100.0	106.2	0.135596	0.1440496		6.2	20
Bromodichloromethane	A	100.0	104.7	0.3693912	0.3868184		4.7	20
Bromoform	L	100.0	87.82	0.4457817	0.5181092	0.1	-12.2	20
Bromomethane	L	100.0	64.23	0.1432738	0.1105728		-35.8	20 *
n-Butylbenzene	A	100.0	97.37	1.63338	1.59047		-2.6	20
2-Butanone	A	200.0	220.1	0.130893	0.1440417		10.0	20
sec-Butylbenzene	A	100.0	95.88	1.945018	1.864908		-4.1	20
tert-Butylbenzene	A	100.0	93.90	1.637174	1.537331		-6.1	20
Carbon disulfide	A	100.0	116.3	0.4975247	0.5784923		16.3	20
Carbon tetrachloride	A	100.0	93.34	0.3996617	0.3730265		-6.7	20
Chlorobenzene	A	100.0	100.9	1.298758	1.310102	0.3	0.9	20
Chloroethane	A	100.0	106.5	0.1141797	0.1215595		6.5	20
Chloroform	A	100.0	99.06	0.519736	0.5148799		-0.9	20
Chloromethane	A	100.0	86.41	0.2182924	0.1886274	0.1	-13.6	20
2-Chlorotoluene	A	100.0	98.21	1.702465	1.672043		-1.8	20
4-Chlorotoluene	A	100.0	98.08	1.990602	1.952352		-1.9	20
Dibromochloromethane	L	100.0	95.79	0.5980214	0.7128572		-4.2	20
1,2-Dibromo-3-chloropropane	L	100.0	86.22	0.1228865	0.1380316		-13.8	20
1,2-Dibromoethane (EDB)	A	100.0	105.0	0.5085674	0.5340198		5.0	20
Dibromomethane	A	100.0	96.77	0.180141	0.1743247		-3.2	20
1,2-Dichlorobenzene	A	100.0	95.74	1.078607	1.03265		-4.3	20
1,3-Dichlorobenzene	A	100.0	96.37	1.101378	1.061446		-3.6	20
1,4-Dichlorobenzene	A	100.0	96.28	1.14648	1.103833		-3.7	20
Dichlorodifluoromethane	A	100.0	94.64	0.3068391	0.2904046		-5.4	20
1,1-Dichloroethane	A	100.0	97.66	0.431906	0.4218102	0.1	-2.3	20
1,2-Dichloroethane	A	100.0	97.04	0.4264077	0.4138069		-3.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0812CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22501	Injection Date:	08/12/11
Lab Sample ID:	1H22501-CCV1	Injection Time:	09:47

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	101.9	0.1492329	0.1520951		1.9	20
cis-1,2-Dichloroethene	A	100.0	97.09	0.2503875	0.2430991		-2.9	20
trans-1,2-Dichloroethene	A	100.0	93.07	0.2240218	0.2084959		-6.9	20
1,2-Dichloropropane	A	100.0	96.39	0.216359	0.2085491		-3.6	20
1,3-Dichloropropane	A	100.0	112.2	0.8502119	0.9541249		12.2	20
2,2-Dichloropropane	A	100.0	89.19	0.4364498	0.389277		-10.8	20
1,1-Dichloropropene	A	100.0	92.82	0.3553169	0.3297949		-7.2	20
cis-1,3-Dichloropropene	A	100.0	97.18	0.411869	0.4002422		-2.8	20
trans-1,3-Dichloropropene	A	100.0	115.8	0.8172756	0.9463385		15.8	20
Ethylbenzene	A	100.0	96.97	2.419758	2.346507		-3.0	20
Hexachlorobutadiene	A	100.0	91.89	0.3828814	0.3518462		-8.1	20
2-Hexanone	A	200.0	243.9	0.3835157	0.4676313		21.9	20 *
Isopropylbenzene	A	100.0	100.4	1.787967	1.795591		0.4	20
p-Isopropyltoluene	A	100.0	98.37	1.658073	1.631025		-1.6	20
Methylene chloride	A	100.0	102.6	0.1860977	0.1910053		2.6	20
Naphthalene	A	100.0	97.07	1.369554	1.329377		-2.9	20
4-Methyl-2-pentanone	A	200.0	206.9	0.2576867	0.2665673		3.4	20
Methyl t-Butyl Ether	A	100.0	100.9	0.750083	0.7571956		0.9	20
n-Propylbenzene	A	100.0	96.14	2.615418	2.51437		-3.9	20
Styrene	A	100.0	101.6	1.325255	1.346181		1.6	20
1,1,2,2-Tetrachloroethane	A	100.0	103.1	0.5949751	0.6132555	0.3	3.1	20
1,1,1,2-Tetrachloroethane	L	100.0	93.24	0.5474485	0.5905306		-6.8	20
Tetrachloroethene	A	100.0	97.63	0.5708118	0.5573016		-2.4	20
Toluene	A	100.0	97.65	1.135262	1.108561		-2.4	20
1,2,3-Trichlorobenzene	A	100.0	94.49	0.6340517	0.599109		-5.5	20
1,2,4-Trichlorobenzene	A	100.0	97.47	0.6888209	0.6714071		-2.5	20
1,1,2-Trichloroethane	A	100.0	106.0	0.3952658	0.4188001		6.0	20
1,1,1-Trichloroethane	A	100.0	90.94	0.4415644	0.4015602		-9.1	20
Trichloroethene	A	100.0	90.80	0.2563099	0.2327167		-9.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0812CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H22501	Injection Date:	08/12/11
Lab Sample ID:	1H22501-CCV1	Injection Time:	09:47

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	97.71	0.4264743	0.4166933		-2.3	20
1,2,3-Trichloropropane	A	100.0	104.4	0.1829839	0.191106		4.4	20
1,3,5-Trimethylbenzene	A	100.0	95.34	1.744294	1.663062		-4.7	20
1,2,4-Trimethylbenzene	A	100.0	96.14	1.745256	1.677863		-3.9	20
Vinyl chloride	A	100.0	91.90	0.1553111	0.1427268		-8.1	20
m,p-Xylene	A	200.0	191.9	1.862007	1.786796		-4.0	20
o-Xylene	A	100.0	99.71	1.985624	1.979871		-0.3	20
Bromofluorobenzene	A	30.00	33.24	0.8344153	0.9246979		10.8	20
Dibromofluoromethane	A	30.00	30.66	0.3254106	0.3326092		2.2	20
1,2-Dichloroethane-d4	A	30.00	30.38	6.267093E-02	6.346174E-02		1.3	20
Toluene-d8	A	30.00	34.43	1.912359	2.194724		14.8	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H04007-BLK1 File ID: 0804BLK2.D

Sampled: Prepared: Analyzed: 08/04/11 21:19

Solids: Preparation: 5030B Dilution:

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	Q, 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	X, U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	Q, 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	0.261	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H04007-BLK1 File ID: 0804BLK2.D

Sampled: Prepared: Analyzed: 08/04/11 21:19

Solids: Preparation: 5030B Dilution:

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	X, U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.46	105	75 - 120	
Dibromofluoromethane	30.00	30.35	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	31.45	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H04007-BS1 File ID: 0804LCS2.D

Sampled: Prepared: Analyzed: 08/04/11 20:00

Solids: Preparation: 5030B Dilution:

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	101	2.50	5.00	10.0	
71-43-2	Benzene	57.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	56.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	58.0	0.250	0.500	1.00	
75-25-2	Bromoform	45.3	0.250	0.500	1.00	
74-83-9	Bromomethane	29.9	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	54.4	0.250	0.500	1.00	
78-93-3	2-Butanone	117	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	56.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	56.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	62.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.6	0.250	0.500	1.00	
75-00-3	Chloroethane	59.6	0.500	1.00	2.00	
67-66-3	Chloroform	51.4	0.250	0.500	1.00	
74-87-3	Chloromethane	49.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	55.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.7	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	57.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	56.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	55.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	48.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	57.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	60.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	56.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	58.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.0	0.250	0.500	1.00	X
594-20-7	2,2-Dichloropropane	43.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.9	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	62.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	55.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	53.7	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H04007-BS1 File ID: 0804LCS2.D

Sampled: Prepared: Analyzed: 08/04/11 20:00

Solids: Preparation: 5030B Dilution:

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	122	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	58.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	58.0	0.500	1.00	2.00	
91-20-3	Naphthalene	54.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	113	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	54.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.7	0.250	0.500	1.00	
100-42-5	Styrene	58.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	59.6	0.250	0.500	1.00	X
630-20-6	1,1,1,2-Tetrachloroethane	50.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.0	0.250	0.500	1.00	
108-88-3	Toluene	57.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	55.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	53.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	57.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	54.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	55.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	57.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.3	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	109	0.500	1.00	2.00	
95-47-6	o-Xylene	54.9	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.59	109	75 - 120	
Dibromofluoromethane	30.00	30.96	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.99	103	70 - 120	
Toluene-d8	30.00	32.94	110	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H04007-BSD1 File ID: 0804LCD2.D

Sampled: Prepared: Analyzed: 08/05/11 07:17

Solids: Preparation: 5030B Dilution:

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	56.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	57.5	0.250	0.500	1.00	
75-25-2	Bromoform	44.7	0.250	0.500	1.00	
74-83-9	Bromomethane	11.0	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	52.9	0.250	0.500	1.00	
78-93-3	2-Butanone	119	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	55.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	55.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	64.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	56.6	0.250	0.500	1.00	
75-00-3	Chloroethane	69.5	0.500	1.00	2.00	
67-66-3	Chloroform	50.5	0.250	0.500	1.00	
74-87-3	Chloromethane	43.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	57.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	54.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	57.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	58.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	57.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	57.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	58.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	58.0	0.250	0.500	1.00	X
594-20-7	2,2-Dichloropropane	33.9	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	60.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	55.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.5	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H04007-BSD1 File ID: 0804LCD2.D

Sampled: Prepared: Analyzed: 08/05/11 07:17

Solids: Preparation: 5030B Dilution:

Batch: 1H04007 Sequence: 1H21704 Calibration: 1197002 Instrument: MS-VOA6

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	56.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	56.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	58.0	0.500	1.00	2.00	
91-20-3	Naphthalene	52.6	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	116	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	55.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.4	0.250	0.500	1.00	
100-42-5	Styrene	58.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	62.3	0.250	0.500	1.00	X
630-20-6	1,1,1,2-Tetrachloroethane	49.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	51.7	0.250	0.500	1.00	
108-88-3	Toluene	57.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.3	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	51.8	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	58.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	56.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	48.6	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	109	0.500	1.00	2.00	
95-47-6	o-Xylene	54.9	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.70	106	75 - 120	
Dibromofluoromethane	30.00	30.54	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.32	104	70 - 120	
Toluene-d8	30.00	33.11	110	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H06001-BLK1 File ID: 0806BLK1.D

Sampled: Prepared: Analyzed: 08/06/11 09:07

Solids: Preparation: 5030B Dilution:

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H06001-BLK1 File ID: 0806BLK1.D

Sampled: Prepared: Analyzed: 08/06/11 09:07

Solids: Preparation: 5030B Dilution:

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.22	107	75 - 120	
Dibromofluoromethane	30.00	31.22	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.66	102	70 - 120	
Toluene-d8	30.00	31.42	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H06001-BS1 File ID: 0806LCS1.D

Sampled: Prepared: Analyzed: 08/06/11 07:48

Solids: Preparation: 5030B Dilution:

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	107	2.50	5.00	10.0	
71-43-2	Benzene	59.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	56.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	58.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	60.5	0.250	0.500	1.00	
75-25-2	Bromoform	47.7	0.250	0.500	1.00	
74-83-9	Bromomethane	48.5	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	58.9	0.250	0.500	1.00	
78-93-3	2-Butanone	119	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	58.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	57.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	62.6	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	55.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.9	0.250	0.500	1.00	
75-00-3	Chloroethane	61.9	0.500	1.00	2.00	
67-66-3	Chloroform	53.2	0.250	0.500	1.00	
74-87-3	Chloromethane	59.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	57.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	59.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	57.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	58.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	55.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	57.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	56.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	56.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	59.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	62.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	57.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	58.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	59.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	56.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	56.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	58.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	66.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	56.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	57.9	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H06001-BS1 File ID: 0806LCS1.D

Sampled: Prepared: Analyzed: 08/06/11 07:48

Solids: Preparation: 5030B Dilution:

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	124	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	59.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	60.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	56.6	0.500	1.00	2.00	
91-20-3	Naphthalene	61.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	116	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	57.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	58.7	0.250	0.500	1.00	
100-42-5	Styrene	58.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	58.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	55.8	0.250	0.500	1.00	
108-88-3	Toluene	58.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	59.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	59.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	56.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	55.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	57.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	55.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	57.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	59.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	113	0.500	1.00	2.00	
95-47-6	o-Xylene	55.4	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.83	109	75 - 120	
Dibromofluoromethane	30.00	31.27	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.17	104	70 - 120	
Toluene-d8	30.00	32.18	107	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H06001-BSD1 File ID: 0806LCD1.D

Sampled: Prepared: Analyzed: 08/06/11 18:28

Solids: Preparation: 5030B Dilution:

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	98.3	2.50	5.00	10.0	
71-43-2	Benzene	57.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	55.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	57.8	0.250	0.500	1.00	
75-25-2	Bromoform	43.5	0.250	0.500	1.00	
74-83-9	Bromomethane	25.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	56.2	0.250	0.500	1.00	
78-93-3	2-Butanone	115	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	56.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	57.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	66.5	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	53.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.6	0.250	0.500	1.00	
75-00-3	Chloroethane	60.6	0.500	1.00	2.00	
67-66-3	Chloroform	52.0	0.250	0.500	1.00	
74-87-3	Chloromethane	50.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.3	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)	56.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	56.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	55.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	54.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	57.4	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	57.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	61.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	56.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	57.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	57.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	45.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	56.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	61.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	57.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.3	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H06001-BSD1 File ID: 0806LCD1.D

Sampled: Prepared: Analyzed: 08/06/11 18:28

Solids: Preparation: 5030B Dilution:

Batch: 1H06001 Sequence: 1H21902 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	120	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	58.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	58.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	60.9	0.500	1.00	2.00	
91-20-3	Naphthalene	59.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	110	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	55.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.8	0.250	0.500	1.00	
100-42-5	Styrene	58.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	58.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.1	0.250	0.500	1.00	
108-88-3	Toluene	57.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	55.9	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	55.9	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	57.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	56.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	57.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.3	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	112	0.500	1.00	2.00	
95-47-6	o-Xylene	55.2	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	33.00	110	75 - 120	
Dibromofluoromethane	30.00	31.22	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.04	100	70 - 120	
Toluene-d8	30.00	32.59	109	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07001-BLK1 File ID: 0807BLK1.D

Sampled: Prepared: Analyzed: 08/07/11 10:12

Solids: Preparation: 5030B Dilution:

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, 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	X, 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	X, 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	X, 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	X, U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.262	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07001-BLK1 File ID: 0807BLK1.D

Sampled: Prepared: Analyzed: 08/07/11 10:12

Solids: Preparation: 5030B Dilution:

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	X, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.65	106	75 - 120	
Dibromofluoromethane	30.00	30.70	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.67	102	70 - 120	
Toluene-d8	30.00	31.10	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07001-BS1 File ID: 0807LCS1.D

Sampled: Prepared: Analyzed: 08/07/11 08:54

Solids: Preparation: 5030B Dilution:

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	102	2.50	5.00	10.0	
71-43-2	Benzene	58.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	55.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	58.7	0.250	0.500	1.00	
75-25-2	Bromoform	43.5	0.250	0.500	1.00	
74-83-9	Bromomethane	37.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	58.7	0.250	0.500	1.00	X
78-93-3	2-Butanone	116	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	58.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	57.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	63.5	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	52.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.5	0.250	0.500	1.00	
75-00-3	Chloroethane	62.2	0.500	1.00	2.00	X
67-66-3	Chloroform	50.6	0.250	0.500	1.00	
74-87-3	Chloromethane	57.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	57.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	58.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.0	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	55.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	56.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	54.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	55.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	57.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	58.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	56.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	59.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	59.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	55.5	0.250	0.500	1.00	X
594-20-7	2,2-Dichloropropane	53.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	56.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	62.7	0.250	0.500	1.00	X
100-41-4	Ethylbenzene	55.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	55.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07001-BS1 File ID: 0807LCS1.D

Sampled: Prepared: Analyzed: 08/07/11 08:54

Solids: Preparation: 5030B Dilution:

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	116	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	58.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	59.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	59.0	0.500	1.00	2.00	
91-20-3	Naphthalene	57.9	0.250	0.500	1.00	X
108-10-1	4-Methyl-2-pentanone	118	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	54.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	58.1	0.250	0.500	1.00	
100-42-5	Styrene	58.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	57.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.7	0.250	0.500	1.00	
108-88-3	Toluene	57.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	57.0	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	56.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	55.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	55.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	57.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	58.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	56.0	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	112	0.500	1.00	2.00	
95-47-6	o-Xylene	55.6	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.46	108	75 - 120	
Dibromofluoromethane	30.00	30.77	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.55	102	70 - 120	
Toluene-d8	30.00	32.15	107	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07001-BSD1 File ID: 0807LCD1.D

Sampled: Prepared: Analyzed: 08/07/11 18:40

Solids: Preparation: 5030B Dilution:

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	96.6	2.50	5.00	10.0	
71-43-2	Benzene	57.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	55.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	55.4	0.250	0.500	1.00	
75-25-2	Bromoform	42.6	0.250	0.500	1.00	
74-83-9	Bromomethane	29.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	56.0	0.250	0.500	1.00	X
78-93-3	2-Butanone	118	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	56.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	55.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	64.1	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	49.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.3	0.250	0.500	1.00	
75-00-3	Chloroethane	61.3	0.500	1.00	2.00	X
67-66-3	Chloroform	49.0	0.250	0.500	1.00	
74-87-3	Chloromethane	53.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	56.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	55.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	54.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	52.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	56.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	59.5	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	58.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.5	0.250	0.500	1.00	X
594-20-7	2,2-Dichloropropane	43.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	60.8	0.250	0.500	1.00	X
100-41-4	Ethylbenzene	54.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07001-BSD1 File ID: 0807LCD1.D

Sampled: Prepared: Analyzed: 08/07/11 18:40

Solids: Preparation: 5030B Dilution:

Batch: 1H07001 Sequence: 1H22105 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	121	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	55.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.8	0.500	1.00	2.00	
91-20-3	Naphthalene	57.9	0.250	0.500	1.00	X
108-10-1	4-Methyl-2-pentanone	113	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	57.3	0.250	0.500	1.00	
100-42-5	Styrene	58.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	59.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.5	0.250	0.500	1.00	
108-88-3	Toluene	56.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	53.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	56.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	56.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	58.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	49.1	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	107	0.500	1.00	2.00	
95-47-6	o-Xylene	54.6	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.45	105	75 - 120	
Dibromofluoromethane	30.00	30.02	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.12	100	70 - 120	
Toluene-d8	30.00	32.46	108	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07002-BLK1 File ID: 0807BLK2.D

Sampled: Prepared: Analyzed: 08/07/11 21:18

Solids: Preparation: 5030B Dilution:

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07002-BLK1 File ID: 0807BLK2.D

Sampled: Prepared: Analyzed: 08/07/11 21:18

Solids: Preparation: 5030B Dilution:

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.58	105	75 - 120	
Dibromofluoromethane	30.00	30.73	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	31.58	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07002-BS1 File ID: 0807LCS2.D

Sampled: Prepared: Analyzed: 08/07/11 20:00

Solids: Preparation: 5030B Dilution:

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.0	2.50	5.00	10.0	
71-43-2	Benzene	57.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	55.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	57.8	0.250	0.500	1.00	
75-25-2	Bromoform	44.7	0.250	0.500	1.00	
74-83-9	Bromomethane	30.0	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	57.0	0.250	0.500	1.00	
78-93-3	2-Butanone	113	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	58.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	56.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	65.3	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	52.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.6	0.250	0.500	1.00	
75-00-3	Chloroethane	60.9	0.500	1.00	2.00	
67-66-3	Chloroform	51.4	0.250	0.500	1.00	
74-87-3	Chloromethane	52.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	58.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	57.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	57.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	55.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	56.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	55.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	53.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	57.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	60.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	56.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	58.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	58.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.4	0.250	0.500	1.00	X
594-20-7	2,2-Dichloropropane	45.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	56.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	63.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	56.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	53.9	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H07002-BS1 File ID: 0807LCS2.D

Sampled: Prepared: Analyzed: 08/07/11 20:00

Solids: Preparation: 5030B Dilution:

Batch: 1H07002 Sequence: 1H22109 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	117	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	58.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	59.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.5	0.500	1.00	2.00	
91-20-3	Naphthalene	57.8	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	110	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	58.5	0.250	0.500	1.00	
100-42-5	Styrene	59.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	59.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.6	0.250	0.500	1.00	
108-88-3	Toluene	58.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	57.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	56.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	58.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	57.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	57.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	111	0.500	1.00	2.00	
95-47-6	o-Xylene	55.7	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	33.08	110	75 - 120	
Dibromofluoromethane	30.00	30.94	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.13	100	70 - 120	
Toluene-d8	30.00	33.03	110	85 - 120	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H11001-BLK1 File ID: 0811BLK1.D

Sampled: Prepared: Analyzed: 08/11/11 08:55

Solids: Preparation: 5030B Dilution:

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H11001-BLK1 File ID: 0811BLK1.D

Sampled: Prepared: Analyzed: 08/11/11 08:55

Solids: Preparation: 5030B Dilution:

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.16	104	75 - 120	
Dibromofluoromethane	30.00	30.75	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.45	102	70 - 120	
Toluene-d8	30.00	31.34	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H11001-BS1 File ID: 0811LCS1.D

Sampled: Prepared: Analyzed: 08/11/11 07:37

Solids: Preparation: 5030B Dilution:

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	93.4	2.50	5.00	10.0	
71-43-2	Benzene	53.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	56.0	0.250	0.500	1.00	
75-25-2	Bromoform	43.0	0.250	0.500	1.00	
74-83-9	Bromomethane	29.7	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	55.4	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	54.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	60.0	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	52.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	56.1	0.250	0.500	1.00	
75-00-3	Chloroethane	55.0	0.500	1.00	2.00	
67-66-3	Chloroform	50.5	0.250	0.500	1.00	
74-87-3	Chloromethane	46.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	53.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	42.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	52.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	54.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	52.3	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	59.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.4	0.250	0.500	1.00	X
594-20-7	2,2-Dichloropropane	50.9	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	61.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	54.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.9	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H11001-BS1 File ID: 0811LCS1.D

Sampled: Prepared: Analyzed: 08/11/11 07:37

Solids: Preparation: 5030B Dilution:

Batch: 1H11001 Sequence: 1H22403 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	113	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	56.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.9	0.500	1.00	2.00	
91-20-3	Naphthalene	53.0	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.9	0.250	0.500	1.00	
100-42-5	Styrene	57.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.2	0.250	0.500	1.00	
108-88-3	Toluene	55.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.1	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	56.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.2	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	109	0.500	1.00	2.00	
95-47-6	o-Xylene	54.3	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.83	109	75 - 120	
Dibromofluoromethane	30.00	30.52	102	85 - 115	
1,2-Dichloroethane-d4	30.00	36.12	120	70 - 120	
Toluene-d8	30.00	32.59	109	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H12027-BLK1 File ID: 0812BLK1.D

Sampled: Prepared: Analyzed: 08/12/11 11:32

Solids: Preparation: 5030B Dilution:

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H12027-BLK1 File ID: 0812BLK1.D

Sampled: Prepared: Analyzed: 08/12/11 11:32

Solids: Preparation: 5030B Dilution:

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.07	104	75 - 120	
Dibromofluoromethane	30.00	31.07	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.80	99.3	70 - 120	
Toluene-d8	30.00	31.63	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H12027-BS1 File ID: 0812LCS1.D

Sampled: Prepared: Analyzed: 08/12/11 10:14

Solids: Preparation: 5030B Dilution:

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	95.8	2.50	5.00	10.0	
71-43-2	Benzene	48.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.1	0.250	0.500	1.00	
75-25-2	Bromoform	41.8	0.250	0.500	1.00	
74-83-9	Bromomethane	29.2	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	49.3	0.250	0.500	1.00	
78-93-3	2-Butanone	108	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	54.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.7	0.250	0.500	1.00	
75-00-3	Chloroethane	49.1	0.500	1.00	2.00	
67-66-3	Chloroform	47.4	0.250	0.500	1.00	
74-87-3	Chloromethane	40.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	45.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	41.7	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.1	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	50.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	41.1	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	50.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	47.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	58.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.3	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H12027-BS1 File ID: 0812LCS1.D

Sampled: Prepared: Analyzed: 08/12/11 10:14

Solids: Preparation: 5030B Dilution:

Batch: 1H12027 Sequence: 1H22501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	114	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	51.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.2	0.500	1.00	2.00	
91-20-3	Naphthalene	47.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.8	0.250	0.500	1.00	
100-42-5	Styrene	51.4	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	45.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.2	0.250	0.500	1.00	
108-88-3	Toluene	50.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.1	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	48.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	51.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	45.8	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	98.6	0.500	1.00	2.00	
95-47-6	o-Xylene	49.6	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	33.07	110	75 - 120	
Dibromofluoromethane	30.00	31.40	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.18	101	70 - 120	
Toluene-d8	30.00	32.14	107	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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
GW0192	08/01/11 12:01	08/02/11 09:00	08/06/11 00:00	N/A	14.00	08/06/11 09:33	4.86	14.00	
GW0193	08/01/11 12:01	08/02/11 09:00	08/06/11 00:00	N/A	14.00	08/06/11 10:00	4.87	14.00	
GW0194	08/01/11 15:10	08/02/11 09:00	08/06/11 00:00	N/A	14.00	08/06/11 10:27	4.76	14.00	
GW0225	08/01/11 14:25	08/02/11 09:00	08/06/11 00:00	N/A	14.00	08/06/11 10:54	4.81	14.00	
GW8084-TB	08/01/11 08:00	08/02/11 09:00	08/04/11 00:00	N/A	14.00	08/04/11 22:12	3.55	14.00	
GW0222	08/02/11 10:41	08/03/11 09:00	08/07/11 00:00	N/A	14.00	08/07/11 16:53	5.22	14.00	
GW0223	08/02/11 10:41	08/03/11 09:00	08/07/11 00:00	N/A	14.00	08/07/11 17:20	5.24	14.00	
GW8022-RB	08/02/11 08:20	08/03/11 09:00	08/04/11 00:00	N/A	14.00	08/04/11 23:59	2.61	14.00	
GW8023-AB	08/02/11 10:41	08/03/11 09:00	08/04/11 00:00	N/A	14.00	08/05/11 00:53	2.55	14.00	
GW8085-TB	08/02/11 08:00	08/03/11 09:00	08/04/11 00:00	N/A	14.00	08/05/11 00:26	2.64	14.00	
GW0224	08/03/11 14:55	08/04/11 09:00	08/07/11 00:00	N/A	14.00	08/07/11 23:58	4.34	14.00	
GW0228	08/03/11 15:10	08/04/11 09:00	08/07/11 00:00	N/A	14.00	08/08/11 00:25	4.34	14.00	
GW8086-TB	08/03/11 08:00	08/04/11 09:00	08/07/11 00:00	N/A	14.00	08/07/11 21:45	4.53	14.00	
GW0226	08/04/11 14:58	08/05/11 09:00	08/11/11 00:00	N/A	14.00	08/11/11 16:51	7.04	14.00	
GW0227	08/04/11 11:28	08/05/11 09:00	08/11/11 00:00	N/A	14.00	08/11/11 17:18	7.20	14.00	
GW8087-TB	08/04/11 08:00	08/05/11 09:00	08/11/11 00:00	N/A	14.00	08/11/11 10:36	7.07	14.00	
GW0245	08/05/11 13:24	08/08/11 09:00	08/12/11 00:00	N/A	14.00	08/12/11 13:57	6.98	14.00	
GW0246	08/05/11 13:24	08/08/11 09:00	08/12/11 00:00	N/A	14.00	08/12/11 14:23	7.00	14.00	
GW8024-AB	08/05/11 13:24	08/08/11 09:00	08/12/11 00:00	N/A	14.00	08/12/11 14:50	7.02	14.00	
GW8088-TB	08/05/11 08:00	08/08/11 09:00	08/12/11 00:00	N/A	14.00	08/12/11 12:01	7.13	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	0801901.D
Sampled:	08/01/11 12:01	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 08:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	Q, X, U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, X, 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	X, U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		12.0	24.0	48.1	Q, X, 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	Q, X, U

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	0801901.D
Sampled:	08/01/11 12:01	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 08:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.02	1.20	2.40	4.81	B, Q, X, J
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	Q, Y, 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
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	X, 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	31.16	64.8	50 - 110	
2-Fluorophenol	96.15	28.97	30.1	20 - 110	
Nitrobenzene-d5	48.08	33.31	69.3	40 - 110	
Phenol-d6	96.15	16.48	17.1	0 - 110	
Terphenyl-d14	48.08	55.42	115	50 - 135	X
2,4,6-Tribromophenol	96.15	67.35	70.0	40 - 125	

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	0801903.D
Sampled:	08/01/11 12:01	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 11:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, X, 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	X, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		12.3	24.5	49.0	Q, X, 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	Q, X, U

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	0801903.D
Sampled:	08/01/11 12:01	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 11:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	6.38	1.23	2.45	4.90	Q, X, B
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	Q, Y, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	33.06	67.4	50 - 110	
2-Fluorophenol	98.04	29.02	29.6	20 - 110	
Nitrobenzene-d5	49.02	33.56	68.5	40 - 110	
Phenol-d6	98.04	16.53	16.9	0 - 110	
Terphenyl-d14	49.02	60.38	123	50 - 135	X
2,4,6-Tribromophenol	98.04	82.90	84.6	40 - 125	

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	0801905.D
Sampled:	08/01/11 15:10	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 12:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	0801905.D
Sampled:	08/01/11 15:10	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 12:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.11	1.25	2.50	5.00	X, Q, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	Q, Y, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	32.43	64.9	50 - 110	
2-Fluorophenol	100.0	31.30	31.3	20 - 110	
Nitrobenzene-d5	50.00	34.44	68.9	40 - 110	
Phenol-d6	100.0	18.05	18.0	0 - 110	
Terphenyl-d14	50.00	65.05	130	50 - 135	X
2,4,6-Tribromophenol	100.0	86.86	86.9	40 - 125	

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	0801907.D
Sampled:	08/01/11 14:25	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 13:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	0801907.D
Sampled:	08/01/11 14:25	Prepared:	08/04/11 15:39	Analyzed:	08/18/11 13:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.11	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	Q, Y, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	31.26	62.5	50 - 110	
2-Fluorophenol	100.0	33.55	33.5	20 - 110	
Nitrobenzene-d5	50.00	33.81	67.6	40 - 110	
Phenol-d6	100.0	18.91	18.9	0 - 110	
Terphenyl-d14	50.00	63.39	127	50 - 135	X
2,4,6-Tribromophenol	100.0	86.11	86.1	40 - 125	

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	0804609.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 15:39	Analyzed:	08/20/11 13:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Y, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	X, Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	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		12.5	25.0	50.0	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, Q, U

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	0804609.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 15:39	Analyzed:	08/20/11 13:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.77	1.25	2.50	5.00	X, Q, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	Q, 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
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	30.99	62.0	50 - 110	
2-Fluorophenol	100.0	34.03	34.0	20 - 110	
Nitrobenzene-d5	50.00	33.08	66.2	40 - 110	
Phenol-d6	100.0	17.56	17.6	0 - 110	
Terphenyl-d14	50.00	52.06	104	50 - 135	
2,4,6-Tribromophenol	100.0	78.86	78.9	40 - 125	

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	0804611.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 15:39	Analyzed:	08/20/11 13:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	Y, U
100-52-7	Benzaldehyde		1.20	2.40	4.81	Y, U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, X, 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		12.0	24.0	48.1	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, Q, U

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	0804611.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 15:39	Analyzed:	08/20/11 13:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.47	1.20	2.40	4.81	X, Q, J, B
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	Q, 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
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	30.60	63.6	50 - 110	
2-Fluorophenol	96.15	27.82	28.9	20 - 110	
Nitrobenzene-d5	48.08	30.99	64.5	40 - 110	
Phenol-d6	96.15	14.87	15.5	0 - 110	
Terphenyl-d14	48.08	49.20	102	50 - 135	
2,4,6-Tribromophenol	96.15	78.43	81.6	40 - 125	

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	0804613.D
Sampled:	08/02/11 08:20	Prepared:	08/04/11 15:39	Analyzed:	08/20/11 14:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	Y, U
100-52-7	Benzaldehyde		1.20	2.40	4.81	Y, U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, X, 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		12.0	24.0	48.1	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, Q, U

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	0804613.D
Sampled:	08/02/11 08:20	Prepared:	08/04/11 15:39	Analyzed:	08/20/11 14:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H03008 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.79	1.20	2.40	4.81	Q, X, J, B
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	Q, 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
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	30.46	63.3	50 - 110	
2-Fluorophenol	96.15	29.27	30.4	20 - 110	
Nitrobenzene-d5	48.08	32.83	68.3	40 - 110	
Phenol-d6	96.15	15.67	16.3	0 - 110	
Terphenyl-d14	48.08	46.69	97.1	50 - 135	
2,4,6-Tribromophenol	96.15	51.67	53.7	40 - 125	

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	0805603.D
Sampled:	08/03/11 14:55	Prepared:	08/09/11 12:57	Analyzed:	08/16/11 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23110 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, 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	X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, 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	Q, X, U

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	0805603.D
Sampled:	08/03/11 14:55	Prepared:	08/09/11 12:57	Analyzed:	08/16/11 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23110 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.06	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	27.66	55.3	50 - 110	
2-Fluorophenol	100.0	34.70	34.7	20 - 110	
Nitrobenzene-d5	50.00	32.32	64.6	40 - 110	
Phenol-d6	100.0	18.09	18.1	0 - 110	
Terphenyl-d14	50.00	58.16	116	50 - 135	
2,4,6-Tribromophenol	100.0	87.77	87.8	40 - 125	

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	0805605.D
Sampled:	08/03/11 15:10	Prepared:	08/09/11 12:57	Analyzed:	08/16/11 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23110 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, 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	X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, 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	Q, X, U

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	0805605.D
Sampled:	08/03/11 15:10	Prepared:	08/09/11 12:57	Analyzed:	08/16/11 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23110 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.63	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	23.29	46.6	50 - 110	*
2-Fluorophenol	100.0	33.15	33.1	20 - 110	
Nitrobenzene-d5	50.00	29.71	59.4	40 - 110	
Phenol-d6	100.0	16.04	16.0	0 - 110	
Terphenyl-d14	50.00	57.49	115	50 - 135	
2,4,6-Tribromophenol	100.0	82.87	82.9	40 - 125	

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	0807801.D
Sampled:	08/04/11 14:58	Prepared:	08/09/11 12:57	Analyzed:	08/18/11 19:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	0807801.D
Sampled:	08/04/11 14:58	Prepared:	08/09/11 12:57	Analyzed:	08/18/11 19:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23202 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.98	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	Y, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	28.23	56.5	50 - 110	
2-Fluorophenol	100.0	38.81	38.8	20 - 110	
Nitrobenzene-d5	50.00	34.82	69.6	40 - 110	
Phenol-d6	100.0	23.60	23.6	0 - 110	
Terphenyl-d14	50.00	52.12	104	50 - 135	X
2,4,6-Tribromophenol	100.0	78.78	78.8	40 - 125	

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	0807803.D
Sampled:	08/04/11 11:28	Prepared:	08/09/11 12:57	Analyzed:	08/20/11 15:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Y, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, X, 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		12.3	24.5	49.0	X, 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	Q, X, U

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	0807803.D
Sampled:	08/04/11 11:28	Prepared:	08/09/11 12:57	Analyzed:	08/20/11 15:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09009 Sequence: 1H23409 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.44	1.23	2.45	4.90	Q, X, J, B
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	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
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	24.42	49.8	50 - 110	*
2-Fluorophenol	98.04	37.14	37.9	20 - 110	
Nitrobenzene-d5	49.02	34.68	70.7	40 - 110	
Phenol-d6	98.04	20.93	21.4	0 - 110	
Terphenyl-d14	49.02	43.32	88.4	50 - 135	
2,4,6-Tribromophenol	98.04	72.20	73.6	40 - 125	

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	0809701.D
Sampled:	08/05/11 13:24	Prepared:	08/11/11 11:15	Analyzed:	08/23/11 07:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H10018 Sequence: 1H23537 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, X, 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		12.0	24.0	48.1	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, U

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	0809701.D
Sampled:	08/05/11 13:24	Prepared:	08/11/11 11:15	Analyzed:	08/23/11 07:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H10018 Sequence: 1H23537 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.51	1.20	2.40	4.81	Q, X, J, B
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
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	31.67	65.9	50 - 110	
2-Fluorophenol	96.15	22.41	23.3	20 - 110	
Nitrobenzene-d5	48.08	30.02	62.4	40 - 110	
Phenol-d6	96.15	15.00	15.6	0 - 110	
Terphenyl-d14	48.08	43.22	89.9	50 - 135	
2,4,6-Tribromophenol	96.15	41.21	42.9	40 - 125	

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	0809703.D
Sampled:	08/05/11 13:24	Prepared:	08/11/11 11:15	Analyzed:	08/23/11 08:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H10018 Sequence: 1H23537 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, 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		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	0809703.D
Sampled:	08/05/11 13:24	Prepared:	08/11/11 11:15	Analyzed:	08/23/11 08:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H10018 Sequence: 1H23537 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.79	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
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	37.52	75.0	50 - 110	
2-Fluorophenol	100.0	36.96	37.0	20 - 110	
Nitrobenzene-d5	50.00	37.11	74.2	40 - 110	
Phenol-d6	100.0	21.42	21.4	0 - 110	
Terphenyl-d14	50.00	56.06	112	50 - 135	
2,4,6-Tribromophenol	100.0	89.07	89.1	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22707	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22707-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/13/11 19:38		
2-Fluorobiphenyl	50.00	106	80 - 120	10.853	10.853	0.0000	+/-0.500	
2-Fluorophenol	100.0	96.8	80 - 120	6.237	6.237	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	85.7	80 - 120	8.583	8.583	0.0000	+/-0.500	
Phenol-d6	100.0	101	80 - 120	7.365	7.365	0.0000	+/-0.500	
Terphenyl-d14	50.00	123	80 - 120	16.11	16.11	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	90.0	80 - 120	12.707	12.707	0.0000	+/-0.500	
Blank (1H09009-BLK1) ug/L				Lab File ID: H09009B1.D		Analyzed: 08/13/11 21:37		
2-Fluorobiphenyl	50.00	61.6	50 - 110	10.83	10.853	-0.0230	+/-0.500	
2-Fluorophenol	100.0	33.6	20 - 110	6.209	6.237	-0.0280	+/-0.500	
Nitrobenzene-d5	50.00	65.4	40 - 110	8.555	8.583	-0.0280	+/-0.500	
Phenol-d6	100.0	20.1	0 - 110	7.326	7.365	-0.0390	+/-0.500	
Terphenyl-d14	50.00	111	50 - 135	16.076	16.11	-0.0340	+/-0.500	
2,4,6-Tribromophenol	100.0	80.9	40 - 125	12.673	12.707	-0.0340	+/-0.500	
LCS (1H09009-BS1) ug/L				Lab File ID: H09009L1.D		Analyzed: 08/13/11 22:58		
2-Fluorobiphenyl	50.00	52.8	50 - 110	10.836	10.853	-0.0170	+/-0.500	
2-Fluorophenol	100.0	40.1	20 - 110	6.215	6.237	-0.0220	+/-0.500	
Nitrobenzene-d5	50.00	62.7	40 - 110	8.566	8.583	-0.0170	+/-0.500	
Phenol-d6	100.0	24.4	0 - 110	7.337	7.365	-0.0280	+/-0.500	
Terphenyl-d14	50.00	114	50 - 135	16.088	16.11	-0.0220	+/-0.500	
2,4,6-Tribromophenol	100.0	64.6	40 - 125	12.685	12.707	-0.0220	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23104	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23104-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/17/11 21:48		
2-Fluorobiphenyl	50.00	104	80 - 120	10.795	10.795	0.0000	+/-0.500	
2-Fluorophenol	100.0	95.9	80 - 120	6.185	6.185	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	88.8	80 - 120	8.524	8.524	0.0000	+/-0.500	
Phenol-d6	100.0	102	80 - 120	7.322	7.322	0.0000	+/-0.500	
Terphenyl-d14	50.00	127	80 - 120	16.03	16.03	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	88.4	80 - 120	12.643	12.643	0.0000	+/-0.500	
Blank (1H03008-BLK1) ug/L				Lab File ID: H03008B1.D		Analyzed: 08/17/11 23:50		
2-Fluorobiphenyl	50.00	68.3	50 - 110	10.778	10.795	-0.0170	+/-0.500	
2-Fluorophenol	100.0	35.2	20 - 110	6.173	6.185	-0.0120	+/-0.500	
Nitrobenzene-d5	50.00	75.1	40 - 110	8.507	8.524	-0.0170	+/-0.500	
Phenol-d6	100.0	19.9	0 - 110	7.3	7.322	-0.0220	+/-0.500	
Terphenyl-d14	50.00	126	50 - 135	16.018	16.03	-0.0120	+/-0.500	
2,4,6-Tribromophenol	100.0	93.5	40 - 125	12.626	12.643	-0.0170	+/-0.500	
LCS (1H03008-BS2) ug/L				Lab File ID: H03008L1.D		Analyzed: 08/18/11 01:13		
2-Fluorobiphenyl	50.00	67.5	50 - 110	10.778	10.795	-0.0170	+/-0.500	
2-Fluorophenol	100.0	33.6	20 - 110	6.168	6.185	-0.0170	+/-0.500	
Nitrobenzene-d5	50.00	70.9	40 - 110	8.502	8.524	-0.0220	+/-0.500	
Phenol-d6	100.0	19.6	0 - 110	7.295	7.322	-0.0270	+/-0.500	
Terphenyl-d14	50.00	115	50 - 135	16.008	16.03	-0.0220	+/-0.500	
2,4,6-Tribromophenol	100.0	64.4	40 - 125	12.621	12.643	-0.0220	+/-0.500	
LCS Dup (1H03008-BSD2) ug/L				Lab File ID: H03008L2.D		Analyzed: 08/18/11 01:55		
2-Fluorobiphenyl	50.00	71.6	50 - 110	10.776	10.795	-0.0190	+/-0.500	
2-Fluorophenol	100.0	37.0	20 - 110	6.166	6.185	-0.0190	+/-0.500	
Nitrobenzene-d5	50.00	73.2	40 - 110	8.511	8.524	-0.0130	+/-0.500	
Phenol-d6	100.0	20.5	0 - 110	7.299	7.322	-0.0230	+/-0.500	
Terphenyl-d14	50.00	121	50 - 135	16.012	16.03	-0.0180	+/-0.500	
2,4,6-Tribromophenol	100.0	84.9	40 - 125	12.63	12.643	-0.0130	+/-0.500	
GW0192 (1108019-01) ug/L				Lab File ID: 0801901.D		Analyzed: 08/18/11 08:39		
2-Fluorobiphenyl	48.08	64.8	50 - 110	10.783	10.795	-0.0120	+/-0.500	
2-Fluorophenol	96.15	30.1	20 - 110	6.173	6.185	-0.0120	+/-0.500	
Nitrobenzene-d5	48.08	69.3	40 - 110	8.513	8.524	-0.0110	+/-0.500	
Phenol-d6	96.15	17.1	0 - 110	7.3	7.322	-0.0220	+/-0.500	
Terphenyl-d14	48.08	115	50 - 135	16.018	16.03	-0.0120	+/-0.500	
2,4,6-Tribromophenol	96.15	70.0	40 - 125	12.626	12.643	-0.0170	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23110	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23110-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 08/16/11 11:26		
2-Fluorobiphenyl	50.00	107	80 - 120	10.826	10.826	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	6.211	6.211	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	90.5	80 - 120	8.556	8.556	0.0000	+/-0.500	
Phenol-d6	100.0	98.1	80 - 120	7.349	7.349	0.0000	+/-0.500	
Terphenyl-d14	50.00	116	80 - 120	16.067	16.067	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	94.6	80 - 120	12.675	12.675	0.0000	+/-0.500	
GW0224 (1108056-03) ug/L				Lab File ID: 0805603.D		Analyzed: 08/16/11 18:21		
2-Fluorobiphenyl	50.00	55.3	50 - 110	10.804	10.826	-0.0220	+/-0.500	
2-Fluorophenol	100.0	34.7	20 - 110	6.183	6.211	-0.0280	+/-0.500	
Nitrobenzene-d5	50.00	64.6	40 - 110	8.528	8.556	-0.0280	+/-0.500	
Phenol-d6	100.0	18.1	0 - 110	7.305	7.349	-0.0440	+/-0.500	
Terphenyl-d14	50.00	116	50 - 135	16.045	16.067	-0.0220	+/-0.500	
2,4,6-Tribromophenol	100.0	87.8	40 - 125	12.647	12.675	-0.0280	+/-0.500	
GW0228 (1108056-05) ug/L				Lab File ID: 0805605.D		Analyzed: 08/16/11 19:00		
2-Fluorobiphenyl	50.00	46.6	50 - 110	10.807	10.826	-0.0190	+/-0.500	*
2-Fluorophenol	100.0	33.1	20 - 110	6.186	6.211	-0.0250	+/-0.500	
Nitrobenzene-d5	50.00	59.4	40 - 110	8.531	8.556	-0.0250	+/-0.500	
Phenol-d6	100.0	16.0	0 - 110	7.308	7.349	-0.0410	+/-0.500	
Terphenyl-d14	50.00	115	50 - 135	16.048	16.067	-0.0190	+/-0.500	
2,4,6-Tribromophenol	100.0	82.9	40 - 125	12.65	12.675	-0.0250	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23202	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23202-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 08/18/11 09:50		
2-Fluorobiphenyl	50.00	103	80 - 120	10.784	10.784	0.0000	+/-0.500	
2-Fluorophenol	100.0	96.4	80 - 120	6.174	6.174	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	87.5	80 - 120	8.514	8.514	0.0000	+/-0.500	
Phenol-d6	100.0	98.3	80 - 120	7.306	7.306	0.0000	+/-0.500	
Terphenyl-d14	50.00	123	80 - 120	16.014	16.014	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	88.2	80 - 120	12.632	12.632	0.0000	+/-0.500	
GW0193 (1108019-03) ug/L				Lab File ID: 0801903.D		Analyzed: 08/18/11 11:57		
2-Fluorobiphenyl	49.02	67.4	50 - 110	10.783	10.784	-0.0010	+/-0.500	
2-Fluorophenol	98.04	29.6	20 - 110	6.178	6.174	0.0040	+/-0.500	
Nitrobenzene-d5	49.02	68.5	40 - 110	8.513	8.514	-0.0010	+/-0.500	
Phenol-d6	98.04	16.9	0 - 110	7.3	7.306	-0.0060	+/-0.500	
Terphenyl-d14	49.02	123	50 - 135	16.024	16.014	0.0100	+/-0.500	
2,4,6-Tribromophenol	98.04	84.6	40 - 125	12.631	12.632	-0.0010	+/-0.500	
GW0194 (1108019-05) ug/L				Lab File ID: 0801905.D		Analyzed: 08/18/11 12:41		
2-Fluorobiphenyl	50.00	64.9	50 - 110	10.792	10.784	0.0080	+/-0.500	
2-Fluorophenol	100.0	31.3	20 - 110	6.182	6.174	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	68.9	40 - 110	8.522	8.514	0.0080	+/-0.500	
Phenol-d6	100.0	18.0	0 - 110	7.309	7.306	0.0030	+/-0.500	
Terphenyl-d14	50.00	130	50 - 135	16.027	16.014	0.0130	+/-0.500	
2,4,6-Tribromophenol	100.0	86.9	40 - 125	12.635	12.632	0.0030	+/-0.500	
GW0225 (1108019-07) ug/L				Lab File ID: 0801907.D		Analyzed: 08/18/11 13:26		
2-Fluorobiphenyl	50.00	62.5	50 - 110	10.78	10.784	-0.0040	+/-0.500	
2-Fluorophenol	100.0	33.5	20 - 110	6.17	6.174	-0.0040	+/-0.500	
Nitrobenzene-d5	50.00	67.6	40 - 110	8.51	8.514	-0.0040	+/-0.500	
Phenol-d6	100.0	18.9	0 - 110	7.297	7.306	-0.0090	+/-0.500	
Terphenyl-d14	50.00	127	50 - 135	16.016	16.014	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	86.1	40 - 125	12.629	12.632	-0.0030	+/-0.500	
GW0226 (1108078-01) ug/L				Lab File ID: 0807801.D		Analyzed: 08/18/11 19:01		
2-Fluorobiphenyl	50.00	56.5	50 - 110	10.795	10.784	0.0110	+/-0.500	
2-Fluorophenol	100.0	38.8	20 - 110	6.2	6.174	0.0260	+/-0.500	
Nitrobenzene-d5	50.00	69.6	40 - 110	8.524	8.514	0.0100	+/-0.500	
Phenol-d6	100.0	23.6	0 - 110	7.328	7.306	0.0220	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	16.035	16.014	0.0210	+/-0.500	
2,4,6-Tribromophenol	100.0	78.8	40 - 125	12.643	12.632	0.0110	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23409	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23409-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 08/20/11 04:30		
2-Fluorobiphenyl	50.00	104	80 - 120	10.76	10.76	0.0000	+/-0.500	
2-Fluorophenol	100.0	102	80 - 120	6.155	6.155	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	90.4	80 - 120	8.489	8.489	0.0000	+/-0.500	
Phenol-d6	100.0	96.4	80 - 120	7.293	7.293	0.0000	+/-0.500	
Terphenyl-d14	50.00	111	80 - 120	15.984	15.984	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	91.5	80 - 120	12.608	12.608	0.0000	+/-0.500	
GW0222 (1108046-09) ug/L				Lab File ID: 0804609.D		Analyzed: 08/20/11 13:18		
2-Fluorobiphenyl	50.00	62.0	50 - 110	10.756	10.76	-0.0040	+/-0.500	
2-Fluorophenol	100.0	34.0	20 - 110	6.141	6.155	-0.0140	+/-0.500	
Nitrobenzene-d5	50.00	66.2	40 - 110	8.48	8.489	-0.0090	+/-0.500	
Phenol-d6	100.0	17.6	0 - 110	7.268	7.293	-0.0250	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	15.981	15.984	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	78.9	40 - 125	12.599	12.608	-0.0090	+/-0.500	
GW0223 (1108046-11) ug/L				Lab File ID: 0804611.D		Analyzed: 08/20/11 13:57		
2-Fluorobiphenyl	48.08	63.6	50 - 110	10.745	10.76	-0.0150	+/-0.500	
2-Fluorophenol	96.15	28.9	20 - 110	6.134	6.155	-0.0210	+/-0.500	
Nitrobenzene-d5	48.08	64.5	40 - 110	8.469	8.489	-0.0200	+/-0.500	
Phenol-d6	96.15	15.5	0 - 110	7.262	7.293	-0.0310	+/-0.500	
Terphenyl-d14	48.08	102	50 - 135	15.969	15.984	-0.0150	+/-0.500	
2,4,6-Tribromophenol	96.15	81.6	40 - 125	12.588	12.608	-0.0200	+/-0.500	
GW8022-RB (1108046-13) ug/L				Lab File ID: 0804613.D		Analyzed: 08/20/11 14:37		
2-Fluorobiphenyl	48.08	63.3	50 - 110	10.749	10.76	-0.0110	+/-0.500	
2-Fluorophenol	96.15	30.4	20 - 110	6.134	6.155	-0.0210	+/-0.500	
Nitrobenzene-d5	48.08	68.3	40 - 110	8.474	8.489	-0.0150	+/-0.500	
Phenol-d6	96.15	16.3	0 - 110	7.261	7.293	-0.0320	+/-0.500	
Terphenyl-d14	48.08	97.1	50 - 135	15.974	15.984	-0.0100	+/-0.500	
2,4,6-Tribromophenol	96.15	53.7	40 - 125	12.593	12.608	-0.0150	+/-0.500	
GW0227 (1108078-03) ug/L				Lab File ID: 0807803.D		Analyzed: 08/20/11 15:16		
2-Fluorobiphenyl	49.02	49.8	50 - 110	10.752	10.76	-0.0080	+/-0.500	*
2-Fluorophenol	98.04	37.9	20 - 110	6.185	6.155	0.0300	+/-0.500	
Nitrobenzene-d5	49.02	70.7	40 - 110	8.482	8.489	-0.0070	+/-0.500	
Phenol-d6	98.04	21.4	0 - 110	7.296	7.293	0.0030	+/-0.500	
Terphenyl-d14	49.02	88.4	50 - 135	15.977	15.984	-0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	73.6	40 - 125	12.601	12.608	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23536	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23536-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/22/11 17:02		
2-Fluorobiphenyl	50.00	107	80 - 120	10.675	10.675	0.0000	+/-0.500	
2-Fluorophenol	100.0	100	80 - 120	6.059	6.059	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	90.3	80 - 120	8.405	8.405	0.0000	+/-0.500	
Phenol-d6	100.0	95.9	80 - 120	7.197	7.197	0.0000	+/-0.500	
Terphenyl-d14	50.00	109	80 - 120	15.873	15.873	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	91.0	80 - 120	12.518	12.518	0.0000	+/-0.500	
Blank (1H10018-BLK1) ug/L				Lab File ID: H10018B1.D		Analyzed: 08/22/11 21:44		
2-Fluorobiphenyl	50.00	66.5	50 - 110	10.659	10.675	-0.0160	+/-0.500	
2-Fluorophenol	100.0	35.6	20 - 110	6.044	6.059	-0.0150	+/-0.500	
Nitrobenzene-d5	50.00	71.3	40 - 110	8.389	8.405	-0.0160	+/-0.500	
Phenol-d6	100.0	21.5	0 - 110	7.171	7.197	-0.0260	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	15.862	15.873	-0.0110	+/-0.500	
2,4,6-Tribromophenol	100.0	78.7	40 - 125	12.502	12.518	-0.0160	+/-0.500	
LCS (1H10018-BS1) ug/L				Lab File ID: H10018L1.D		Analyzed: 08/22/11 22:24		
2-Fluorobiphenyl	50.00	71.4	50 - 110	10.675	10.675	0.0000	+/-0.500	
2-Fluorophenol	100.0	40.7	20 - 110	6.059	6.059	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	73.6	40 - 110	8.404	8.405	-0.0010	+/-0.500	
Phenol-d6	100.0	24.1	0 - 110	7.192	7.197	-0.0050	+/-0.500	
Terphenyl-d14	50.00	110	50 - 135	15.873	15.873	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	71.2	40 - 125	12.518	12.518	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23537	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23537-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 08/23/11 04:56		
2-Fluorobiphenyl	50.00	105	80 - 120	10.667	10.667	0.0000	+/-0.500	
2-Fluorophenol	100.0	95.6	80 - 120	6.052	6.052	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	90.1	80 - 120	8.397	8.397	0.0000	+/-0.500	
Phenol-d6	100.0	96.9	80 - 120	7.195	7.195	0.0000	+/-0.500	
Terphenyl-d14	50.00	112	80 - 120	15.865	15.865	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	90.7	80 - 120	12.51	12.51	0.0000	+/-0.500	
GW0245 (1108097-01) ug/L				Lab File ID: 0809701.D		Analyzed: 08/23/11 07:33		
2-Fluorobiphenyl	48.08	65.9	50 - 110	10.671	10.667	0.0040	+/-0.500	
2-Fluorophenol	96.15	23.3	20 - 110	6.055	6.052	0.0030	+/-0.500	
Nitrobenzene-d5	48.08	62.4	40 - 110	8.4	8.397	0.0030	+/-0.500	
Phenol-d6	96.15	15.6	0 - 110	7.182	7.195	-0.0130	+/-0.500	
Terphenyl-d14	48.08	89.9	50 - 135	15.874	15.865	0.0090	+/-0.500	
2,4,6-Tribromophenol	96.15	42.9	40 - 125	12.508	12.51	-0.0020	+/-0.500	
GW0246 (1108097-03) ug/L				Lab File ID: 0809703.D		Analyzed: 08/23/11 08:15		
2-Fluorobiphenyl	50.00	75.0	50 - 110	10.664	10.667	-0.0030	+/-0.500	
2-Fluorophenol	100.0	37.0	20 - 110	6.049	6.052	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	74.2	40 - 110	8.394	8.397	-0.0030	+/-0.500	
Phenol-d6	100.0	21.4	0 - 110	7.176	7.195	-0.0190	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	15.868	15.865	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	89.1	40 - 125	12.507	12.51	-0.0030	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03008	Laboratory ID:	1H03008-BS2
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	41.16	82.3	45 - 110
Acenaphthylene	50.00	39.12	78.2	50 - 105
Acetophenone	50.00	41.35	82.7	50 - 110
Anthracene	50.00	47.48	95.0	55 - 110
Atrazine	50.00	43.47	86.9	70 - 115
Benzaldehyde	50.00	41.46	82.9	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	49.56	99.1	55 - 110
Benzo(a)pyrene	50.00	47.67	95.3	55 - 110
Benzo(b)fluoranthene	50.00	50.87	102	45 - 120
Benzo(g,h,i)perylene	50.00	48.64	97.3	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	50.59	101	45 - 125
1,1-Biphenyl	50.00	44.64	89.3	50 - 110
4-Bromophenyl-phenylether	50.00	42.31	84.6	50 - 115
Butylbenzylphthalate	**50.00**	**67.90**	**136**	**45 - 115**
Caprolactam	**50.00**	**7.684**	**15.4**	**20 - 110**
Carbazole	50.00	48.11	96.2	50 - 115
4-Chloro-3-methylphenol	50.00	28.07	56.1	45 - 110
4-Chloroaniline	50.00	32.44	64.9	15 - 110
Bis(2-chloroethoxy)methane	50.00	41.88	83.8	45 - 105
Bis(2-chloroethyl)ether	50.00	39.96	79.9	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	49.34	98.7	25 - 130
2-Chloronaphthalene	50.00	40.09	80.2	50 - 105
2-Chlorophenol	50.00	26.07	52.1	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.31	88.6	50 - 110
Chrysene	50.00	49.91	99.8	55 - 110
Dibenz(a,h)anthracene	50.00	48.46	96.9	40 - 125
Dibenzofuran	50.00	45.33	90.7	55 - 105
Di-n-butylphthalate	50.00	54.26	109	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03008	Laboratory ID:	1H03008-BS2
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	33.88	67.8	20 - 110
2,4-Dichlorophenol	50.00	28.50	57.0	40 - 110
Diethylphthalate	50.00	50.33	101	40 - 120
2,4-Dimethylphenol	50.00	25.24	50.5	30 - 110
Dimethyl phthalate	50.00	42.93	85.9	25 - 125
4,6-Dinitro-2-methylphenol	50.00	36.87	73.7	40 - 130
2,4-Dinitrophenol	50.00	29.85	59.7	15 - 140
2,4-Dinitrotoluene	50.00	47.67	95.3	50 - 120
2,6-Dinitrotoluene	50.00	45.97	91.9	50 - 115
Di-n-octylphthalate	**50.00**	**70.39**	**141**	**35 - 135**
1,2-Diphenylhydrazine	50.00	40.20	80.4	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**71.84**	**144**	**40 - 125**
Fluoranthene	50.00	44.86	89.7	55 - 115
Fluorene	50.00	43.51	87.0	50 - 110
Hexachlorobenzene	50.00	40.61	81.2	50 - 110
Hexachlorobutadiene	50.00	16.76	33.5	25 - 105
Hexachlorocyclopentadiene	50.00	12.65	25.3	10 - 110
Hexachloroethane	50.00	15.11	30.2	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	49.61	99.2	45 - 125
Isophorone	50.00	37.73	75.5	50 - 110
1-Methylnaphthalene	50.00	34.64	69.3	30 - 115
2-Methylnaphthalene	50.00	34.30	68.6	45 - 105
2-Methylphenol	50.00	22.40	44.8	40 - 110
3-Methylphenol/4-Methylphenol	50.00	21.42	42.8	30 - 110
4-Nitroaniline	50.00	42.33	84.7	35 - 120
3-Nitroaniline	50.00	36.53	73.1	20 - 125
2-Nitroaniline	50.00	40.54	81.1	50 - 115
Nitrobenzene	50.00	35.61	71.2	30 - 110
4-Nitrophenol	50.00	9.310	18.6	0 - 125
2-Nitrophenol	50.00	31.52	63.0	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03008	Laboratory ID:	1H03008-BS2
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	39.82	79.6	50 - 110
N-Nitroso-di-n-propylamine	50.00	39.37	78.7	35 - 130
Pentachlorophenol	50.00	36.44	72.9	40 - 115
Phenanthrene	50.00	48.04	96.1	50 - 115
Phenol	50.00	9.490	19.0	0 - 115
Pyrene	50.00	56.07	112	50 - 130
2,4,6-Trichlorophenol	50.00	30.64	61.3	50 - 115
2,4,5-Trichlorophenol	50.00	29.63	59.3	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	40.95	81.9	0.509	30	45 - 110
Acenaphthylene	50.00	38.57	77.1	1.40	30	50 - 105
Acetophenone	50.00	44.59	89.2	7.54	30	50 - 110
Anthracene	50.00	45.60	91.2	4.04	30	55 - 110
Atrazine	50.00	44.43	88.9	2.18	30	70 - 115
Benzaldehyde	50.00	42.61	85.2	2.73	30	10 - 180
Benzidine	50.00	15.24	30.5		30	0 - 200
Benzo(a)anthracene	50.00	49.29	98.6	0.538	30	55 - 110
Benzo(a)pyrene	50.00	46.86	93.7	1.72	30	55 - 110
Benzo(b)fluoranthene	50.00	52.75	105	3.62	30	45 - 120
Benzo(g,h,i)perylene	50.00	48.24	96.5	0.830	30	40 - 125
Benzoic acid	50.00	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	50.00	45.22	90.4	11.2	30	45 - 125
1,1-Biphenyl	50.00	44.22	88.4	0.945	30	50 - 110
4-Bromophenyl-phenylether	50.00	42.35	84.7	0.109	30	50 - 115
Butylbenzylphthalate	**50.00**	**68.57**	**137 ***	**0.973**	**30**	**45 - 115**
Caprolactam	**50.00**	**7.721**	**15.4 ***	**0.480**	**30**	**20 - 110**
Carbazole	50.00	46.79	93.6	2.78	30	50 - 115
4-Chloro-3-methylphenol	50.00	33.81	67.6	18.6	30	45 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03008	Laboratory ID:	1H03008-BSD2
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-Chloroaniline	50.00	42.55	85.1	27.0	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	42.97	85.9	2.58	30	45 - 105
Bis(2-chloroethyl)ether	50.00	42.75	85.5	6.75	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	49.56	99.1	0.443	30	25 - 130
2-Chloronaphthalene	50.00	39.81	79.6	0.690	30	50 - 105
2-Chlorophenol	50.00	32.00	64.0	20.4	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	43.16	86.3	2.62	30	50 - 110
Chrysene	50.00	48.96	97.9	1.92	30	55 - 110
Dibenz(a,h)anthracene	50.00	49.73	99.5	2.59	30	40 - 125
Dibenzofuran	50.00	44.43	88.9	2.01	30	55 - 105
Di-n-butylphthalate	50.00	51.95	104	4.36	30	55 - 115
3,3'-Dichlorobenzidine	50.00	38.26	76.5	12.2	30	20 - 110
2,4-Dichlorophenol	50.00	34.10	68.2	17.9	30	40 - 110
Diethylphthalate	50.00	49.60	99.2	1.46	30	40 - 120
2,4-Dimethylphenol	50.00	29.03	58.1	14.0	30	30 - 110
Dimethyl phthalate	50.00	47.65	95.3	10.4	30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	49.01	98.0	28.3	30	40 - 130
2,4-Dinitrophenol	50.00	43.57	87.1	37.4 *	30	15 - 140
2,4-Dinitrotoluene	50.00	47.54	95.1	0.279	30	50 - 120
2,6-Dinitrotoluene	50.00	46.41	92.8	0.962	30	50 - 115
Di-n-octylphthalate	**50.00**	**68.29**	**137 ***	**3.03**	**30**	**35 - 135**
1,2-Diphenylhydrazine	50.00	39.66	79.3	1.35	30	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**71.60**	**143 ***	**0.331**	**30**	**40 - 125**
Fluoranthene	50.00	43.34	86.7	3.46	30	55 - 115
Fluorene	50.00	42.28	84.6	2.86	30	50 - 110
Hexachlorobenzene	50.00	39.45	78.9	2.91	30	50 - 110
Hexachlorobutadiene	50.00	19.40	38.8	14.6	30	25 - 105
Hexachlorocyclopentadiene	50.00	17.35	34.7	31.4 *	30	10 - 110
Hexachloroethane	50.00	18.14	36.3	18.2	30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	52.95	106	6.51	30	45 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03008	Laboratory ID:	1H03008-BSD2
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.
Isophorone	50.00	38.48	77.0	1.97	30	50 - 110
1-Methylnaphthalene	50.00	35.61	71.2	2.77	30	30 - 115
2-Methylnaphthalene	50.00	35.65	71.3	3.86	30	45 - 105
2-Methylphenol	50.00	27.05	54.1	18.8	30	40 - 110
3-Methylphenol/4-Methylphenol	50.00	24.52	49.0	13.5	30	30 - 110
4-Nitroaniline	50.00	47.65	95.3	11.8	30	35 - 120
3-Nitroaniline	50.00	44.13	88.3	18.8	30	20 - 125
2-Nitroaniline	50.00	42.65	85.3	5.07	30	50 - 115
Nitrobenzene	50.00	35.74	71.5	0.373	30	30 - 110
4-Nitrophenol	50.00	10.51	21.0	12.1	30	0 - 125
2-Nitrophenol	50.00	38.26	76.5	19.3	30	40 - 115
N-Nitrosodiphenylamine	50.00	38.94	77.9	2.23	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.60	83.2	5.52	30	35 - 130
Pentachlorophenol	50.00	44.38	88.8	19.6	30	40 - 115
Phenanthrene	50.00	46.53	93.1	3.21	30	50 - 115
Phenol	50.00	10.08	20.2	6.05	30	0 - 115
Pyrene	50.00	55.73	111	0.598	30	50 - 130
2,4,6-Trichlorophenol	50.00	39.04	78.1	24.1	30	50 - 115
2,4,5-Trichlorophenol	50.00	37.57	75.1	23.6	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09009	Laboratory ID:	1H09009-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	40.56	81.1	45 - 110
Acenaphthylene	50.00	38.62	77.2	50 - 105
Acetophenone	50.00	43.94	87.9	50 - 110
Anthracene	50.00	45.21	90.4	55 - 110
Atrazine	50.00	38.50	77.0	70 - 115
Benzaldehyde	50.00	44.80	89.6	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	48.79	97.6	55 - 110
Benzo(a)pyrene	50.00	45.49	91.0	55 - 110
Benzo(b)fluoranthene	50.00	48.02	96.0	45 - 120
Benzo(g,h,i)perylene	50.00	51.76	104	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	45.38	90.8	45 - 125
1,1-Biphenyl	50.00	42.19	84.4	50 - 110
4-Bromophenyl-phenylether	50.00	42.38	84.8	50 - 115
Butylbenzylphthalate	**50.00**	**74.89**	**150**	**45 - 115**
Caprolactam	**50.00**	**8.437**	**16.9**	**20 - 110**
Carbazole	50.00	46.71	93.4	50 - 115
4-Chloro-3-methylphenol	50.00	31.73	63.5	45 - 110
4-Chloroaniline	50.00	24.12	48.2	15 - 110
Bis(2-chloroethoxy)methane	50.00	40.87	81.7	45 - 105
Bis(2-chloroethyl)ether	50.00	41.88	83.8	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	51.19	102	25 - 130
2-Chloronaphthalene	50.00	39.92	79.8	50 - 105
2-Chlorophenol	50.00	31.35	62.7	35 - 105
4-Chlorophenyl phenyl ether	50.00	42.39	84.8	50 - 110
Chrysene	50.00	48.77	97.5	55 - 110
Dibenz(a,h)anthracene	50.00	51.24	102	40 - 125
Dibenzofuran	50.00	44.91	89.8	55 - 105
Di-n-butylphthalate	50.00	52.13	104	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09009	Laboratory ID:	1H09009-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	35.47	70.9	20 - 110
2,4-Dichlorophenol	50.00	32.17	64.3	40 - 110
Diethylphthalate	50.00	46.77	93.5	40 - 120
2,4-Dimethylphenol	50.00	26.99	54.0	30 - 110
Dimethyl phthalate	50.00	43.18	86.4	25 - 125
4,6-Dinitro-2-methylphenol	50.00	41.17	82.3	40 - 130
2,4-Dinitrophenol	50.00	37.76	75.5	15 - 140
2,4-Dinitrotoluene	50.00	46.53	93.1	50 - 120
2,6-Dinitrotoluene	50.00	44.58	89.2	50 - 115
Di-n-octylphthalate	**50.00**	**69.67**	**139**	**35 - 135**
1,2-Diphenylhydrazine	50.00	39.25	78.5	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**77.70**	**155**	**40 - 125**
Fluoranthene	50.00	41.32	82.6	55 - 115
Fluorene	50.00	42.64	85.3	50 - 110
Hexachlorobenzene	50.00	40.74	81.5	50 - 110
Hexachlorobutadiene	50.00	18.32	36.6	25 - 105
Hexachlorocyclopentadiene	50.00	18.43	36.9	10 - 110
Hexachloroethane	50.00	18.65	37.3	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	52.99	106	45 - 125
Isophorone	50.00	36.63	73.3	50 - 110
1-Methylnaphthalene	50.00	37.03	74.1	30 - 115
2-Methylnaphthalene	50.00	36.82	73.6	45 - 105
2-Methylphenol	50.00	28.23	56.5	40 - 110
3-Methylphenol/4-Methylphenol	50.00	26.65	53.3	30 - 110
4-Nitroaniline	50.00	40.52	81.0	35 - 120
3-Nitroaniline	50.00	32.22	64.4	20 - 125
2-Nitroaniline	50.00	36.21	72.4	50 - 115
Nitrobenzene	50.00	33.29	66.6	30 - 110
4-Nitrophenol	50.00	10.61	21.2	0 - 125
2-Nitrophenol	50.00	35.11	70.2	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09009	Laboratory ID:	1H09009-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	39.73	79.5	50 - 110
N-Nitroso-di-n-propylamine	50.00	40.59	81.2	35 - 130
Pentachlorophenol	50.00	41.89	83.8	40 - 115
Phenanthrene	50.00	45.71	91.4	50 - 115
Phenol	50.00	12.21	24.4	0 - 115
Pyrene	50.00	59.91	120	50 - 130
2,4,6-Trichlorophenol	50.00	30.78	61.6	50 - 115
2,4,5-Trichlorophenol	50.00	31.18	62.4	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10018	Laboratory ID:	1H10018-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	45.58	91.2	45 - 110
Acenaphthylene	50.00	42.89	85.8	50 - 105
Acetophenone	50.00	43.30	86.6	50 - 110
Anthracene	50.00	48.43	96.9	55 - 110
Atrazine	50.00	42.47	84.9	70 - 115
Benzaldehyde	50.00	43.80	87.6	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	51.70	103	55 - 110
Benzo(a)pyrene	50.00	49.63	99.3	55 - 110
Benzo(b)fluoranthene	50.00	53.16	106	45 - 120
Benzo(g,h,i)perylene	50.00	47.83	95.7	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	51.55	103	45 - 125
1,1-Biphenyl	50.00	46.88	93.8	50 - 110
4-Bromophenyl-phenylether	50.00	45.53	91.1	50 - 115
Butylbenzylphthalate	**50.00**	**67.45**	**135**	**45 - 115**
Caprolactam	**50.00**	**6.548**	**13.1**	**20 - 110**
Carbazole	50.00	47.48	95.0	50 - 115
4-Chloro-3-methylphenol	50.00	28.83	57.7	45 - 110
4-Chloroaniline	50.00	29.25	58.5	15 - 110
Bis(2-chloroethoxy)methane	50.00	42.85	85.7	45 - 105
Bis(2-chloroethyl)ether	50.00	41.83	83.7	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	49.76	99.5	25 - 130
2-Chloronaphthalene	50.00	45.28	90.6	50 - 105
2-Chlorophenol	50.00	29.60	59.2	35 - 105
4-Chlorophenyl phenyl ether	50.00	47.05	94.1	50 - 110
Chrysene	50.00	51.42	103	55 - 110
Dibenz(a,h)anthracene	50.00	48.89	97.8	40 - 125
Dibenzofuran	50.00	48.98	98.0	55 - 105
Di-n-butylphthalate	50.00	53.66	107	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10018	Laboratory ID:	1H10018-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	39.44	78.9	20 - 110
2,4-Dichlorophenol	50.00	30.73	61.5	40 - 110
Diethylphthalate	50.00	50.26	101	40 - 120
2,4-Dimethylphenol	50.00	26.59	53.2	30 - 110
Dimethyl phthalate	50.00	45.50	91.0	25 - 125
4,6-Dinitro-2-methylphenol	50.00	42.09	84.2	40 - 130
2,4-Dinitrophenol	50.00	35.47	70.9	15 - 140
2,4-Dinitrotoluene	50.00	48.27	96.5	50 - 120
2,6-Dinitrotoluene	50.00	47.49	95.0	50 - 115
Di-n-octylphthalate	50.00	66.65	133	35 - 135
1,2-Diphenylhydrazine	50.00	42.32	84.6	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**69.94**	**140**	**40 - 125**
Fluoranthene	50.00	45.81	91.6	55 - 115
Fluorene	50.00	46.13	92.3	50 - 110
Hexachlorobenzene	50.00	43.37	86.7	50 - 110
Hexachlorobutadiene	50.00	23.50	47.0	25 - 105
Hexachlorocyclopentadiene	50.00	24.25	48.5	10 - 110
Hexachloroethane	50.00	20.28	40.6	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	50.31	101	45 - 125
Isophorone	50.00	38.42	76.8	50 - 110
1-Methylnaphthalene	50.00	39.70	79.4	30 - 115
2-Methylnaphthalene	50.00	39.93	79.9	45 - 105
2-Methylphenol	50.00	25.38	50.8	40 - 110
3-Methylphenol/4-Methylphenol	50.00	23.74	47.5	30 - 110
4-Nitroaniline	50.00	41.08	82.2	35 - 120
3-Nitroaniline	50.00	34.05	68.1	20 - 125
2-Nitroaniline	50.00	40.70	81.4	50 - 115
Nitrobenzene	50.00	37.79	75.6	30 - 110
4-Nitrophenol	50.00	10.57	21.1	0 - 125
2-Nitrophenol	50.00	34.38	68.8	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10018	Laboratory ID:	1H10018-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	40.43	80.9	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.05	82.1	35 - 130
Pentachlorophenol	50.00	40.54	81.1	40 - 115
Phenanthrene	50.00	49.41	98.8	50 - 115
Phenol	50.00	12.04	24.1	0 - 115
Pyrene	50.00	56.86	114	50 - 130
2,4,6-Trichlorophenol	50.00	33.54	67.1	50 - 115
2,4,5-Trichlorophenol	50.00	32.55	65.1	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H03008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/04/11 15:39	1,040.00	1.00
GW0193	1108019-03	08/04/11 15:39	1,020.00	1.00
GW0194	1108019-05	08/04/11 15:39	1,000.00	1.00
GW0225	1108019-07	08/04/11 15:39	1,000.00	1.00
GW0222	1108046-09	08/04/11 15:39	1,000.00	1.00
GW0223	1108046-11	08/04/11 15:39	1,040.00	1.00
GW8022-RB	1108046-13	08/04/11 15:39	1,040.00	1.00
Blank	1H03008-BLK1	08/04/11 15:39	1,000.00	1.00
LCS	1H03008-BS2	08/04/11 15:39	1,000.00	1.00
LCS Dup	1H03008-BSD2	08/04/11 15:39	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H09009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/09/11 12:57	1,000.00	1.00
GW0228	1108056-05	08/09/11 12:57	1,000.00	1.00
GW0226	1108078-01	08/09/11 12:57	1,000.00	1.00
GW0227	1108078-03	08/09/11 12:57	1,020.00	1.00
Blank	1H09009-BLK1	08/09/11 12:57	1,000.00	1.00
LCS	1H09009-BS1	08/09/11 12:57	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H10018 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0245	1108097-01	08/11/11 11:15	1,040.00	1.00
GW0246	1108097-03	08/11/11 11:15	1,000.00	1.00
Blank	1H10018-BLK1	08/11/11 11:55	1,000.00	1.00
LCS	1H10018-BS1	08/11/11 11:55	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/29/11
Instrument ID:	MS-BNA3	Injection Time:	17:21
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	52.7	PASS
70	Less than 2% of 69	0.492	PASS
127	40 - 60% of 198	54.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.87	PASS
275	10 - 30% of 198	22	PASS
365	1 - 200% of 198	2.1	PASS
441	0.001 - 100% of 443	77.8	PASS
442	40 - 200% of 198	47.4	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/30/11
Instrument ID:	MS-BNA3	Injection Time:	14:42
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	55.8	PASS
70	Less than 2% of 69	0.42	PASS
127	40 - 60% of 198	56.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.25	PASS
275	10 - 30% of 198	22.9	PASS
365	1 - 200% of 198	2.34	PASS
441	0.001 - 100% of 443	74.4	PASS
442	40 - 200% of 198	46.4	PASS
443	17 - 23% of 442	20.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/02/11
Instrument ID:	MS-BNA3	Injection Time:	13:51
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN3

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	58.2	PASS
70	Less than 2% of 69	0.51	PASS
127	40 - 60% of 198	56.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.39	PASS
275	10 - 30% of 198	21.4	PASS
365	1 - 200% of 198	2.24	PASS
441	0.001 - 100% of 443	72.1	PASS
442	40 - 200% of 198	46.9	PASS
443	17 - 23% of 442	21.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/13/11
Instrument ID:	MS-BNA3	Injection Time:	19:10
Sequence:	1H22707	Lab Sample ID:	1H22707-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	54.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.6	PASS
70	Less than 2% of 69	0.711	PASS
127	40 - 60% of 198	57.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.88	PASS
275	10 - 30% of 198	20.2	PASS
365	1 - 200% of 198	1.57	PASS
441	0.001 - 100% of 443	75.5	PASS
442	40 - 200% of 198	53.3	PASS
443	17 - 23% of 442	21	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/17/11
Instrument ID:	MS-BNA3	Injection Time:	21:20
Sequence:	1H23104	Lab Sample ID:	1H23104-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	57.6	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	49.7	PASS
70	Less than 2% of 69	0.388	PASS
127	40 - 60% of 198	55.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.22	PASS
275	10 - 30% of 198	20.6	PASS
365	1 - 200% of 198	1.5	PASS
441	0.001 - 100% of 443	70.4	PASS
442	40 - 200% of 198	52.2	PASS
443	17 - 23% of 442	21.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	08/16/11
Instrument ID:	MS-BNA3	Injection Time:	10:56
Sequence:	1H23110	Lab Sample ID:	1H23110-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	51.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	46.7	PASS
70	Less than 2% of 69	0.386	PASS
127	40 - 60% of 198	55.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.8	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	1.86	PASS
441	0.001 - 100% of 443	68.7	PASS
442	40 - 200% of 198	65.7	PASS
443	17 - 23% of 442	20.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	08/18/11
Instrument ID:	MS-BNA3	Injection Time:	09:20
Sequence:	1H23202	Lab Sample ID:	1H23202-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	45.4	PASS
70	Less than 2% of 69	0.488	PASS
127	40 - 60% of 198	51.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.57	PASS
275	10 - 30% of 198	21.5	PASS
365	1 - 200% of 198	2.01	PASS
441	0.001 - 100% of 443	83.6	PASS
442	40 - 200% of 198	67.7	PASS
443	17 - 23% of 442	17.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	08/20/11
Instrument ID:	MS-BNA3	Injection Time:	04:02
Sequence:	1H23409	Lab Sample ID:	1H23409-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	56.8	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.6	PASS
70	Less than 2% of 69	0	PASS
127	40 - 60% of 198	55.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.32	PASS
275	10 - 30% of 198	19.7	PASS
365	1 - 200% of 198	2.04	PASS
441	0.001 - 100% of 443	75.3	PASS
442	40 - 200% of 198	58.2	PASS
443	17 - 23% of 442	18.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/22/11
Instrument ID:	MS-BNA3	Injection Time:	16:29
Sequence:	1H23536	Lab Sample ID:	1H23536-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	54.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51	PASS
70	Less than 2% of 69	0.651	PASS
127	40 - 60% of 198	56.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.6	PASS
275	10 - 30% of 198	20.6	PASS
365	1 - 200% of 198	1.38	PASS
441	0.001 - 100% of 443	66.8	PASS
442	40 - 200% of 198	48.4	PASS
443	17 - 23% of 442	21.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	08/23/11
Instrument ID:	MS-BNA3	Injection Time:	04:28
Sequence:	1H23537	Lab Sample ID:	1H23537-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.2	PASS
68	Less than 2% of 69	1.95	PASS
69	Less than 200% of 198	49.5	PASS
70	Less than 2% of 69	0.461	PASS
127	40 - 60% of 198	53.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.49	PASS
275	10 - 30% of 198	20.5	PASS
365	1 - 200% of 198	1.69	PASS
441	0.001 - 100% of 443	73.6	PASS
442	40 - 200% of 198	58.3	PASS
443	17 - 23% of 442	18.8	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12203	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E12203-TUN1	SEQ-TUN1.D	04/29/11 17:21
Cal Standard	1E12203-CAL1	SEQ-CAL1.D	04/29/11 17:45
Cal Standard	1E12203-CAL2	SEQ-CAL2.D	04/29/11 18:19
Cal Standard	1E12203-CAL3	SEQ-CAL3.D	04/29/11 18:52
Cal Standard	1E12203-CAL4	SEQ-CAL4.D	04/29/11 19:25
Cal Standard	1E12203-CAL5	SEQ-CAL5.D	04/29/11 19:58
Cal Standard	1E12203-CAL6	SEQ-CAL6.D	04/29/11 20:31
Cal Standard	1E12203-CAL7	SEQ-CAL7.D	04/29/11 21:04
Cal Standard	1E12203-CAL8	SEQ-CAL8.D	04/29/11 21:37
Cal Standard	1E12203-CAL9	SEQ-CAL9.D	04/29/11 22:09
Cal Standard	1E12203-CALA	SEQ-CALA.D	04/29/11 22:42
Cal Standard	1E12203-CALB	SEQ-CALB.D	04/29/11 23:15
Cal Standard	1E12203-CALC	SEQ-CALC.D	04/29/11 23:47
Cal Standard	1E12203-CALD	SEQ-CALD.D	04/30/11 00:20
Cal Standard	1E12203-CALE	SEQ-CALE.D	04/30/11 00:53
Cal Standard	1E12203-CALF	SEQ-CALF.D	04/30/11 01:25
Cal Standard	1E12203-CALG	SEQ-CALG.D	04/30/11 01:58
MS Tune	1E12203-TUN2	SEQ-TUN1.D	04/30/11 14:42
Initial Cal Check	1E12203-ICV1	SEQ-ICV1.D	04/30/11 15:07
Initial Cal Check	1E12203-ICV2	SEQ-ICV2.D	04/30/11 15:40
Initial Cal Check	1E12203-ICV3	SEQ-ICV5.D	04/30/11 17:19
MS Tune	1E12203-TUN3	SEQ-TUN1.D	05/02/11 13:51
Initial Cal Check	1E12203-ICV4	SEQ-ICV4.D	05/02/11 14:16

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22707	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22707-TUN1	SEQ-TUN1.D	08/13/11 19:10
Calibration Check	1H22707-CCV1	SEQ-CCV1.D	08/13/11 19:38
Calibration Check	1H22707-CCV2	SEQ-CCV2.D	08/13/11 20:18
Blank	1H09009-BLK1	H09009B1.D	08/13/11 21:37
LCS	1H09009-BS1	H09009L1.D	08/13/11 22:58

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23104	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H23104-TUN1	SEQ-TUN1.D	08/17/11 21:20
Calibration Check	1H23104-CCV1	SEQ-CCV1.D	08/17/11 21:48
Blank	1H03008-BLK1	H03008B1.D	08/17/11 23:50
LCS	1H03008-BS2	H03008L1.D	08/18/11 01:13
LCS Dup	1H03008-BSD2	H03008L2.D	08/18/11 01:55
GW0192	1108019-01	0801901.D	08/18/11 08:39

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23110	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H23110-TUN1	SEQ-TUN2.D	08/16/11 10:56
Calibration Check	1H23110-CCV1	SEQ-CCV3.D	08/16/11 11:26
Calibration Check	1H23110-CCV2	SEQ-CCV4.D	08/16/11 12:07
GW0224	1108056-03	0805603.D	08/16/11 18:21
GW0228	1108056-05	0805605.D	08/16/11 19:00

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23202	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H23202-TUN1	SEQ-TUN2.D	08/18/11 09:20
Calibration Check	1H23202-CCV1	SEQ-CCV3.D	08/18/11 09:50
GW0193	1108019-03	0801903.D	08/18/11 11:57
GW0194	1108019-05	0801905.D	08/18/11 12:41
GW0225	1108019-07	0801907.D	08/18/11 13:26
GW0226	1108078-01	0807801.D	08/18/11 19:01

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23409	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H23409-TUN1	SEQ-TUN2.D	08/20/11 04:02
Calibration Check	1H23409-CCV1	SEQ-CCV3.D	08/20/11 04:30
GW0222	1108046-09	0804609.D	08/20/11 13:18
GW0223	1108046-11	0804611.D	08/20/11 13:57
GW8022-RB	1108046-13	0804613.D	08/20/11 14:37
GW0227	1108078-03	0807803.D	08/20/11 15:16

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23536	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H23536-TUN1	SEQ-TUN1.D	08/22/11 16:29
Calibration Check	1H23536-CCV1	SEQ-CCV1.D	08/22/11 17:02
Calibration Check	1H23536-CCV2	SEQ-CCV2.D	08/22/11 17:43
Blank	1H10018-BLK1	H10018B1.D	08/22/11 21:44
LCS	1H10018-BS1	H10018L1.D	08/22/11 22:24

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23537	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H23537-TUN1	SEQ-TUN2.D	08/23/11 04:28
Calibration Check	1H23537-CCV1	SEQ-CCV3.D	08/23/11 04:56
Calibration Check	1H23537-CCV2	SEQ-CCV4.D	08/23/11 05:35
GW0245	1108097-01	0809701.D	08/23/11 07:33
GW0246	1108097-03	0809703.D	08/23/11 08:15

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22707	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22707-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/13/11 19:38			
1,4-Dichlorobenzene-d4	542595	7.877	473419	6.389	115	50 - 200	1.4880	+/-0.50	
Naphthalene-d8	2238820	9.507	1697246	8.029	132	50 - 200	1.4780	+/-0.50	
Acenaphthene-d10	1317921	11.724	970176	10.251	136	50 - 200	1.4730	+/-0.50	
Phenanthrene-d10	2067517	13.636	1609148	12.094	128	50 - 200	1.5420	+/-0.50	
Chrysene-d12	1604893	18.15	1722869	16.261	93	50 - 200	1.8890	+/-0.50	
Perylene-d12	1364339	21.211	1702026	19.012	80	50 - 200	2.1990	+/-0.50	
Calibration Check (1H22707-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/13/11 20:18			
1,4-Dichlorobenzene-d4	401986	7.861	542595	7.877	74	50 - 200	-0.0160	+/-0.50	
Naphthalene-d8	1502464	9.49	2238820	9.507	67	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10	850914	11.702	1317921	11.724	65	50 - 200	-0.0220	+/-0.50	
Phenanthrene-d10	1338122	13.614	2067517	13.636	65	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	1154667	18.118	1604893	18.15	72	50 - 200	-0.0320	+/-0.50	
Perylene-d12	1084738	21.173	1364339	21.211	80	50 - 200	-0.0380	+/-0.50	
Blank (1H09009-BLK1)			Lab File ID: H09009B1.D			Analyzed: 08/13/11 21:37			
1,4-Dichlorobenzene-d4	543956	7.855	542595	7.877	100	50 - 200	-0.0220	+/-0.50	
Naphthalene-d8	2141082	9.484	2238820	9.507	96	50 - 200	-0.0230	+/-0.50	
Acenaphthene-d10	1256829	11.696	1317921	11.724	95	50 - 200	-0.0280	+/-0.50	
Phenanthrene-d10	1935243	13.603	2067517	13.636	94	50 - 200	-0.0330	+/-0.50	
Chrysene-d12	1631215	18.106	1604893	18.15	102	50 - 200	-0.0440	+/-0.50	
Perylene-d12	1485513	21.167	1364339	21.211	109	50 - 200	-0.0440	+/-0.50	
LCS (1H09009-BS1)			Lab File ID: H09009L1.D			Analyzed: 08/13/11 22:58			
1,4-Dichlorobenzene-d4	638746	7.861	542595	7.877	118	50 - 200	-0.0160	+/-0.50	
Naphthalene-d8	2644596	9.49	2238820	9.507	118	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10	1663156	11.702	1317921	11.724	126	50 - 200	-0.0220	+/-0.50	
Phenanthrene-d10	2648191	13.614	2067517	13.636	128	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	1971133	18.128	1604893	18.15	123	50 - 200	-0.0220	+/-0.50	
Perylene-d12	1949953	21.189	1364339	21.211	143	50 - 200	-0.0220	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23104	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H23104-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/17/11 21:48			
1,4-Dichlorobenzene-d4	446974	7.814	473419	6.389	94	50 - 200	1.4250	+/-0.50	
Naphthalene-d8	1850182	9.443	1697246	8.029	109	50 - 200	1.4140	+/-0.50	
Acenaphthene-d10	1138685	11.66	970176	10.251	117	50 - 200	1.4090	+/-0.50	
Phenanthrene-d10	1922179	13.567	1609148	12.094	119	50 - 200	1.4730	+/-0.50	
Chrysene-d12	1456328	18.066	1722869	16.261	85	50 - 200	1.8050	+/-0.50	
Perylene-d12	1508479	21.105	1702026	19.012	89	50 - 200	2.0930	+/-0.50	
Blank (1H03008-BLK1)			Lab File ID: H03008B1.D			Analyzed: 08/17/11 23:50			
1,4-Dichlorobenzene-d4	466899	7.802	446974	7.814	104	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1770647	9.431	1850182	9.443	96	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1005589	11.643	1138685	11.66	88	50 - 200	-0.0170	+/-0.50	
Phenanthrene-d10	1667158	13.55	1922179	13.567	87	50 - 200	-0.0170	+/-0.50	
Chrysene-d12	1426929	18.038	1456328	18.066	98	50 - 200	-0.0280	+/-0.50	
Perylene-d12	1364067	21.077	1508479	21.105	90	50 - 200	-0.0280	+/-0.50	
LCS (1H03008-BS2)			Lab File ID: H03008L1.D			Analyzed: 08/18/11 01:13			
1,4-Dichlorobenzene-d4	331261	7.797	446974	7.814	74	50 - 200	-0.0170	+/-0.50	
Naphthalene-d8	1221967	9.426	1850182	9.443	66	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10	696964	11.638	1138685	11.66	61	50 - 200	-0.0220	+/-0.50	
Phenanthrene-d10	1140770	13.545	1922179	13.567	59	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	988720	18.038	1456328	18.066	68	50 - 200	-0.0280	+/-0.50	
Perylene-d12	935568	21.067	1508479	21.105	62	50 - 200	-0.0380	+/-0.50	
LCS Dup (1H03008-BSD2)			Lab File ID: H03008L2.D			Analyzed: 08/18/11 01:55			
1,4-Dichlorobenzene-d4	600165	7.801	446974	7.814	134	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8	2316621	9.43	1850182	9.443	125	50 - 200	-0.0130	+/-0.50	
Acenaphthene-d10	1338194	11.647	1138685	11.66	118	50 - 200	-0.0130	+/-0.50	
Phenanthrene-d10	2168940	13.549	1922179	13.567	113	50 - 200	-0.0180	+/-0.50	
Chrysene-d12	1821285	18.052	1456328	18.066	125	50 - 200	-0.0140	+/-0.50	
Perylene-d12	1791343	21.081	1508479	21.105	119	50 - 200	-0.0240	+/-0.50	
GW0192 (1108019-01)			Lab File ID: 0801901.D			Analyzed: 08/18/11 08:39			
1,4-Dichlorobenzene-d4	383138	7.808	446974	7.814	86	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1507626	9.437	1850182	9.443	81	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	894694	11.649	1138685	11.66	79	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1484537	13.55	1922179	13.567	77	50 - 200	-0.0170	+/-0.50	
Chrysene-d12	1263491	18.043	1456328	18.066	87	50 - 200	-0.0230	+/-0.50	
Perylene-d12	1245720	21.083	1508479	21.105	83	50 - 200	-0.0220	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23110	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H23110-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 08/16/11 11:26			
1,4-Dichlorobenzene-d4	905885	7.845	473419	6.389	191	50 - 200	1.4560	+/-0.50	
Naphthalene-d8	3218892	9.475	1697246	8.029	190	50 - 200	1.4460	+/-0.50	
Acenaphthene-d10	1827525	11.692	970176	10.251	188	50 - 200	1.4410	+/-0.50	
Phenanthrene-d10	2867668	13.599	1609148	12.094	178	50 - 200	1.5050	+/-0.50	
Chrysene-d12	2427493	18.108	1722869	16.261	141	50 - 200	1.8470	+/-0.50	
Perylene-d12	2435030	21.153	1702026	19.012	143	50 - 200	2.1410	+/-0.50	
Calibration Check (1H23110-CCV2)			Lab File ID: SEQ-CCV4.D			Analyzed: 08/16/11 12:07			
1,4-Dichlorobenzene-d4	916097	7.849	905885	7.845	101	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	3308766	9.473	3218892	9.475	103	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1842999	11.685	1827525	11.692	101	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2944527	13.597	2867668	13.599	103	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2628993	18.096	2427493	18.108	108	50 - 200	-0.0120	+/-0.50	
Perylene-d12	2564076	21.146	2435030	21.153	105	50 - 200	-0.0070	+/-0.50	
GW0224 (1108056-03)			Lab File ID: 0805603.D			Analyzed: 08/16/11 18:21			
1,4-Dichlorobenzene-d4	757466	7.823	905885	7.845	84	50 - 200	-0.0220	+/-0.50	
Naphthalene-d8	2768430	9.452	3218892	9.475	86	50 - 200	-0.0230	+/-0.50	
Acenaphthene-d10	1655983	11.669	1827525	11.692	91	50 - 200	-0.0230	+/-0.50	
Phenanthrene-d10	2570559	13.571	2867668	13.599	90	50 - 200	-0.0280	+/-0.50	
Chrysene-d12	2183007	18.069	2427493	18.108	90	50 - 200	-0.0390	+/-0.50	
Perylene-d12	2060882	21.114	2435030	21.153	85	50 - 200	-0.0390	+/-0.50	
GW0228 (1108056-05)			Lab File ID: 0805605.D			Analyzed: 08/16/11 19:00			
1,4-Dichlorobenzene-d4	689185	7.831	905885	7.845	76	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	2520654	9.461	3218892	9.475	78	50 - 200	-0.0140	+/-0.50	
Acenaphthene-d10	1511223	11.672	1827525	11.692	83	50 - 200	-0.0200	+/-0.50	
Phenanthrene-d10	2340927	13.58	2867668	13.599	82	50 - 200	-0.0190	+/-0.50	
Chrysene-d12	2086674	18.072	2427493	18.108	86	50 - 200	-0.0360	+/-0.50	
Perylene-d12	2044516	21.123	2435030	21.153	84	50 - 200	-0.0300	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23202	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H23202-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 08/18/11 09:50			
1,4-Dichlorobenzene-d4	350728	7.803	473419	6.389	74	50 - 200	1.4140	+/-0.50	
Naphthalene-d8	1389340	9.438	1697246	8.029	82	50 - 200	1.4090	+/-0.50	
Acenaphthene-d10	869912	11.649	970176	10.251	90	50 - 200	1.3980	+/-0.50	
Phenanthrene-d10	1542536	13.557	1609148	12.094	96	50 - 200	1.4630	+/-0.50	
Chrysene-d12	1240559	18.049	1722869	16.261	72	50 - 200	1.7880	+/-0.50	
Perylene-d12	1297046	21.084	1702026	19.012	76	50 - 200	2.0720	+/-0.50	
GW0193 (1108019-03)			Lab File ID: 0801903.D			Analyzed: 08/18/11 11:57			
1,4-Dichlorobenzene-d4	479771	7.813	350728	7.803	137	50 - 200	0.0100	+/-0.50	
Naphthalene-d8	1874397	9.437	1389340	9.438	135	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1105355	11.649	869912	11.649	127	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1845802	13.556	1542536	13.557	120	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1548298	18.043	1240559	18.049	125	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1562856	21.088	1297046	21.084	120	50 - 200	0.0040	+/-0.50	
GW0194 (1108019-05)			Lab File ID: 0801905.D			Analyzed: 08/18/11 12:41			
1,4-Dichlorobenzene-d4	484275	7.816	350728	7.803	138	50 - 200	0.0130	+/-0.50	
Naphthalene-d8	1914327	9.446	1389340	9.438	138	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	1105646	11.652	869912	11.649	127	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1790162	13.559	1542536	13.557	116	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1456332	18.052	1240559	18.049	117	50 - 200	0.0030	+/-0.50	
Perylene-d12	1426038	21.097	1297046	21.084	110	50 - 200	0.0130	+/-0.50	
GW0225 (1108019-07)			Lab File ID: 0801907.D			Analyzed: 08/18/11 13:26			
1,4-Dichlorobenzene-d4	514736	7.805	350728	7.803	147	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2003451	9.434	1389340	9.438	144	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1182992	11.646	869912	11.649	136	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1941621	13.553	1542536	13.557	126	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1654936	18.04	1240559	18.049	133	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1672817	21.08	1297046	21.084	129	50 - 200	-0.0040	+/-0.50	
GW0226 (1108078-01)			Lab File ID: 0807801.D			Analyzed: 08/18/11 19:01			
1,4-Dichlorobenzene-d4	289282	7.819	350728	7.803	82	50 - 200	0.0160	+/-0.50	
Naphthalene-d8	1149900	9.448	1389340	9.438	83	50 - 200	0.0100	+/-0.50	
Acenaphthene-d10	713781	11.66	869912	11.649	82	50 - 200	0.0110	+/-0.50	
Phenanthrene-d10	1204886	13.567	1542536	13.557	78	50 - 200	0.0100	+/-0.50	
Chrysene-d12	1029649	18.06	1240559	18.049	83	50 - 200	0.0110	+/-0.50	
Perylene-d12	1047161	21.1	1297046	21.084	81	50 - 200	0.0160	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23409	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H23409-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 08/20/11 04:30			
1,4-Dichlorobenzene-d4	750555	7.779	473419	6.389	159	50 - 200	1.3900	+/-0.50	
Naphthalene-d8	2695570	9.408	1697246	8.029	159	50 - 200	1.3790	+/-0.50	
Acenaphthene-d10	1515897	11.625	970176	10.251	156	50 - 200	1.3740	+/-0.50	
Phenanthrene-d10	2496431	13.527	1609148	12.094	155	50 - 200	1.4330	+/-0.50	
Chrysene-d12	2137339	18.02	1722869	16.261	124	50 - 200	1.7590	+/-0.50	
Perylene-d12	2163363	21.043	1702026	19.012	127	50 - 200	2.0310	+/-0.50	
GW0222 (1108046-09)			Lab File ID: 0804609.D			Analyzed: 08/20/11 13:18			
1,4-Dichlorobenzene-d4	537578	7.775	750555	7.779	72	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1947121	9.405	2695570	9.408	72	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1133334	11.616	1515897	11.625	75	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1837905	13.518	2496431	13.527	74	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1615613	18	2137339	18.02	76	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1608806	21.029	2163363	21.043	74	50 - 200	-0.0140	+/-0.50	
GW0223 (1108046-11)			Lab File ID: 0804611.D			Analyzed: 08/20/11 13:57			
1,4-Dichlorobenzene-d4	776569	7.769	750555	7.779	103	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2804301	9.399	2695570	9.408	104	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1608092	11.61	1515897	11.625	106	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2576769	13.512	2496431	13.527	103	50 - 200	-0.0150	+/-0.50	
Chrysene-d12	2389775	17.994	2137339	18.02	112	50 - 200	-0.0260	+/-0.50	
Perylene-d12	2431638	21.018	2163363	21.043	112	50 - 200	-0.0250	+/-0.50	
GW8022-RB (1108046-13)			Lab File ID: 0804613.D			Analyzed: 08/20/11 14:37			
1,4-Dichlorobenzene-d4	479299	7.774	750555	7.779	64	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1700964	9.398	2695570	9.408	63	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1016893	11.61	1515897	11.625	67	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	1646062	13.511	2496431	13.527	66	50 - 200	-0.0160	+/-0.50	
Chrysene-d12	1527171	17.993	2137339	18.02	71	50 - 200	-0.0270	+/-0.50	
Perylene-d12	1514429	21.017	2163363	21.043	70	50 - 200	-0.0260	+/-0.50	
GW0227 (1108078-03)			Lab File ID: 0807803.D			Analyzed: 08/20/11 15:16			
1,4-Dichlorobenzene-d4	676009	7.777	750555	7.779	90	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2469789	9.406	2695570	9.408	92	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1483666	11.618	1515897	11.625	98	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2329436	13.52	2496431	13.527	93	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2214680	17.996	2137339	18.02	104	50 - 200	-0.0240	+/-0.50	
Perylene-d12	2238307	21.025	2163363	21.043	103	50 - 200	-0.0180	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23536	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H23536-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/22/11 17:02			
1,4-Dichlorobenzene-d4	434870	7.694	473419	6.389	92	50 - 200	1.3050	+/-0.50	
Naphthalene-d8	1585086	9.329	1697246	8.029	93	50 - 200	1.3000	+/-0.50	
Acenaphthene-d10	900282	11.54	970176	10.251	93	50 - 200	1.2890	+/-0.50	
Phenanthrene-d10	1485461	13.432	1609148	12.094	92	50 - 200	1.3380	+/-0.50	
Chrysene-d12	1307981	17.892	1722869	16.261	76	50 - 200	1.6310	+/-0.50	
Perylene-d12	1347602	20.878	1702026	19.012	79	50 - 200	1.8660	+/-0.50	
Calibration Check (1H23536-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/22/11 17:43			
1,4-Dichlorobenzene-d4	566065	7.684	434870	7.694	130	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2261227	9.313	1585086	9.329	143	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	1315574	11.525	900282	11.54	146	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2215817	13.422	1485461	13.432	149	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1967270	17.872	1307981	17.892	150	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1828166	20.858	1347602	20.878	136	50 - 200	-0.0200	+/-0.50	
Blank (1H10018-BLK1)			Lab File ID: H10018B1.D			Analyzed: 08/22/11 21:44			
1,4-Dichlorobenzene-d4	625165	7.684	434870	7.694	144	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2377934	9.313	1585086	9.329	150	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	1368504	11.525	900282	11.54	152	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2150758	13.416	1485461	13.432	145	50 - 200	-0.0160	+/-0.50	
Chrysene-d12	1943841	17.871	1307981	17.892	149	50 - 200	-0.0210	+/-0.50	
Perylene-d12	1988923	20.857	1347602	20.878	148	50 - 200	-0.0210	+/-0.50	
LCS (1H10018-BS1)			Lab File ID: H10018L1.D			Analyzed: 08/22/11 22:24			
1,4-Dichlorobenzene-d4	603546	7.694	434870	7.694	139	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2227748	9.328	1585086	9.329	141	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1265353	11.535	900282	11.54	141	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2047394	13.431	1485461	13.432	138	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1795929	17.897	1307981	17.892	137	50 - 200	0.0050	+/-0.50	
Perylene-d12	1764524	20.884	1347602	20.878	131	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23537	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H23537-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 08/23/11 04:56			
1,4-Dichlorobenzene-d4	574900	7.686	473419	6.389	121	50 - 200	1.2970	+/-0.50	
Naphthalene-d8	2176864	9.316	1697246	8.029	128	50 - 200	1.2870	+/-0.50	
Acenaphthene-d10	1244911	11.533	970176	10.251	128	50 - 200	1.2820	+/-0.50	
Phenanthrene-d10	2042588	13.424	1609148	12.094	127	50 - 200	1.3300	+/-0.50	
Chrysene-d12	1707547	17.884	1722869	16.261	99	50 - 200	1.6230	+/-0.50	
Perylene-d12	1654126	20.871	1702026	19.012	97	50 - 200	1.8590	+/-0.50	
Calibration Check (1H23537-CCV2)			Lab File ID: SEQ-CCV4.D			Analyzed: 08/23/11 05:35			
1,4-Dichlorobenzene-d4	565237	7.686	574900	7.686	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2131497	9.315	2176864	9.316	98	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1200162	11.527	1244911	11.533	96	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2001380	13.423	2042588	13.424	98	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1735153	17.879	1707547	17.884	102	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1688386	20.865	1654126	20.871	102	50 - 200	-0.0060	+/-0.50	
GW0245 (1108097-01)			Lab File ID: 0809701.D			Analyzed: 08/23/11 07:33			
1,4-Dichlorobenzene-d4	845220	7.695	574900	7.686	147	50 - 200	0.0090	+/-0.50	
Naphthalene-d8	3158393	9.324	2176864	9.316	145	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	1836822	11.536	1244911	11.533	148	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	2902482	13.427	2042588	13.424	142	50 - 200	0.0030	+/-0.50	
Chrysene-d12	2611558	17.888	1707547	17.884	153	50 - 200	0.0040	+/-0.50	
Perylene-d12	2572936	20.879	1654126	20.871	156	50 - 200	0.0080	+/-0.50	
GW0246 (1108097-03)			Lab File ID: 0809703.D			Analyzed: 08/23/11 08:15			
1,4-Dichlorobenzene-d4	665839	7.689	574900	7.686	116	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2501770	9.318	2176864	9.316	115	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1451243	11.524	1244911	11.533	117	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2300745	13.421	2042588	13.424	113	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2086907	17.876	1707547	17.884	122	50 - 200	-0.0080	+/-0.50	
Perylene-d12	2136836	20.868	1654126	20.871	129	50 - 200	-0.0030	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	1.200562	10	1.152068	20	1.149698	40	1.01509	50	1.06599	60	1.118857
Acenaphthylene	5	1.910563	10	1.856652	20	1.834023	40	1.577506	50	1.649651	60	1.70743
Acetophenone												
Aniline	5	2.209836	10	2.190225	20	2.226457	40	1.982043	50	1.974254	60	2.113941
Anthracene	5	1.235784	10	1.151973	20	1.14753	40	1.011014	50	1.041804	60	1.073498
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.168873	10	1.137636	20	1.197714	40	1.06755	50	1.06548	60	1.128806
Benzo(a)pyrene	5	1.036259	10	1.04972	20	1.089412	40	0.978414	50	1.01499	60	1.072439
Benzo(b)fluoranthene	5	1.078112	10	1.060484	20	1.153792	40	1.054294	50	1.040864	60	1.109427
Benzo(g,h,i)perylene	5	1.006605	10	1.027385	20	1.089672	40	0.9762424	50	0.9956835	60	1.072671
Benzoic acid	5	~~0.1631144~~	10	0.2066539	20	0.2735507	40	0.2647946	50	0.2615823	60	0.2878177
Benzo(k)fluoranthene	5	1.172096	10	1.160073	20	1.151865	40	1.001281	50	1.065575	60	1.126634
Benzyl alcohol	5	0.8617163	10	0.8673336	20	0.9412286	40	0.808192	50	0.8346686	60	0.8710511
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2469078	10	0.2344633	20	0.2370065	40	0.2123191	50	0.2163411	60	0.2281563
Butylbenzylphthalate	5	0.5079049	10	0.5154742	20	0.5455854	40	0.4854733	50	0.5006547	60	0.5266863
Caprolactam												
Carbazole	5	1.169471	10	1.105756	20	1.083785	40	0.9685984	50	0.99038	60	1.035201
4-Chloro-3-methylphenol	5	0.3271885	10	0.3156005	20	0.3315254	40	0.2968659	50	0.2942781	60	0.3089769
4-Chloroaniline	5	0.4539725	10	0.4453658	20	0.4574864	40	0.3980506	50	0.4035257	60	0.4178278
Bis(2-chloroethoxy)methane	5	0.4611163	10	0.4509887	20	0.460769	40	0.4019167	50	0.4004393	60	0.4227313
Bis(2-chloroethyl)ether	5	1.398969	10	1.365362	20	1.373354	40	1.207943	50	1.239815	60	1.295529
2,2'-Oxybis-1-chloropropane	5	2.104681	10	2.038633	20	2.090222	40	1.80177	50	1.872962	60	1.941936
2-Chloronaphthalene	5	1.200232	10	1.154849	20	1.147532	40	0.9888028	50	1.039189	60	1.079545
2-Chlorophenol	5	1.387384	10	1.360711	20	1.391404	40	1.228533	50	1.258319	60	1.325553
4-Chlorophenyl phenyl ether	5	0.6722867	10	0.629193	20	0.6336897	40	0.5730243	50	0.5907893	60	0.627927
Chrysene	5	1.151174	10	1.091951	20	1.107031	40	0.961258	50	1.014375	60	1.04624
Dibenz(a,h)anthracene	5	0.946806	10	0.9506035	20	1.063357	40	0.9536154	50	0.9816955	60	1.050817
Dibenzofuran	5	1.690636	10	1.625618	20	1.605227	40	1.390488	50	1.466559	60	1.521719

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	1.291838	10	1.2633	20	1.265435	40	1.093081	50	1.140461	60	1.174317
1,4-Dichlorobenzene	5	1.568025	10	1.509793	20	1.523558	40	1.3491	50	1.379529	60	1.434978
1,3-Dichlorobenzene	5	1.574354	10	1.479601	20	1.519922	40	1.320874	50	1.355106	60	1.4173
1,2-Dichlorobenzene	5	1.465806	10	1.434433	20	1.426883	40	1.255848	50	1.293523	60	1.343582
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.3169391	10	0.3145317	20	0.322702	40	0.288284	50	0.289789	60	0.3069296
Diethylphthalate	5	1.32063	10	1.261619	20	1.254918	40	1.085716	50	1.152411	60	1.190047
2,4-Dimethylphenol	5	0.3841369	10	0.3702076	20	0.3829536	40	0.3415762	50	0.3440076	60	0.3643064
Dimethyl phthalate	5	1.355168	10	1.307581	20	1.304618	40	1.153295	50	1.191277	60	1.235793
4,6-Dinitro-2-methylphenol	5	0.1210854	10	0.1305908	20	0.1540064	40	0.145401	50	0.1462314	60	0.1562021
2,4-Dinitrophenol	5	~~0.1243362~~	10	0.141284	20	0.1848834	40	0.1803434	50	0.1820099	60	0.2006313
2,4-Dinitrotoluene	5	0.3918149	10	0.3987171	20	0.4082577	40	0.3613843	50	0.3748928	60	0.3995306
2,6-Dinitrotoluene	5	0.3173778	10	0.3102615	20	0.3152494	40	0.2767322	50	0.2875841	60	0.301629
Di-n-octylphthalate	5	1.129653	10	1.174165	20	1.286397	40	1.152356	50	1.187184	60	1.252792
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.9395803	10	0.8941122	20	0.9022896	40	0.7910616	50	0.8117722	60	0.8483397
Bis(2-ethylhexyl)phthalate	5	0.6809116	10	0.696049	20	0.7240521	40	0.6392159	50	0.667684	60	0.6908073
Fluoranthene	5	1.315024	10	1.285888	20	1.299553	40	1.150257	50	1.178525	60	1.237456
Fluorene	5	1.427943	10	1.37776	20	1.393796	40	1.23256	50	1.283604	60	1.352245
2-Fluorobiphenyl	5	1.379787	10	1.332113	20	1.323566	40	1.162246	50	1.222403	60	1.258599
2-Fluorophenol	10	1.214211	20	1.184901	40	1.215741	80	1.07233	100	1.096515	120	1.1412
Hexachlorobenzene	5	0.2642514	10	0.2518966	20	0.2524031	40	0.2278087	50	0.2304762	60	0.2443057
Hexachlorobutadiene	5	0.1958535	10	0.1924169	20	0.197703	40	0.1758159	50	0.1782143	60	0.1853061
Hexachlorocyclopentadiene	5	0.3479271	10	0.3459221	20	0.3868304	40	0.357985	50	0.3703015	60	0.3962933
Hexachloroethane	5	0.5846331	10	0.56404	20	0.5729063	40	0.5094484	50	0.5215085	60	0.5497472
Indeno(1,2,3-cd)pyrene	5	0.9329214	10	0.9621318	20	1.063819	40	1.008596	50	0.9848949	60	1.105305
Isophorone	5	0.7896668	10	0.7714455	20	0.7883782	40	0.7034726	50	0.7013248	60	0.7443144
1-Methylnaphthalene	5	0.6441305	10	0.6180163	20	0.6239926	40	0.54737	50	0.5549955	60	0.5772563
2-Methylnaphthalene	5	0.6435821	10	0.6278223	20	0.6404808	40	0.5564928	50	0.5627111	60	0.5897258
2-Methylphenol	5	1.260273	10	1.251825	20	1.277152	40	1.131961	50	1.167884	60	1.218514

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 1122001

Instrument: MS-BNA3

Matrix: Water

Calibration Dates: 4/29/11 17:45 4/30/11 1:58

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/4-Methylphenol	5	1.331706	10	1.290792	20	1.346713	40	1.190219	50	1.206537	60	1.281773
Naphthalene	5	1.122107	10	1.071727	20	1.07583	40	0.9265709	50	0.94301	60	0.973957
4-Nitroaniline	5	0.3430184	10	0.3360743	20	0.3479662	40	0.3116398	50	0.3255681	60	0.3397148
3-Nitroaniline	5	0.3309603	10	0.3378271	20	0.3400208	40	0.3008812	50	0.3121727	60	0.3258531
2-Nitroaniline	5	0.3665605	10	0.3700264	20	0.3853216	40	0.3493316	50	0.3598085	60	0.3803924
Nitrobenzene	5	0.4362066	10	0.4207695	20	0.4376126	40	0.3908491	50	0.3913832	60	0.4109914
Nitrobenzene-d5	5	0.4225447	10	0.4166832	20	0.4326009	40	0.3896115	50	0.3855663	60	0.4106561
4-Nitrophenol	5	0.229719	10	0.2494493	20	0.2828897	40	0.265577	50	0.2743758	60	0.2955233
2-Nitrophenol	5	0.1962052	10	0.1951651	20	0.2085142	40	0.1870232	50	0.1859271	60	0.198001
N-Nitrosodimethylamine	5	0.7020853	10	0.6974494	20	0.7179495	40	0.6502823	50	0.6591353	60	0.6915263
N-Nitrosodiphenylamine	5	0.7447467	10	0.702659	20	0.7022588	40	0.6229357	50	0.6399909	60	0.6681725
N-Nitroso-di-n-propylamine	5	1.084962	10	1.067234	20	1.095671	40	0.964017	50	0.9910933	60	1.042096
Pentachlorophenol	5	0.1466429	10	0.1458785	20	0.1722191	40	0.1555052	50	0.1599187	60	0.1729039
Phenanthrene	5	1.199467	10	1.144802	20	1.134825	40	0.990132	50	1.022705	60	1.064225
Phenol	5	1.763803	10	1.739868	20	1.780402	40	1.57708	50	1.605923	60	1.698477
Phenol-d6	10	1.662802	20	1.633678	40	1.679837	80	1.464852	100	1.513167	120	1.571116
Pyrene	5	1.262746	10	1.222088	20	1.241454	40	1.08272	50	1.115517	60	1.160478
Pyridine	5	1.508911	10	1.473681	20	1.566124	40	1.419584	50	1.429577	60	1.495931
Terphenyl-d14	5	0.7819621	10	0.7712491	20	0.7866967	40	0.6961461	50	0.7143354	60	0.753249
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3424646	10	0.3390161	20	0.3503973	40	0.3066535	50	0.3206907	60	0.3389603
2,4,6-Tribromophenol	10	0.1109002	20	0.1068303	40	0.1114174	80	0.1032482	100	0.1035542	120	0.1120766
1,2,4-Trichlorobenzene	5	0.3746386	10	0.3584824	20	0.362458	40	0.320971	50	0.3209222	60	0.3385883
2,4,6-Trichlorophenol	5	0.3830191	10	0.3817827	20	0.3990224	40	0.3592382	50	0.3644658	60	0.395434
2,4,5-Trichlorophenol	5	0.4211802	10	0.4132209	20	0.4400895	40	0.3862672	50	0.4032646	60	0.4189467

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	1.070428	100	1.110154								
Acenaphthylene	80	1.618735	100	1.647107								
Acetophenone					5	1.880226	10	1.843684	20	1.726817	40	1.816985
Aniline	80	2.054588	100	2.043831								
Anthracene	80	1.035715	100	1.04405								
Atrazine					5	0.2382708	10	0.2429518	20	0.2278142	40	0.233576
Benzaldehyde					5	1.135886	10	1.104348	20	1.01959	40	1.026186
Benzidine					5	0.6324675	10	0.6598514	20	0.6461027	40	0.6640134
Benzo(a)anthracene	80	1.085495	100	1.102825								
Benzo(a)pyrene	80	1.043055	100	1.082603								
Benzo(b)fluoranthene	80	1.094292	100	1.158321								
Benzo(g,h,i)perylene	80	1.029641	100	1.06721								
Benzoic acid	80	0.2818719	100	0.2993054								
Benzo(k)fluoranthene	80	1.086365	100	1.097945								
Benzyl alcohol	80	0.8753887	100	0.8745454								
1,1-Biphenyl					5	1.527091	10	1.51435	20	1.38327	40	1.425931
4-Bromophenyl-phenylether	80	0.2212953	100	0.2313328								
Butylbenzylphthalate	80	0.506124	100	0.5159519								
Caprolactam					5	9.990739E-02	10	0.1104282	20	0.1119224	40	0.1178965
Carbazole	80	0.9981409	100	1.003717								
4-Chloro-3-methylphenol	80	0.3086181	100	0.3077652								
4-Chloroaniline	80	0.4023406	100	0.4016907								
Bis(2-chloroethoxy)methane	80	0.4085309	100	0.4094061								
Bis(2-chloroethyl)ether	80	1.257639	100	1.244128								
2,2'-Oxybis-1-chloropropane	80	1.890831	100	1.835877								
2-Chloronaphthalene	80	1.026935	100	1.065042								
2-Chlorophenol	80	1.285464	100	1.282664								
4-Chlorophenyl phenyl ether	80	0.6214753	100	0.6384061								
Chrysene	80	0.9983804	100	1.012507								
Dibenz(a,h)anthracene	80	1.023862	100	1.065065								
Dibenzofuran	80	1.474077	100	1.5066								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	1.11586	100	1.111806								
1,4-Dichlorobenzene	80	1.392334	100	1.402334								
1,3-Dichlorobenzene	80	1.374133	100	1.380718								
1,2-Dichlorobenzene	80	1.303595	100	1.306451								
3,3'-Dichlorobenzidine					5	0.3885638	10	0.4002254	20	0.3955931	40	0.4201307
2,6-Dichlorophenol					5	0.2969206	10	0.3013649	20	0.291966	40	0.3082091
2,4-Dichlorophenol	80	0.2966112	100	0.3015958								
Diethylphthalate	80	1.134853	100	1.157654								
2,4-Dimethylphenol	80	0.3587442	100	0.3633549								
Dimethyl phthalate	80	1.185465	100	1.222328								
4,6-Dinitro-2-methylphenol	80	0.1522534	100	0.1575479								
2,4-Dinitrophenol	80	0.2006293	100	0.2082968								
2,4-Dinitrotoluene	80	0.395113	100	0.4141599								
2,6-Dinitrotoluene	80	0.2878134	100	0.2968419								
Di-n-octylphthalate	80	1.208456	100	1.243757								
1,4-Dioxane					5	0.562493	10	0.5588019	20	0.5235447	40	0.5233689
1,2-Diphenylhydrazine	80	0.8016431	100	0.8168839								
Bis(2-ethylhexyl)phthalate	80	0.6617696	100	0.6739699								
Fluoranthene	80	1.192481	100	1.211512								
Fluorene	80	1.305665	100	1.326577								
2-Fluorobiphenyl	80	1.204291	100	1.24033								
2-Fluorophenol	160	1.101251	200	1.111221								
Hexachlorobenzene	80	0.2366873	100	0.2470671								
Hexachlorobutadiene	80	0.1811536	100	0.1883923								
Hexachlorocyclopentadiene	80	0.3839658	100	0.4105745								
Hexachloroethane	80	0.5306981	100	0.5387239								
Indeno(1,2,3-cd)pyrene	80	1.075263	100	1.17113								
Isophorone	80	0.7247781	100	0.7308301								
1-Methylnaphthalene	80	0.5632671	100	0.5691244								
2-Methylnaphthalene	80	0.577124	100	0.5814146								
2-Methylphenol	80	1.186174	100	1.175301								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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/4-Methylphenol	80	1.25282	100	1.246708								
Naphthalene	80	0.929288	100	0.9247047								
4-Nitroaniline	80	0.3041842	100	0.3101441								
3-Nitroaniline	80	0.3160066	100	0.3209305								
2-Nitroaniline	80	0.3679269	100	0.3808217								
Nitrobenzene	80	0.3959025	100	0.4026269								
Nitrobenzene-d5	80	0.3956873	100	0.4070452								
4-Nitrophenol	80	0.2875644	100	0.2922439								
2-Nitrophenol	80	0.1898848	100	0.1924385								
N-Nitrosodimethylamine	80	0.6770774	100	0.6814722								
N-Nitrosodiphenylamine	80	0.6421856	100	0.6601622								
N-Nitroso-di-n-propylamine	80	1.01735	100	1.009302								
Pentachlorophenol	80	0.1689527	100	0.1764541								
Phenanthrene	80	1.02087	100	1.029906								
Phenol	80	1.657873	100	1.678155								
Phenol-d6	160	1.528019	200	1.530415								
Pyrene	80	1.10517	100	1.119951								
Pyridine	80	1.469181	100	1.49947								
Terphenyl-d14	80	0.7229046	100	0.7432138								
1,2,4,5-Tetrachlorobenzene					5	0.3479122	10	0.3558868	20	0.3284806	40	0.3388667
2,3,4,6-Tetrachlorophenol	80	0.3293547	100	0.3450346								
2,4,6-Tribromophenol	160	0.1116489	200	0.1192761								
1,2,4-Trichlorobenzene	80	0.3260549	100	0.3352601								
2,4,6-Trichlorophenol	80	0.3790248	100	0.3940451								
2,4,5-Trichlorophenol	80	0.4068398	100	0.4243071								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	1.789068	60	1.770735	80	1.812049	100	1.776326				
Aniline												
Anthracene												
Atrazine	50	0.2359177	60	0.2321698	80	0.234271	100	0.2307739				
Benzaldehyde	50	0.9817363	60	0.9635899	80	0.9526789	100	0.8968237				
Benzidine	50	0.6420753	60	0.6442256	80	0.6312912	100	0.6103486				
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	1.43195	60	1.402475	80	1.465295	100	1.405265				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1144193	60	0.1176165	80	0.1139048	100	0.1166416				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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	0.412504	60	0.4101255	80	0.4135013	100	0.4131389				
2,6-Dichlorophenol	50	0.2904992	60	0.3021215	80	0.2987647	100	0.297978				
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	0.5272408	60	0.5401001	80	0.5695672	100	0.5195493				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

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												
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	0.3278198	60	0.3307788	80	0.3290598	100	0.3234578				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1122001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	4/29/11 17:45	4/30/11 1:58	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.110356	5.288294	10.29162	9.343479E-02			CCC (30)	
Acenaphthylene	1.725208	7.224824	10.072	8.837624E-02			15	
Acetophenone	1.801986	2.623006	6.9	0.0512758			15	
Aniline	2.099397	4.80832	5.967	0.2001409			15	
Anthracene	1.092671	7.109126	12.18775	7.884876E-02			15	
Atrazine	0.2344682	1.991174	11.74575	4.943708E-02			15	
Benzaldehyde	1.010105	7.8623	5.825625	7.236361E-02			15	
Benzidine	0.641297	2.654444	13.97425	4.038824E-02			15	
Benzo(a)anthracene	1.119297	4.274256	16.23525	0.0816524			15	
Benzo(a)pyrene	1.045862	3.535372	18.9035	0.1146499			CCC (30)	
Benzo(b)fluoranthene	1.093698	4.048684	18.29662	0.1113231			15	
Benzo(g,h,i)perylene	1.033139	3.890507	21.8865	0.2082456			15	
Benzoic acid	0.2679395	11.20774	7.781571	0.6947302			15	
Benzo(k)fluoranthene	1.107729	5.157608	18.3555	0.1297645			15	
Benzyl alcohol	0.8667655	4.400746	6.566875	0.2166256			15	
1,1-Biphenyl	1.444453	3.67168	9.52625	3.810599E-02			15	
4-Bromophenyl-phenylether	0.2284778	5.008023	11.5395	7.035777E-02			15	
Butylbenzylphthalate	0.5129818	3.492852	15.25225	6.767508E-02			15	
Caprolactam	0.1128421	5.193073	8.55075	0.1563915			15	
Carbazole	1.044381	6.624112	12.39137	8.639464E-02			15	
4-Chloro-3-methylphenol	0.3113523	4.210752	8.736125	0.1038012			CCC (30)	
4-Chloroaniline	0.4225325	6.03815	8.122625	0.1175516			15	
Bis(2-chloroethoxy)methane	0.4269873	6.185735	7.725875	0.1308561			15	
Bis(2-chloroethyl)ether	1.297842	5.559542	6.0525	0.1902114			15	
2,2'-Oxybis-1-chloropropane	1.947114	6.010514	6.7435	0.131801			15	
2-Chloronaphthalene	1.087766	6.697993	9.5495	8.079271E-02			15	
2-Chlorophenol	1.315004	4.624341	6.11375	0.1645746			15	
4-Chlorophenyl phenyl ether	0.6233489	4.843106	10.93262	7.540016E-02			15	
Chrysene	1.047865	6.082994	16.30862	0.1078386			15	
Dibenz(a,h)anthracene	1.004478	5.185987	21.30563	0.1755433			15	
Dibenzofuran	1.535116	6.402871	10.50525	9.099792E-02			15	
Di-n-butylphthalate	1.182012	6.755144	12.86425	6.288496E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1122001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	4/29/11 17:45	4/30/11 1:58	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.444956	5.466992	6.410625	0.1248613			CCC (30)	
1,3-Dichlorobenzene	1.427751	6.184247	6.312875	0.105711			15	
1,2-Dichlorobenzene	1.353765	5.754592	6.6015	9.658535E-02			15	
3,3'-Dichlorobenzidine	0.4067228	2.64104	16.20337	3.259867E-02			15	
2,6-Dichlorophenol	0.298478	1.900014	8.1265	4.341722E-02			15	
2,4-Dichlorophenol	0.3046728	4.192991	7.844125	0.1362117			CCC (30)	
Diethylphthalate	1.194731	6.529918	10.80025	0.1137489			15	
2,4-Dimethylphenol	0.3636609	4.326675	7.594375	0.1603634			15	
Dimethyl phthalate	1.244441	5.685728	9.930375	0.1671862			15	
4,6-Dinitro-2-methylphenol	0.1454148	8.990807	11.00038	0.1679983			15	
2,4-Dinitrophenol	0.1854397	12.00123	10.33129	0.1179144			SPCC (0.05)	
2,4-Dinitrotoluene	0.3929838	4.396053	10.49525	0.1523157			15	
2,6-Dinitrotoluene	0.2991862	4.878435	9.996875	0.1438581			15	
Di-n-octylphthalate	1.204345	4.453456	17.67838	7.317373E-02			CCC (30)	
1,4-Dioxane	0.5405832	3.738713	2.966125	0.8455495			15	
1,2-Diphenylhydrazine	0.8507103	6.449686	11.13088	9.327424E-02			15	
Bis(2-ethylhexyl)phthalate	0.6793074	3.730629	16.37963	6.115675E-02			15	
Fluoranthene	1.233837	4.928638	13.7625	9.359244E-02			CCC (30)	
Fluorene	1.337519	4.748586	10.932	9.604146E-02			15	
2-Fluorobiphenyl	1.265417	5.80845	9.402	7.848969E-02			15	
2-Fluorophenol	1.142171	4.910943	4.735625	0.2045971			15	
Hexachlorobenzene	0.244362	5.01217	11.60775	8.043427E-02			15	
Hexachlorobutadiene	0.1868569	4.354219	8.211375	6.390464E-02			CCC (30)	
Hexachlorocyclopentadiene	0.374975	6.237495	9.13225	6.029786E-02			SPCC (0.05)	
Hexachloroethane	0.5464632	4.780526	7.037625	8.255052E-02			15	
Indeno(1,2,3-cd)pyrene	1.038008	7.706288	21.23487	0.170273			15	
Isophorone	0.7442763	4.76768	7.447	0.2320769			15	
1-Methylnaphthalene	0.5872691	6.161853	9.060125	8.180225E-02			15	
2-Methylnaphthalene	0.5974192	5.83852	8.935875	7.367129E-02			15	
2-Methylphenol	1.208635	4.251053	6.698875	0.1714391			15	
3-Methylphenol/4-Methylphenol	1.268409	4.36657	6.9085	0.2477057			15	
Naphthalene	0.9958993	8.109498	8.05525	8.805836E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1122001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Nitroaniline	0.3272887	5.141513	10.96663	0.2298598			15	
3-Nitroaniline	0.3230815	4.120647	10.20188	0.1592925			15	
2-Nitroaniline	0.3700237	3.241451	9.68	0.1125277			15	
Nitrobenzene	0.4107927	4.625764	7.1275	0.1614281			15	
Nitrobenzene-d5	0.4075494	4.033432	7.1015	0.150497			15	
4-Nitrophenol	0.2721678	8.409362	10.40112	0.1699928			SPCC (0.05)	
2-Nitrophenol	0.1941449	3.724196	7.534125	0.1204379			CCC (30)	
N-Nitrosodimethylamine	0.6846222	3.277107	3.268625	0.4561992			15	
N-Nitrosodiphenylamine	0.6728889	6.054145	11.08487	0.122818			CCC (30)	
N-Nitroso-di-n-propylamine	1.033966	4.50625	6.924	0.341437			SPCC (0.05)	
Pentachlorophenol	0.1623094	7.444736	11.84938	7.159059E-02			CCC (30)	
Phenanthrene	1.075866	6.933794	12.12375	8.032742E-02			15	
Phenol	1.687698	4.315264	5.922875	0.2981099			CCC (30)	
Phenol-d6	1.572986	4.940565	5.90625	0.2878739			15	
Pyrene	1.163766	5.943883	14.11538	0.0929633			15	
Pyridine	1.482807	3.139741	3.313875	0.4229696			15	
Terphenyl-d14	0.7462196	4.435474	14.37887	7.151091E-02			15	
1,2,4,5-Tetrachlorobenzene	0.3352828	3.377528	9.142125	3.575815E-02			15	
2,3,4,6-Tetrachlorophenol	0.3340715	4.320893	10.65287	9.534642E-02			15	
2,4,6-Tribromophenol	0.109869	4.778459	11.23037	0.1037614			15	
1,2,4-Trichlorobenzene	0.3421719	6.002622	7.953	8.322603E-02			15	
2,4,6-Trichlorophenol	0.382004	3.768651	9.2885	6.754752E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4142645	3.869366	9.329125	9.747652E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	50.99	1.110356	1.132237		2.0	20
Acenaphthylene	A	50.00	52.08	1.725208	1.796804		4.1	20
Anthracene	A	50.00	53.21	1.092671	1.162801		6.4	20
Benzo(a)anthracene	A	50.00	53.94	1.119297	1.207582		7.9	20
Benzo(a)pyrene	A	50.00	54.76	1.045862	1.145479		9.5	20
Benzo(b)fluoranthene	A	50.00	53.30	1.093698	1.165866		6.6	20
Benzo(g,h,i)perylene	A	50.00	55.29	1.033139	1.142352		10.6	20
Benzoic acid	A	50.00	56.42	0.2679395	0.302351		12.8	20
Benzo(k)fluoranthene	A	50.00	54.50	1.107729	1.207431		9.0	20
4-Bromophenyl-phenylether	A	50.00	52.91	0.2284778	0.2417889		5.8	20
Butylbenzylphthalate	A	50.00	56.82	0.5129818	0.582953		13.6	20
Carbazole	A	50.00	51.29	1.044381	1.071248		2.6	20
4-Chloro-3-methylphenol	A	50.00	52.69	0.3113523	0.3281338		5.4	20
4-Chloroaniline	A	50.00	50.78	0.4225325	0.4291082		1.6	20
Bis(2-chloroethoxy)methane	A	50.00	54.60	0.4269873	0.4662333		9.2	20
Bis(2-chloroethyl)ether	A	50.00	52.57	1.297842	1.3646		5.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.93	1.947114	2.022377		3.9	20
2-Chloronaphthalene	A	50.00	52.76	1.087766	1.147861		5.5	20
2-Chlorophenol	A	50.00	53.41	1.315004	1.404776		6.8	20
4-Chlorophenyl phenyl ether	A	50.00	51.82	0.6233489	0.6461009		3.6	20
Chrysene	A	50.00	53.37	1.047865	1.118417		6.7	20
Dibenz(a,h)anthracene	A	50.00	56.42	1.004478	1.133417		12.8	20
Dibenzofuran	A	50.00	53.17	1.535116	1.632439		6.3	20
Di-n-butylphthalate	A	50.00	52.16	1.182012	1.233187		4.3	20
2,4-Dichlorophenol	A	50.00	52.27	0.3046728	0.3185106		4.5	20
Diethylphthalate	A	50.00	52.18	1.194731	1.246888		4.4	20
2,4-Dimethylphenol	A	50.00	53.80	0.3636609	0.3913226		7.6	20
Dimethyl phthalate	A	50.00	52.08	1.244441	1.296196		4.2	20
2,4-Dinitrotoluene	A	50.00	52.99	0.3929838	0.4165004		6.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,6-Dinitrotoluene	A	50.00	53.60	0.2991862	0.3207071		7.2	20
Di-n-octylphthalate	A	50.00	55.56	1.204345	1.338299		11.1	20
1,2-Diphenylhydrazine	A	50.00	51.69	0.8507103	0.8794004		3.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.80	0.6793074	0.7445394		9.6	20
Fluoranthene	A	50.00	52.70	1.233837	1.300481		5.4	20
Fluorene	A	50.00	52.74	1.337519	1.410746		5.5	20
Hexachlorobenzene	A	50.00	53.53	0.244362	0.2616019		7.1	20
Hexachlorobutadiene	A	50.00	56.62	0.1868569	0.2116138		13.2	20
Hexachlorocyclopentadiene	A	50.00	50.51	0.374975	0.3787812	0.05	1.0	20
Hexachloroethane	A	50.00	53.43	0.5464632	0.5839846		6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.78	1.038008	1.157962		11.6	20
Isophorone	A	50.00	51.26	0.7442763	0.7630284		2.5	20
1-Methylnaphthalene	A	50.00	50.47	0.5872691	0.5928174		0.9	20
2-Methylnaphthalene	A	50.00	52.21	0.5974192	0.6238767		4.4	20
2-Methylphenol	A	50.00	52.67	1.208635	1.273291		5.3	20
3-Methylphenol/4-Methylphenol	A	50.00	51.20	1.268409	1.298786		2.4	20
4-Nitroaniline	A	50.00	53.01	0.3272887	0.3469818		6.0	20
3-Nitroaniline	A	50.00	53.20	0.3230815	0.3437513		6.4	20
2-Nitroaniline	A	50.00	53.86	0.3700237	0.3985975		7.7	20
Nitrobenzene	A	50.00	52.75	0.4107927	0.4333935		5.5	20
4-Nitrophenol	A	50.00	53.70	0.2721678	0.292285	0.05	7.4	20
2-Nitrophenol	A	50.00	53.57	0.1941449	0.2080171		7.1	20
N-Nitrosodiphenylamine	A	50.00	53.24	0.6728889	0.7164793		6.5	20
N-Nitroso-di-n-propylamine	A	50.00	54.25	1.033966	1.12186	0.05	8.5	20
Phenanthrene	A	50.00	53.38	1.075866	1.148675		6.8	20
Phenol	A	50.00	52.06	1.687698	1.757079		4.1	20
Pyrene	A	50.00	54.76	1.163766	1.274472		9.5	20
2,4,6-Trichlorophenol	A	50.00	53.68	0.382004	0.4101383		7.4	20
2,4,5-Trichlorophenol	A	50.00	52.48	0.4142645	0.4348178		5.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2-Fluorobiphenyl	A	50.00	54.11	1.265417	1.369371		8.2	20
2-Fluorophenol	A	100.0	114.6	1.142171	1.308424		14.6	20
Nitrobenzene-d5	A	50.00	55.94	0.4075494	0.4559688		11.9	20
Terphenyl-d14	A	50.00	54.87	0.7462196	0.8189273		9.7	20
2,4,6-Tribromophenol	A	100.0	109.2	0.109869	0.1200227		9.2	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV2	Injection Time:	15:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.88	1.801986	1.761675		-2.2	20
Atrazine	A	50.00	50.39	0.2344682	0.2362964		0.8	20
Benzidine	A	50.00	49.05	0.641297	0.6290564		-1.9	20
1,1-Biphenyl	A	50.00	51.20	1.444453	1.479098		2.4	20
Caprolactam	A	50.00	56.58	0.1128421	0.1276823		13.2	20
3,3'-Dichlorobenzidine	A	50.00	52.77	0.4067228	0.4292329		5.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV3	Injection Time:	17:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4,6-Dinitro-2-methylphenol	A	50.00	53.45	0.1454148	0.1554342		6.9	20
2,4-Dinitrophenol	A	50.00	61.89	0.1854397	0.2295477	0.05	23.8	20 *
Pentachlorophenol	A	50.00	56.14	0.1623094	0.1822508		12.3	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	05/02/11
Lab Sample ID:	1E12203-ICV4	Injection Time:	14:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	50.85	1.010105	1.027374		1.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV1	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	50.45	1.110356	1.120248		0.9	20	
Acenaphthylene	A	50.00	52.58	1.725208	1.814308		5.2	20	
Acetophenone	A	50.00	56.51	1.801986	2.036498		13.0	20	
Anthracene	A	50.00	51.83	1.092671	1.132711		3.7	20	
Benzidine	A	50.00	64.82	0.641297	0.8314379		29.6	20	*
Benzo(a)anthracene	A	50.00	53.69	1.119297	1.201889		7.4	20	
Benzo(a)pyrene	A	50.00	53.48	1.045862	1.118724		7.0	20	
Benzo(b)fluoranthene	A	50.00	59.44	1.093698	1.300154		18.9	20	
Benzo(g,h,i)perylene	A	50.00	53.22	1.033139	1.099757		6.4	20	
Benzoic acid	A	50.00	52.75	0.2679395	0.2826528		5.5	20	
Benzo(k)fluoranthene	A	50.00	54.33	1.107729	1.2036		8.7	20	
1,1-Biphenyl	A	50.00	49.79	1.444453	1.438322		-0.4	20	
4-Bromophenyl-phenylether	A	50.00	45.35	0.2284778	0.2072341		-9.3	20	
Butylbenzylphthalate	A	50.00	70.16	0.5129818	0.7198456		40.3	20	*
Caprolactam	A	50.00	52.40	0.1128421	0.118248		4.8	20	
Carbazole	A	50.00	52.03	1.044381	1.086726		4.1	20	
4-Chloro-3-methylphenol	A	50.00	51.69	0.3113523	0.3218713		3.4	20	
4-Chloroaniline	A	50.00	54.03	0.4225325	0.4565837		8.1	20	
Bis(2-chloroethoxy)methane	A	50.00	47.70	0.4269873	0.4073221		-4.6	20	
Bis(2-chloroethyl)ether	A	50.00	53.65	1.297842	1.39257		7.3	20	
2,2'-Oxybis-1-chloropropane	A	50.00	61.10	1.947114	2.379403		22.2	20	*
2-Chloronaphthalene	A	50.00	57.86	1.087766	1.258657		15.7	20	
2-Chlorophenol	A	50.00	56.28	1.315004	1.48017		12.6	20	
4-Chlorophenyl phenyl ether	A	50.00	47.67	0.6233489	0.5942468		-4.7	20	
Chrysene	A	50.00	53.86	1.047865	1.128802		7.7	20	
Dibenz(a,h)anthracene	A	50.00	52.54	1.004478	1.055425		5.1	20	
Dibenzofuran	A	50.00	51.79	1.535116	1.590141		3.6	20	
Di-n-butylphthalate	A	50.00	54.35	1.182012	1.284888		8.7	20	
3,3'-Dichlorobenzidine	A	50.00	58.17	0.4067228	0.4731775		16.3	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV1	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	51.06	0.3046728	0.3111057		2.1	20
Diethylphthalate	A	50.00	51.25	1.194731	1.224531		2.5	20
2,4-Dimethylphenol	A	50.00	49.17	0.3636609	0.3576348		-1.7	20
Dimethyl phthalate	A	50.00	50.87	1.244441	1.265977		1.7	20
4,6-Dinitro-2-methylphenol	A	50.00	55.97	0.1454148	0.1627668		11.9	20
2,4-Dinitrophenol	A	50.00	55.07	0.1854397	0.204249	0.05	10.1	20
2,4-Dinitrotoluene	A	50.00	52.05	0.3929838	0.4091232		4.1	20
2,6-Dinitrotoluene	A	50.00	52.71	0.2991862	0.3153901		5.4	20
Di-n-octylphthalate	A	50.00	75.93	1.204345	1.828821		51.9	20 *
1,2-Diphenylhydrazine	A	50.00	43.69	0.8507103	0.7433438		-12.6	20
Bis(2-ethylhexyl)phthalate	A	50.00	70.11	0.6793074	0.9525076		40.2	20 *
Fluoranthene	A	50.00	46.95	1.233837	1.158632		-6.1	20
Fluorene	A	50.00	49.87	1.337519	1.333916		-0.3	20
Hexachlorobenzene	A	50.00	45.49	0.244362	0.2223092		-9.0	20
Hexachlorobutadiene	A	50.00	39.39	0.1868569	0.1472133		-21.2	20 *
Hexachlorocyclopentadiene	A	50.00	41.29	0.374975	0.3096708	0.05	-17.4	20
Hexachloroethane	A	50.00	49.48	0.5464632	0.5408026		-1.0	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.22	1.038008	1.146275		10.4	20
Isophorone	A	50.00	45.40	0.7442763	0.675736		-9.2	20
1-Methylnaphthalene	A	50.00	49.78	0.5872691	0.5846641		-0.4	20
2-Methylnaphthalene	A	50.00	49.85	0.5974192	0.5956774		-0.3	20
2-Methylphenol	A	50.00	58.42	1.208635	1.412169		16.8	20
3-Methylphenol/4-Methylphenol	A	50.00	60.38	1.268409	1.531819		20.8	20 *
4-Nitroaniline	A	50.00	53.59	0.3272887	0.3508119		7.2	20
3-Nitroaniline	A	50.00	54.14	0.3230815	0.3498541		8.3	20
2-Nitroaniline	A	50.00	51.06	0.3700237	0.3778667		2.1	20
Nitrobenzene	A	50.00	42.45	0.4107927	0.3487287		-15.1	20
4-Nitrophenol	A	50.00	43.69	0.2721678	0.2377982	0.05	-12.6	20
2-Nitrophenol	A	50.00	53.88	0.1941449	0.2092199		7.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV1	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	54.82	0.6728889	0.7378168		9.6	20
N-Nitroso-di-n-propylamine	A	50.00	48.22	1.033966	0.9971872	0.05	-3.6	20
Pentachlorophenol	A	50.00	49.85	0.1623094	0.1618084		-0.3	20
Phenanthrene	A	50.00	51.30	1.075866	1.103846		2.6	20
Phenol	A	50.00	52.52	1.687698	1.772768		5.0	20
Pyrene	A	50.00	64.30	1.163766	1.496492		28.6	20 *
2,4,6-Trichlorophenol	A	50.00	46.55	0.382004	0.3556571		-6.9	20
2,4,5-Trichlorophenol	A	50.00	47.27	0.4142645	0.3916113		-5.5	20
2-Fluorobiphenyl	A	50.00	53.03	1.265417	1.342043		6.1	20
2-Fluorophenol	A	100.0	96.78	1.142171	1.105416		-3.2	20
Nitrobenzene-d5	A	50.00	42.84	0.4075494	0.3492204		-14.3	20
Phenol-d6	A	100.0	101.2	1.572986	1.592083		1.2	20
Terphenyl-d14	A	50.00	61.28	0.7462196	0.9145083		22.6	20 *
2,4,6-Tribromophenol	A	100.0	90.01	0.109869	9.889254E-02		-10.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV2	Injection Time:	20:18

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	46.88	0.2344682	0.2198263		-6.2	20
Benzaldehyde	A	50.00	52.72	1.010105	1.065008		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23104	Injection Date:	08/17/11
Lab Sample ID:	1H23104-CCV1	Injection Time:	21:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.96	1.110356	1.131806		1.9	20
Acenaphthylene	A	50.00	52.40	1.725208	1.807886		4.8	20
Acetophenone	A	50.00	57.62	1.801986	2.076545		15.2	20
Anthracene	A	50.00	51.12	1.092671	1.11706		2.2	20
Atrazine	A	50.00	44.35	0.2344682	0.207984		-11.3	20
Benzaldehyde	A	50.00	53.79	1.010105	1.08663		7.6	20
Benzidine	A	50.00	70.24	0.641297	0.900963		40.5	20 *
Benzo(a)anthracene	A	50.00	52.73	1.119297	1.180368		5.5	20
Benzo(a)pyrene	A	50.00	52.03	1.045862	1.088331		4.1	20
Benzo(b)fluoranthene	A	50.00	56.18	1.093698	1.228799		12.4	20
Benzo(g,h,i)perylene	A	50.00	51.81	1.033139	1.070456		3.6	20
Benzoic acid	A	50.00	55.57	0.2679395	0.2977778		11.1	20
Benzo(k)fluoranthene	A	50.00	50.39	1.107729	1.11637		0.8	20
1,1-Biphenyl	A	50.00	49.37	1.444453	1.426396		-1.3	20
4-Bromophenyl-phenylether	A	50.00	44.17	0.2284778	0.2018522		-11.7	20
Butylbenzylphthalate	A	50.00	72.51	0.5129818	0.7439209		45.0	20 *
Caprolactam	A	50.00	54.94	0.1128421	0.1239852		9.9	20
Carbazole	A	50.00	47.22	1.044381	0.9862091		-5.6	20
4-Chloro-3-methylphenol	A	50.00	53.61	0.3113523	0.3338102		7.2	20
4-Chloroaniline	A	50.00	54.78	0.4225325	0.4629024		9.6	20
Bis(2-chloroethoxy)methane	A	50.00	48.74	0.4269873	0.4162496		-2.5	20
Bis(2-chloroethyl)ether	A	50.00	52.78	1.297842	1.36992		5.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	65.16	1.947114	2.537708		30.3	20 *
2-Chloronaphthalene	A	50.00	57.50	1.087766	1.250873		15.0	20
2-Chlorophenol	A	50.00	55.88	1.315004	1.469553		11.8	20
4-Chlorophenyl phenyl ether	A	50.00	49.76	0.6233489	0.6203858		-0.5	20
Chrysene	A	50.00	52.90	1.047865	1.108667		5.8	20
Dibenz(a,h)anthracene	A	50.00	53.39	1.004478	1.072635		6.8	20
Dibenzofuran	A	50.00	52.18	1.535116	1.602099		4.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23104	Injection Date:	08/17/11
Lab Sample ID:	1H23104-CCV1	Injection Time:	21:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	52.90	1.182012	1.250608		5.8	20
3,3'-Dichlorobenzidine	A	50.00	57.00	0.4067228	0.4636769		14.0	20
2,4-Dichlorophenol	A	50.00	50.81	0.3046728	0.3095977		1.6	20
Diethylphthalate	A	50.00	52.68	1.194731	1.258713		5.4	20
2,4-Dimethylphenol	A	50.00	50.70	0.3636609	0.368762		1.4	20
Dimethyl phthalate	A	50.00	51.32	1.244441	1.277177		2.6	20
4,6-Dinitro-2-methylphenol	A	50.00	53.23	0.1454148	0.1548093		6.5	20
2,4-Dinitrophenol	A	50.00	52.73	0.1854397	0.195568	0.05	5.5	20
2,4-Dinitrotoluene	A	50.00	53.10	0.3929838	0.4173537		6.2	20
2,6-Dinitrotoluene	A	50.00	51.77	0.2991862	0.309803		3.5	20
Di-n-octylphthalate	A	50.00	68.46	1.204345	1.64903		36.9	20 *
1,2-Diphenylhydrazine	A	50.00	42.93	0.8507103	0.7303628		-14.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	75.41	0.6793074	1.02452		50.8	20 *
Fluoranthene	A	50.00	46.76	1.233837	1.153888		-6.5	20
Fluorene	A	50.00	50.63	1.337519	1.354299		1.3	20
Hexachlorobenzene	A	50.00	43.95	0.244362	0.2147862		-12.1	20
Hexachlorobutadiene	A	50.00	42.53	0.1868569	0.1589279		-14.9	20
Hexachlorocyclopentadiene	A	50.00	38.25	0.374975	0.2868783	0.05	-23.5	20 *
Hexachloroethane	A	50.00	49.03	0.5464632	0.5358808		-1.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.65	1.038008	1.113849		7.3	20
Isophorone	A	50.00	47.58	0.7442763	0.7083212		-4.8	20
1-Methylnaphthalene	A	50.00	51.89	0.5872691	0.6094622		3.8	20
2-Methylnaphthalene	A	50.00	51.95	0.5974192	0.6206832		3.9	20
2-Methylphenol	A	50.00	57.69	1.208635	1.394619		15.4	20
3-Methylphenol/4-Methylphenol	A	50.00	59.22	1.268409	1.502262		18.4	20
4-Nitroaniline	A	50.00	51.36	0.3272887	0.3362124		2.7	20
3-Nitroaniline	A	50.00	52.60	0.3230815	0.3398503		5.2	20
2-Nitroaniline	A	50.00	48.02	0.3700237	0.355346		-4.0	20
Nitrobenzene	A	50.00	44.11	0.4107927	0.3624383		-11.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23104	Injection Date:	08/17/11
Lab Sample ID:	1H23104-CCV1	Injection Time:	21:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	47.96	0.2721678	0.2610422	0.05	-4.1	20
2-Nitrophenol	A	50.00	52.88	0.1941449	0.2053117		5.8	20
N-Nitrosodiphenylamine	A	50.00	51.00	0.6728889	0.6863265		2.0	20
N-Nitroso-di-n-propylamine	A	50.00	51.78	1.033966	1.070886	0.05	3.6	20
Pentachlorophenol	A	50.00	45.65	0.1623094	0.1481993		-8.7	20
Phenanthrene	A	50.00	50.62	1.075866	1.089133		1.2	20
Phenol	A	50.00	52.62	1.687698	1.776155		5.2	20
Pyrene	A	50.00	64.61	1.163766	1.503871		29.2	20 *
2,4,6-Trichlorophenol	A	50.00	48.50	0.382004	0.3705067		-3.0	20
2,4,5-Trichlorophenol	A	50.00	47.37	0.4142645	0.3924667		-5.3	20
2-Fluorobiphenyl	A	50.00	51.95	1.265417	1.314766		3.9	20
2-Fluorophenol	A	100.0	95.88	1.142171	1.095112		-4.1	20
Nitrobenzene-d5	A	50.00	44.39	0.4075494	0.3618299		-11.2	20
Phenol-d6	A	100.0	102.4	1.572986	1.610676		2.4	20
Terphenyl-d14	A	50.00	63.72	0.7462196	0.9509913		27.4	20 *
2,4,6-Tribromophenol	A	100.0	88.45	0.109869	9.717492E-02		-11.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23110	Injection Date:	08/16/11
Lab Sample ID:	1H23110-CCV1	Injection Time:	11:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.47	1.110356	1.143086		2.9	20
Acenaphthylene	A	50.00	53.48	1.725208	1.845209		7.0	20
Acetophenone	A	50.00	50.02	1.801986	1.802742		0.04	20
Anthracene	A	50.00	51.91	1.092671	1.134364		3.8	20
Benzidine	A	50.00	58.58	0.641297	0.7513991		17.2	20
Benzo(a)anthracene	A	50.00	54.71	1.119297	1.224825		9.4	20
Benzo(a)pyrene	A	50.00	54.80	1.045862	1.146209		9.6	20
Benzo(b)fluoranthene	A	50.00	60.86	1.093698	1.331214		21.7	20 *
Benzo(g,h,i)perylene	A	50.00	53.03	1.033139	1.095809		6.1	20
Benzoic acid	A	50.00	48.82	0.2679395	0.2616058		-2.4	20
Benzo(k)fluoranthene	A	50.00	51.41	1.107729	1.139069		2.8	20
1,1-Biphenyl	A	50.00	50.89	1.444453	1.470161		1.8	20
4-Bromophenyl-phenylether	A	50.00	45.91	0.2284778	0.2097836		-8.2	20
Butylbenzylphthalate	A	50.00	66.70	0.5129818	0.6843623		33.4	20 *
Caprolactam	A	50.00	52.22	0.1128421	0.1178619		4.4	20
Carbazole	A	50.00	53.66	1.044381	1.12085		7.3	20
4-Chloro-3-methylphenol	A	50.00	50.28	0.3113523	0.3130923		0.6	20
4-Chloroaniline	A	50.00	55.95	0.4225325	0.4728233		11.9	20
Bis(2-chloroethoxy)methane	A	50.00	47.86	0.4269873	0.4087518		-4.3	20
Bis(2-chloroethyl)ether	A	50.00	50.55	1.297842	1.312119		1.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	54.67	1.947114	2.129053		9.3	20
2-Chloronaphthalene	A	50.00	57.28	1.087766	1.246101		14.6	20
2-Chlorophenol	A	50.00	54.64	1.315004	1.437072		9.3	20
4-Chlorophenyl phenyl ether	A	50.00	47.93	0.6233489	0.5974949		-4.1	20
Chrysene	A	50.00	55.60	1.047865	1.165175		11.2	20
Dibenz(a,h)anthracene	A	50.00	54.00	1.004478	1.084909		8.0	20
Dibenzofuran	A	50.00	52.15	1.535116	1.601026		4.3	20
Di-n-butylphthalate	A	50.00	53.88	1.182012	1.27379		7.8	20
3,3'-Dichlorobenzidine	A	50.00	60.28	0.4067228	0.4903601		20.6	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23110	Injection Date:	08/16/11
Lab Sample ID:	1H23110-CCV1	Injection Time:	11:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	52.52	0.3046728	0.320052		5.0	20
Diethylphthalate	A	50.00	51.22	1.194731	1.224006		2.5	20
2,4-Dimethylphenol	A	50.00	50.35	0.3636609	0.3662018		0.7	20
Dimethyl phthalate	A	50.00	51.43	1.244441	1.279988		2.9	20
4,6-Dinitro-2-methylphenol	A	50.00	56.13	0.1454148	0.1632507		12.3	20
2,4-Dinitrophenol	A	50.00	55.64	0.1854397	0.2063508	0.05	11.3	20
2,4-Dinitrotoluene	A	50.00	53.03	0.3929838	0.4167827		6.1	20
2,6-Dinitrotoluene	A	50.00	53.04	0.2991862	0.3173792		6.1	20
Di-n-octylphthalate	A	50.00	66.12	1.204345	1.592756		32.3	20 *
1,2-Diphenylhydrazine	A	50.00	44.48	0.8507103	0.7568787		-11.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	66.90	0.6793074	0.90897		33.8	20 *
Fluoranthene	A	50.00	48.38	1.233837	1.194008		-3.2	20
Fluorene	A	50.00	50.40	1.337519	1.348145		0.8	20
Hexachlorobenzene	A	50.00	46.12	0.244362	0.2253898		-7.8	20
Hexachlorobutadiene	A	50.00	42.15	0.1868569	0.1575315		-15.7	20
Hexachlorocyclopentadiene	A	50.00	44.06	0.374975	0.330418	0.05	-11.9	20
Hexachloroethane	A	50.00	49.41	0.5464632	0.5399741		-1.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	56.36	1.038008	1.170152		12.7	20
Isophorone	A	50.00	45.58	0.7442763	0.6784347		-8.8	20
1-Methylnaphthalene	A	50.00	50.07	0.5872691	0.5881338		0.1	20
2-Methylnaphthalene	A	50.00	50.31	0.5974192	0.6010816		0.6	20
2-Methylphenol	A	50.00	54.45	1.208635	1.316314		8.9	20
3-Methylphenol/4-Methylphenol	A	50.00	54.08	1.268409	1.371788		8.2	20
4-Nitroaniline	A	50.00	57.09	0.3272887	0.3736792		14.2	20
3-Nitroaniline	A	50.00	55.58	0.3230815	0.3591629		11.2	20
2-Nitroaniline	A	50.00	53.26	0.3700237	0.3941239		6.5	20
Nitrobenzene	A	50.00	44.57	0.4107927	0.3661946		-10.9	20
4-Nitrophenol	A	50.00	47.46	0.2721678	0.2583288	0.05	-5.1	20
2-Nitrophenol	A	50.00	55.09	0.1941449	0.2138962		10.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23110	Injection Date:	08/16/11
Lab Sample ID:	1H23110-CCV1	Injection Time:	11:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	54.73	0.6728889	0.736524		9.5	20
N-Nitroso-di-n-propylamine	A	50.00	43.34	1.033966	0.8962321	0.05	-13.3	20
Pentachlorophenol	A	50.00	50.17	0.1623094	0.1628613		0.3	20
Phenanthrene	A	50.00	51.90	1.075866	1.116658		3.8	20
Phenol	A	50.00	50.28	1.687698	1.696985		0.6	20
Pyrene	A	50.00	60.64	1.163766	1.411354		21.3	20 *
2,4,6-Trichlorophenol	A	50.00	49.68	0.382004	0.379559		-0.6	20
2,4,5-Trichlorophenol	A	50.00	45.83	0.4142645	0.3797315		-8.3	20
2-Fluorobiphenyl	A	50.00	53.52	1.265417	1.354499		7.0	20
2-Fluorophenol	A	100.0	104.0	1.142171	1.18848		4.1	20
Nitrobenzene-d5	A	50.00	45.24	0.4075494	0.3687612		-9.5	20
Phenol-d6	A	100.0	98.06	1.572986	1.542546		-1.9	20
Terphenyl-d14	A	50.00	57.87	0.7462196	0.8636891		15.7	20
2,4,6-Tribromophenol	A	100.0	94.59	0.109869	0.103925		-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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV4.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23110	Injection Date:	08/16/11
Lab Sample ID:	1H23110-CCV2	Injection Time:	12:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	47.10	0.2344682	0.2208643		-5.8	20
Benzaldehyde	A	50.00	53.08	1.010105	1.072409		6.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23202	Injection Date:	08/18/11
Lab Sample ID:	1H23202-CCV1	Injection Time:	09:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.27	1.110356	1.138501		2.5	20
Acenaphthylene	A	50.00	52.69	1.725208	1.81802		5.4	20
Acetophenone	A	50.00	54.59	1.801986	1.967341		9.2	20
Anthracene	A	50.00	51.35	1.092671	1.122158		2.7	20
Atrazine	A	50.00	44.29	0.2344682	0.2076705		-11.4	20
Benzaldehyde	A	50.00	45.12	1.010105	0.9116147		-9.8	20
Benzidine	A	50.00	58.55	0.641297	0.7509331		17.1	20
Benzo(a)anthracene	A	50.00	53.04	1.119297	1.187407		6.1	20
Benzo(a)pyrene	A	50.00	52.29	1.045862	1.093712		4.6	20
Benzo(b)fluoranthene	A	50.00	57.55	1.093698	1.258909		15.1	20
Benzo(g,h,i)perylene	A	50.00	51.28	1.033139	1.059495		2.6	20
Benzoic acid	A	50.00	48.12	0.2679395	0.2578842		-3.8	20
Benzo(k)fluoranthene	A	50.00	50.53	1.107729	1.119527		1.1	20
1,1-Biphenyl	A	50.00	49.49	1.444453	1.429785		-1.0	20
4-Bromophenyl-phenylether	A	50.00	43.44	0.2284778	0.1985193		-13.1	20
Butylbenzylphthalate	A	50.00	70.36	0.5129818	0.7218952		40.7	20 *
Caprolactam	A	50.00	56.20	0.1128421	0.1268372		12.4	20
Carbazole	A	50.00	48.60	1.044381	1.01513		-2.8	20
4-Chloro-3-methylphenol	A	50.00	52.60	0.3113523	0.3275639		5.2	20
4-Chloroaniline	A	50.00	54.39	0.4225325	0.459607		8.8	20
Bis(2-chloroethoxy)methane	A	50.00	48.26	0.4269873	0.412133		-3.5	20
Bis(2-chloroethyl)ether	A	50.00	51.46	1.297842	1.33572		2.9	20
2,2'-Oxybis-1-chloropropane	A	50.00	60.94	1.947114	2.373018		21.9	20 *
2-Chloronaphthalene	A	50.00	53.79	1.087766	1.170117		7.6	20
2-Chlorophenol	A	50.00	54.54	1.315004	1.434536		9.1	20
4-Chlorophenyl phenyl ether	A	50.00	50.57	0.6233489	0.6305116		1.1	20
Chrysene	A	50.00	52.45	1.047865	1.099215		4.9	20
Dibenz(a,h)anthracene	A	50.00	51.39	1.004478	1.032412		2.8	20
Dibenzofuran	A	50.00	52.50	1.535116	1.611815		5.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23202	Injection Date:	08/18/11
Lab Sample ID:	1H23202-CCV1	Injection Time:	09:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	53.90	1.182012	1.274151		7.8	20	
3,3'-Dichlorobenzidine	A	50.00	56.89	0.4067228	0.4627585		13.8	20	
2,4-Dichlorophenol	A	50.00	50.67	0.3046728	0.3087619		1.3	20	
Diethylphthalate	A	50.00	54.19	1.194731	1.294829		8.4	20	
2,4-Dimethylphenol	A	50.00	49.81	0.3636609	0.3622549		-0.4	20	
Dimethyl phthalate	A	50.00	52.19	1.244441	1.298901		4.4	20	
4,6-Dinitro-2-methylphenol	A	50.00	43.32	0.1454148	0.1259801		-13.4	20	
2,4-Dinitrophenol	A	50.00	41.29	0.1854397	0.1531272	0.05	-17.4	20	
2,4-Dinitrotoluene	A	50.00	54.39	0.3929838	0.4274648		8.8	20	
2,6-Dinitrotoluene	A	50.00	52.51	0.2991862	0.3142093		5.0	20	
Di-n-octylphthalate	A	50.00	68.13	1.204345	1.64103		36.3	20	*
1,2-Diphenylhydrazine	A	50.00	40.88	0.8507103	0.6955035		-18.2	20	
Bis(2-ethylhexyl)phthalate	A	50.00	74.39	0.6793074	1.010703		48.8	20	*
Fluoranthene	A	50.00	47.73	1.233837	1.177844		-4.5	20	
Fluorene	A	50.00	51.83	1.337519	1.386543		3.7	20	
Hexachlorobenzene	A	50.00	43.26	0.244362	0.2114134		-13.5	20	
Hexachlorobutadiene	A	50.00	42.78	0.1868569	0.1598837		-14.4	20	
Hexachlorocyclopentadiene	A	50.00	32.48	0.374975	0.2436044	0.05	-35.0	20	*
Hexachloroethane	A	50.00	49.36	0.5464632	0.5394448		-1.3	20	
Indeno(1,2,3-cd)pyrene	A	50.00	52.23	1.038008	1.084297		4.5	20	
Isophorone	A	50.00	46.85	0.7442763	0.6973228		-6.3	20	
1-Methylnaphthalene	A	50.00	51.92	0.5872691	0.6097612		3.8	20	
2-Methylnaphthalene	A	50.00	51.72	0.5974192	0.6179245		3.4	20	
2-Methylphenol	A	50.00	55.46	1.208635	1.340681		10.9	20	
3-Methylphenol/4-Methylphenol	A	50.00	56.61	1.268409	1.436053		13.2	20	
4-Nitroaniline	A	50.00	55.92	0.3272887	0.3660389		11.8	20	
3-Nitroaniline	A	50.00	54.43	0.3230815	0.3516953		8.9	20	
2-Nitroaniline	A	50.00	47.19	0.3700237	0.3492464		-5.6	20	
Nitrobenzene	A	50.00	43.01	0.4107927	0.3533764		-14.0	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23202	Injection Date:	08/18/11
Lab Sample ID:	1H23202-CCV1	Injection Time:	09:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	44.68	0.2721678	0.2432007	0.05	-10.6	20
2-Nitrophenol	A	50.00	51.41	0.1941449	0.1996084		2.8	20
N-Nitrosodiphenylamine	A	50.00	50.17	0.6728889	0.6751132		0.3	20
N-Nitroso-di-n-propylamine	A	50.00	49.16	1.033966	1.016665	0.05	-1.7	20
Pentachlorophenol	A	50.00	43.12	0.1623094	0.1399856		-13.8	20
Phenanthrene	A	50.00	51.35	1.075866	1.104844		2.7	20
Phenol	A	50.00	50.16	1.687698	1.693226		0.3	20
Pyrene	A	50.00	61.83	1.163766	1.439138		23.7	20 *
2,4,6-Trichlorophenol	A	50.00	47.14	0.382004	0.3601321		-5.7	20
2,4,5-Trichlorophenol	A	50.00	45.77	0.4142645	0.3792209		-8.5	20
2-Fluorobiphenyl	A	50.00	51.29	1.265417	1.298185		2.6	20
2-Fluorophenol	A	100.0	96.37	1.142171	1.100754		-3.6	20
Nitrobenzene-d5	A	50.00	43.75	0.4075494	0.3565906		-12.5	20
Phenol-d6	A	100.0	98.25	1.572986	1.545506		-1.7	20
Terphenyl-d14	A	50.00	61.57	0.7462196	0.9189186		23.1	20 *
2,4,6-Tribromophenol	A	100.0	88.16	0.109869	9.685764E-02		-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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23409	Injection Date:	08/20/11
Lab Sample ID:	1H23409-CCV1	Injection Time:	04:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.71	1.110356	1.126173		1.4	20
Acenaphthylene	A	50.00	52.53	1.725208	1.81242		5.1	20
Acetophenone	A	50.00	50.15	1.801986	1.807538		0.3	20
Anthracene	A	50.00	50.74	1.092671	1.108825		1.5	20
Atrazine	A	50.00	39.26	0.2344682	0.1840916		-21.5	20 *
Benzaldehyde	A	50.00	22.90	1.010105	0.4626752		-54.2	20 *
Benzidine	A	50.00	58.08	0.641297	0.7449529		16.2	20
Benzo(a)anthracene	A	50.00	53.17	1.119297	1.190228		6.3	20
Benzo(a)pyrene	A	50.00	53.00	1.045862	1.108702		6.0	20
Benzo(b)fluoranthene	A	50.00	58.60	1.093698	1.28193		17.2	20
Benzo(g,h,i)perylene	A	50.00	51.16	1.033139	1.057113		2.3	20
Benzoic acid	A	50.00	50.24	0.2679395	0.2692085		0.5	20
Benzo(k)fluoranthene	A	50.00	51.07	1.107729	1.131411		2.1	20
1,1-Biphenyl	A	50.00	49.76	1.444453	1.437633		-0.5	20
4-Bromophenyl-phenylether	A	50.00	44.39	0.2284778	0.2028307		-11.2	20
Butylbenzylphthalate	A	50.00	62.48	0.5129818	0.6409866		25.0	20 *
Caprolactam	A	50.00	50.33	0.1128421	0.1135819		0.7	20
Carbazole	A	50.00	49.59	1.044381	1.035876		-0.8	20
4-Chloro-3-methylphenol	A	50.00	49.60	0.3113523	0.3088875		-0.8	20
4-Chloroaniline	A	50.00	54.14	0.4225325	0.4574795		8.3	20
Bis(2-chloroethoxy)methane	A	50.00	46.63	0.4269873	0.3981878		-6.7	20
Bis(2-chloroethyl)ether	A	50.00	50.79	1.297842	1.318326		1.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	54.97	1.947114	2.140807		9.9	20
2-Chloronaphthalene	A	50.00	55.10	1.087766	1.198682		10.2	20
2-Chlorophenol	A	50.00	53.46	1.315004	1.406055		6.9	20
4-Chlorophenyl phenyl ether	A	50.00	48.81	0.6233489	0.6084857		-2.4	20
Chrysene	A	50.00	52.52	1.047865	1.100747		5.0	20
Dibenz(a,h)anthracene	A	50.00	52.02	1.004478	1.045102		4.0	20
Dibenzofuran	A	50.00	51.00	1.535116	1.565945		2.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23409	Injection Date:	08/20/11
Lab Sample ID:	1H23409-CCV1	Injection Time:	04:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	51.29	1.182012	1.212538		2.6	20
3,3'-Dichlorobenzidine	A	50.00	58.96	0.4067228	0.4795761		17.9	20
2,4-Dichlorophenol	A	50.00	50.26	0.3046728	0.3062643		0.5	20
Diethylphthalate	A	50.00	50.84	1.194731	1.214841		1.7	20
2,4-Dimethylphenol	A	50.00	50.02	0.3636609	0.3638034		0.04	20
Dimethyl phthalate	A	50.00	49.55	1.244441	1.233311		-0.9	20
4,6-Dinitro-2-methylphenol	A	50.00	54.55	0.1454148	0.1586559		9.1	20
2,4-Dinitrophenol	A	50.00	54.72	0.1854397	0.2029652	0.05	9.5	20
2,4-Dinitrotoluene	A	50.00	52.16	0.3929838	0.4099819		4.3	20
2,6-Dinitrotoluene	A	50.00	51.13	0.2991862	0.3059348		2.3	20
Di-n-octylphthalate	A	50.00	61.98	1.204345	1.492797		24.0	20 *
1,2-Diphenylhydrazine	A	50.00	42.41	0.8507103	0.7216014		-15.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	63.68	0.6793074	0.8651187		27.4	20 *
Fluoranthene	A	50.00	47.34	1.233837	1.1683		-5.3	20
Fluorene	A	50.00	49.66	1.337519	1.328463		-0.7	20
Hexachlorobenzene	A	50.00	43.91	0.244362	0.214612		-12.2	20
Hexachlorobutadiene	A	50.00	42.38	0.1868569	0.1583742		-15.2	20
Hexachlorocyclopentadiene	A	50.00	42.90	0.374975	0.3217126	0.05	-14.2	20
Hexachloroethane	A	50.00	48.91	0.5464632	0.5345186		-2.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	54.64	1.038008	1.134239		9.3	20
Isophorone	A	50.00	45.01	0.7442763	0.6700181		-10.0	20
1-Methylnaphthalene	A	50.00	48.67	0.5872691	0.5716122		-2.7	20
2-Methylnaphthalene	A	50.00	49.11	0.5974192	0.5867627		-1.8	20
2-Methylphenol	A	50.00	52.93	1.208635	1.279366		5.9	20
3-Methylphenol/4-Methylphenol	A	50.00	52.30	1.268409	1.326898		4.6	20
4-Nitroaniline	A	50.00	55.29	0.3272887	0.3619006		10.6	20
3-Nitroaniline	A	50.00	53.19	0.3230815	0.3436772		6.4	20
2-Nitroaniline	A	50.00	46.28	0.3700237	0.3424935		-7.4	20
Nitrobenzene	A	50.00	44.30	0.4107927	0.363953		-11.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23409	Injection Date:	08/20/11
Lab Sample ID:	1H23409-CCV1	Injection Time:	04:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	44.17	0.2721678	0.2404443	0.05	-11.7	20
2-Nitrophenol	A	50.00	53.18	0.1941449	0.2065142		6.4	20
N-Nitrosodiphenylamine	A	50.00	50.61	0.6728889	0.681083		1.2	20
N-Nitroso-di-n-propylamine	A	50.00	43.46	1.033966	0.8987483	0.05	-13.1	20
Pentachlorophenol	A	50.00	45.82	0.1623094	0.1487506		-8.4	20
Phenanthrene	A	50.00	50.40	1.075866	1.084582		0.8	20
Phenol	A	50.00	49.71	1.687698	1.677884		-0.6	20
Pyrene	A	50.00	58.06	1.163766	1.351489		16.1	20
2,4,6-Trichlorophenol	A	50.00	47.28	0.382004	0.3611966		-5.4	20
2,4,5-Trichlorophenol	A	50.00	46.93	0.4142645	0.3888612		-6.1	20
2-Fluorobiphenyl	A	50.00	51.82	1.265417	1.311354		3.6	20
2-Fluorophenol	A	100.0	101.8	1.142171	1.163368		1.9	20
Nitrobenzene-d5	A	50.00	45.20	0.4075494	0.3684297		-9.6	20
Phenol-d6	A	100.0	96.36	1.572986	1.515659		-3.6	20
Terphenyl-d14	A	50.00	55.33	0.7462196	0.8257086		10.7	20
2,4,6-Tribromophenol	A	100.0	91.49	0.109869	0.1005235		-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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23536	Injection Date:	08/22/11
Lab Sample ID:	1H23536-CCV1	Injection Time:	17:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.61	1.110356	1.146038		3.2	20
Acenaphthylene	A	50.00	52.83	1.725208	1.822873		5.7	20
Acetophenone	A	50.00	50.85	1.801986	1.832608		1.7	20
Anthracene	A	50.00	51.24	1.092671	1.119794		2.5	20
Benzidine	A	50.00	59.11	0.641297	0.7580954		18.2	20
Benzo(a)anthracene	A	50.00	53.34	1.119297	1.193975		6.7	20
Benzo(a)pyrene	A	50.00	52.65	1.045862	1.101348		5.3	20
Benzo(b)fluoranthene	A	50.00	56.98	1.093698	1.246509		14.0	20
Benzo(g,h,i)perylene	A	50.00	46.28	1.033139	0.9562764		-7.4	20
Benzoic acid	A	50.00	45.47	0.2679395	0.2436572		-9.1	20
Benzo(k)fluoranthene	A	50.00	52.44	1.107729	1.161757		4.9	20
1,1-Biphenyl	A	50.00	50.82	1.444453	1.468061		1.6	20
4-Bromophenyl-phenylether	A	50.00	44.12	0.2284778	0.2016193		-11.8	20
Butylbenzylphthalate	A	50.00	61.77	0.5129818	0.6336991		23.5	20 *
Caprolactam	A	50.00	49.82	0.1128421	0.1124401		-0.4	20
Carbazole	A	50.00	48.76	1.044381	1.018427		-2.5	20
4-Chloro-3-methylphenol	A	50.00	49.54	0.3113523	0.3084592		-0.9	20
4-Chloroaniline	A	50.00	52.90	0.4225325	0.447041		5.8	20
Bis(2-chloroethoxy)methane	A	50.00	46.70	0.4269873	0.3988018		-6.6	20
Bis(2-chloroethyl)ether	A	50.00	49.15	1.297842	1.275817		-1.7	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.43	1.947114	2.15862		10.9	20
2-Chloronaphthalene	A	50.00	56.34	1.087766	1.225612		12.7	20
2-Chlorophenol	A	50.00	52.61	1.315004	1.383593		5.2	20
4-Chlorophenyl phenyl ether	A	50.00	48.86	0.6233489	0.6091354		-2.3	20
Chrysene	A	50.00	52.13	1.047865	1.092514		4.3	20
Dibenz(a,h)anthracene	A	50.00	48.00	1.004478	0.9643625		-4.0	20
Dibenzofuran	A	50.00	51.98	1.535116	1.596079		4.0	20
Di-n-butylphthalate	A	50.00	52.28	1.182012	1.235855		4.6	20
3,3'-Dichlorobenzidine	A	50.00	57.40	0.4067228	0.4669083		14.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23536	Injection Date:	08/22/11
Lab Sample ID:	1H23536-CCV1	Injection Time:	17:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	49.77	0.3046728	0.3032567		-0.5	20
Diethylphthalate	A	50.00	51.21	1.194731	1.223729		2.4	20
2,4-Dimethylphenol	A	50.00	50.12	0.3636609	0.3645329		0.2	20
Dimethyl phthalate	A	50.00	50.17	1.244441	1.248662		0.3	20
4,6-Dinitro-2-methylphenol	A	50.00	52.19	0.1454148	0.1517794		4.4	20
2,4-Dinitrophenol	A	50.00	52.81	0.1854397	0.1958613	0.05	5.6	20
2,4-Dinitrotoluene	A	50.00	51.36	0.3929838	0.4036486		2.7	20
2,6-Dinitrotoluene	A	50.00	51.53	0.2991862	0.3083301		3.1	20
Di-n-octylphthalate	A	50.00	60.46	1.204345	1.456374		20.9	20 *
1,2-Diphenylhydrazine	A	50.00	42.97	0.8507103	0.731161		-14.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	63.15	0.6793074	0.8579366		26.3	20 *
Fluoranthene	A	50.00	48.05	1.233837	1.185824		-3.9	20
Fluorene	A	50.00	50.44	1.337519	1.34921		0.9	20
Hexachlorobenzene	A	50.00	44.74	0.244362	0.2186661		-10.5	20
Hexachlorobutadiene	A	50.00	42.71	0.1868569	0.1596234		-14.6	20
Hexachlorocyclopentadiene	A	50.00	42.60	0.374975	0.3195123	0.05	-14.8	20
Hexachloroethane	A	50.00	48.75	0.5464632	0.5327753		-2.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.49	1.038008	1.027413		-1.0	20
Isophorone	A	50.00	44.92	0.7442763	0.6687228		-10.2	20
1-Methylnaphthalene	A	50.00	49.67	0.5872691	0.5833818		-0.7	20
2-Methylnaphthalene	A	50.00	49.50	0.5974192	0.5915066		-1.0	20
2-Methylphenol	A	50.00	52.86	1.208635	1.277907		5.7	20
3-Methylphenol/4-Methylphenol	A	50.00	53.22	1.268409	1.350226		6.5	20
4-Nitroaniline	A	50.00	52.50	0.3272887	0.3436221		5.0	20
3-Nitroaniline	A	50.00	51.49	0.3230815	0.3326949		3.0	20
2-Nitroaniline	A	50.00	46.98	0.3700237	0.3476608		-6.0	20
Nitrobenzene	A	50.00	44.16	0.4107927	0.3627775		-11.7	20
4-Nitrophenol	A	50.00	43.36	0.2721678	0.2360523	0.05	-13.3	20
2-Nitrophenol	A	50.00	51.92	0.1941449	0.2016057		3.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23536	Injection Date:	08/22/11
Lab Sample ID:	1H23536-CCV1	Injection Time:	17:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	51.31	0.6728889	0.6905687		2.6	20
N-Nitroso-di-n-propylamine	A	50.00	44.30	1.033966	0.9160292	0.05	-11.4	20
Pentachlorophenol	A	50.00	44.23	0.1623094	0.1435923		-11.5	20
Phenanthrene	A	50.00	51.48	1.075866	1.107755		3.0	20
Phenol	A	50.00	49.36	1.687698	1.666061		-1.3	20
Pyrene	A	50.00	57.24	1.163766	1.332184		14.5	20
2,4,6-Trichlorophenol	A	50.00	47.23	0.382004	0.360838		-5.5	20
2,4,5-Trichlorophenol	A	50.00	46.38	0.4142645	0.3842565		-7.2	20
2-Fluorobiphenyl	A	50.00	53.34	1.265417	1.349925		6.7	20
2-Fluorophenol	A	100.0	100.1	1.142171	1.143063		0.08	20
Nitrobenzene-d5	A	50.00	45.13	0.4075494	0.3678922		-9.7	20
Phenol-d6	A	100.0	95.86	1.572986	1.50788		-4.1	20
Terphenyl-d14	A	50.00	54.65	0.7462196	0.8156357		9.3	20
2,4,6-Tribromophenol	A	100.0	90.97	0.109869	9.995066E-02		-9.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23536	Injection Date:	08/22/11
Lab Sample ID:	1H23536-CCV2	Injection Time:	17:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	45.74	0.2344682	0.2145094		-8.5	20
Benzaldehyde	A	50.00	57.84	1.010105	1.168553		15.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23537	Injection Date:	08/23/11
Lab Sample ID:	1H23537-CCV1	Injection Time:	04:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.72	1.110356	1.126461		1.5	20
Acenaphthylene	A	50.00	52.32	1.725208	1.80545		4.7	20
Acetophenone	A	50.00	53.03	1.801986	1.91105		6.1	20
Anthracene	A	50.00	50.34	1.092671	1.100042		0.7	20
Benzidine	A	50.00	58.87	0.641297	0.7551211		17.7	20
Benzo(a)anthracene	A	50.00	52.98	1.119297	1.186019		6.0	20
Benzo(a)pyrene	A	50.00	52.60	1.045862	1.100338		5.2	20
Benzo(b)fluoranthene	A	50.00	57.51	1.093698	1.257943		15.0	20
Benzo(g,h,i)perylene	A	50.00	45.59	1.033139	0.942068		-8.8	20
Benzoic acid	A	50.00	51.46	0.2679395	0.2757934		2.9	20
Benzo(k)fluoranthene	A	50.00	51.92	1.107729	1.150165		3.8	20
1,1-Biphenyl	A	50.00	50.00	1.444453	1.444424		-0.002	20
4-Bromophenyl-phenylether	A	50.00	44.03	0.2284778	0.2012032		-11.9	20
Butylbenzylphthalate	A	50.00	62.59	0.5129818	0.6421656		25.2	20 *
Caprolactam	A	50.00	50.86	0.1128421	0.1147783		1.7	20
Carbazole	A	50.00	48.34	1.044381	1.009819		-3.3	20
4-Chloro-3-methylphenol	A	50.00	49.71	0.3113523	0.3095708		-0.6	20
4-Chloroaniline	A	50.00	54.32	0.4225325	0.4590306		8.6	20
Bis(2-chloroethoxy)methane	A	50.00	47.31	0.4269873	0.4040396		-5.4	20
Bis(2-chloroethyl)ether	A	50.00	50.25	1.297842	1.304444		0.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	57.59	1.947114	2.242794		15.2	20
2-Chloronaphthalene	A	50.00	56.43	1.087766	1.227757		12.9	20
2-Chlorophenol	A	50.00	53.29	1.315004	1.401659		6.6	20
4-Chlorophenyl phenyl ether	A	50.00	48.61	0.6233489	0.6060751		-2.8	20
Chrysene	A	50.00	52.31	1.047865	1.096335		4.6	20
Dibenz(a,h)anthracene	A	50.00	45.85	1.004478	0.9210878		-8.3	20
Dibenzofuran	A	50.00	51.26	1.535116	1.573984		2.5	20
Di-n-butylphthalate	A	50.00	51.31	1.182012	1.21306		2.6	20
3,3'-Dichlorobenzidine	A	50.00	59.03	0.4067228	0.4802103		18.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23537	Injection Date:	08/23/11
Lab Sample ID:	1H23537-CCV1	Injection Time:	04:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	49.71	0.3046728	0.3029084		-0.6	20
Diethylphthalate	A	50.00	50.33	1.194731	1.202588		0.7	20
2,4-Dimethylphenol	A	50.00	50.12	0.3636609	0.3645233		0.2	20
Dimethyl phthalate	A	50.00	49.67	1.244441	1.236272		-0.7	20
4,6-Dinitro-2-methylphenol	A	50.00	53.55	0.1454148	0.1557495		7.1	20
2,4-Dinitrophenol	A	50.00	52.58	0.1854397	0.1949993	0.05	5.2	20
2,4-Dinitrotoluene	A	50.00	51.31	0.3929838	0.4032892		2.6	20
2,6-Dinitrotoluene	A	50.00	51.33	0.2991862	0.3071403		2.7	20
Di-n-octylphthalate	A	50.00	64.01	1.204345	1.541854		28.0	20 *
1,2-Diphenylhydrazine	A	50.00	42.31	0.8507103	0.7198417		-15.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	64.94	0.6793074	0.8823422		29.9	20 *
Fluoranthene	A	50.00	47.03	1.233837	1.16064		-5.9	20
Fluorene	A	50.00	49.60	1.337519	1.326878		-0.8	20
Hexachlorobenzene	A	50.00	44.29	0.244362	0.2164583		-11.4	20
Hexachlorobutadiene	A	50.00	43.13	0.1868569	0.1611731		-13.7	20
Hexachlorocyclopentadiene	A	50.00	41.83	0.374975	0.3136803	0.05	-16.3	20
Hexachloroethane	A	50.00	49.20	0.5464632	0.537784		-1.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	48.86	1.038008	1.014336		-2.3	20
Isophorone	A	50.00	45.46	0.7442763	0.6767519		-9.1	20
1-Methylnaphthalene	A	50.00	49.98	0.5872691	0.5869985		-0.05	20
2-Methylnaphthalene	A	50.00	49.82	0.5974192	0.5952232		-0.4	20
2-Methylphenol	A	50.00	54.40	1.208635	1.315039		8.8	20
3-Methylphenol/4-Methylphenol	A	50.00	54.64	1.268409	1.386051		9.3	20
4-Nitroaniline	A	50.00	51.15	0.3272887	0.3348063		2.3	20
3-Nitroaniline	A	50.00	52.22	0.3230815	0.337432		4.4	20
2-Nitroaniline	A	50.00	48.10	0.3700237	0.355949		-3.8	20
Nitrobenzene	A	50.00	44.26	0.4107927	0.3636354		-11.5	20
4-Nitrophenol	A	50.00	44.65	0.2721678	0.2430728	0.05	-10.7	20
2-Nitrophenol	A	50.00	52.85	0.1941449	0.2051968		5.7	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23537	Injection Date:	08/23/11
Lab Sample ID:	1H23537-CCV1	Injection Time:	04:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	50.36	0.6728889	0.6777081		0.7	20
N-Nitroso-di-n-propylamine	A	50.00	46.10	1.033966	0.953251	0.05	-7.8	20
Pentachlorophenol	A	50.00	45.00	0.1623094	0.1460868		-10.0	20
Phenanthrene	A	50.00	50.34	1.075866	1.083221		0.7	20
Phenol	A	50.00	49.96	1.687698	1.686261		-0.09	20
Pyrene	A	50.00	59.10	1.163766	1.375644		18.2	20
2,4,6-Trichlorophenol	A	50.00	47.20	0.382004	0.3606022		-5.6	20
2,4,5-Trichlorophenol	A	50.00	45.88	0.4142645	0.380112		-8.2	20
2-Fluorobiphenyl	A	50.00	52.64	1.265417	1.332162		5.3	20
2-Fluorophenol	A	100.0	95.59	1.142171	1.091767		-4.4	20
Nitrobenzene-d5	A	50.00	45.07	0.4075494	0.3673788		-9.9	20
Phenol-d6	A	100.0	96.87	1.572986	1.523762		-3.1	20
Terphenyl-d14	A	50.00	55.94	0.7462196	0.8348149		11.9	20
2,4,6-Tribromophenol	A	100.0	90.74	0.109869	9.969216E-02		-9.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV4.D	Calibration Date:	04/29/11 00:00
Sequence:	1H23537	Injection Date:	08/23/11
Lab Sample ID:	1H23537-CCV2	Injection Time:	05:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	44.90	0.2344682	0.2105659		-10.2	20
Benzaldehyde	A	50.00	55.22	1.010105	1.115467		10.4	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H03008-BLK1 File ID: H03008B1.D

Sampled: Prepared: Analyzed: 08/17/11 23:50

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

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Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	1H03008-BLK1	File ID:	H03008B1.D
Sampled:		Prepared:		Analyzed:	08/17/11 23:50
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.92	1.25	2.50	5.00	Q, X, J
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	Q, Y, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	34.16	68.3	50 - 110	
2-Fluorophenol	100.0	35.19	35.2	20 - 110	
Nitrobenzene-d5	50.00	37.54	75.1	40 - 110	
Phenol-d6	100.0	19.86	19.9	0 - 110	
Terphenyl-d14	50.00	62.96	126	50 - 135	X
2,4,6-Tribromophenol	100.0	93.53	93.5	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H03008-BS2 File ID: H03008L1.D

Sampled: Prepared: Analyzed: 08/18/11 01:13

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.16	1.25	2.50	5.00	
208-96-8	Acenaphthylene	39.12	1.25	2.50	5.00	
98-86-2	Acetophenone	41.35	1.25	2.50	5.00	
120-12-7	Anthracene	47.48	1.25	2.50	5.00	
1912-24-9	Atrazine	43.47	1.25	2.50	5.00	
100-52-7	Benzaldehyde	41.46	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	49.56	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.67	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.87	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	48.64	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	50.59	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.64	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.31	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	67.90	1.25	2.50	5.00	X
105-60-2	Caprolactam	7.684	1.25	2.50	5.00	
86-74-8	Carbazole	48.11	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	28.07	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.44	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	41.88	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	39.96	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	49.34	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	40.09	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	26.07	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.31	1.25	2.50	5.00	
218-01-9	Chrysene	49.91	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.46	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.33	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	54.26	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	33.88	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	28.50	1.25	2.50	5.00	
84-66-2	Diethylphthalate	50.33	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	25.24	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	42.93	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	36.87	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	29.85	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	47.67	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	45.97	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	70.39	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H03008-BS2 File ID: H03008L1.D

Sampled: Prepared: Analyzed: 08/18/11 01:13

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	40.20	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	71.84	1.25	2.50	5.00	X, B
206-44-0	Fluoranthene	44.86	1.25	2.50	5.00	
86-73-7	Fluorene	43.51	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.61	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	16.76	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	12.65	1.25	2.50	5.00	Y
67-72-1	Hexachloroethane	15.11	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.61	1.25	2.50	5.00	
78-59-1	Isophorone	37.73	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	34.64	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	34.30	1.25	2.50	5.00	
95-48-7	2-Methylphenol	22.40	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	21.42	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	42.33	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	36.53	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	40.54	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.61	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	9.310	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	31.52	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	39.82	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	39.37	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	36.44	5.00	10.0	20.0	
85-01-8	Phenanthrene	48.04	1.25	2.50	5.00	
108-95-2	Phenol	9.490	1.25	2.50	5.00	
129-00-0	Pyrene	56.07	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	30.64	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	29.63	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	33.76	67.5	50 - 110	
2-Fluorophenol	100.0	33.64	33.6	20 - 110	
Nitrobenzene-d5	50.00	35.45	70.9	40 - 110	
Phenol-d6	100.0	19.55	19.6	0 - 110	
Terphenyl-d14	50.00	57.60	115	50 - 135	X
2,4,6-Tribromophenol	100.0	64.37	64.4	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H03008-BSD2 File ID: H03008L2.D

Sampled: Prepared: Analyzed: 08/18/11 01:55

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	40.95	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.57	1.25	2.50	5.00	
98-86-2	Acetophenone	44.59	1.25	2.50	5.00	
120-12-7	Anthracene	45.60	1.25	2.50	5.00	
1912-24-9	Atrazine	44.43	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.61	1.25	2.50	5.00	
92-87-5	Benzidine	15.24	12.5	25.0	50.0	X, J
56-55-3	Benzo(a)anthracene	49.29	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	46.86	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	52.75	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	48.24	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	45.22	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.22	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.35	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	68.57	1.25	2.50	5.00	X
105-60-2	Caprolactam	7.721	1.25	2.50	5.00	
86-74-8	Carbazole	46.79	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	33.81	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	42.55	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	42.97	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.75	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	49.56	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	39.81	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	32.00	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	43.16	1.25	2.50	5.00	
218-01-9	Chrysene	48.96	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.73	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.43	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.95	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	38.26	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	34.10	1.25	2.50	5.00	
84-66-2	Diethylphthalate	49.60	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	29.03	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	47.65	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	49.01	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	43.57	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	47.54	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	46.41	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	68.29	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H03008-BSD2 File ID: H03008L2.D

Sampled: Prepared: Analyzed: 08/18/11 01:55

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H03008 Sequence: 1H23104 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.66	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	71.60	1.25	2.50	5.00	B, X
206-44-0	Fluoranthene	43.34	1.25	2.50	5.00	
86-73-7	Fluorene	42.28	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	39.45	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	19.40	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	17.35	1.25	2.50	5.00	Y
67-72-1	Hexachloroethane	18.14	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	52.95	1.25	2.50	5.00	
78-59-1	Isophorone	38.48	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	35.61	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.65	1.25	2.50	5.00	
95-48-7	2-Methylphenol	27.05	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	24.52	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.65	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	44.13	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	42.65	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.74	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	10.51	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	38.26	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.94	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.60	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	44.38	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.53	1.25	2.50	5.00	
108-95-2	Phenol	10.08	1.25	2.50	5.00	
129-00-0	Pyrene	55.73	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	39.04	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	37.57	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.82	71.6	50 - 110	
2-Fluorophenol	100.0	37.05	37.0	20 - 110	
Nitrobenzene-d5	50.00	36.60	73.2	40 - 110	
Phenol-d6	100.0	20.49	20.5	0 - 110	
Terphenyl-d14	50.00	60.34	121	50 - 135	X
2,4,6-Tribromophenol	100.0	84.88	84.9	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H09009-BLK1 File ID: H09009B1.D

Sampled: Prepared: Analyzed: 08/13/11 21:37

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H09009 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H09009-BLK1 File ID: H09009B1.D

Sampled: Prepared: Analyzed: 08/13/11 21:37

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H09009 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.61	1.25	2.50	5.00	Q, X, J
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	Y, U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	X, U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	30.78	61.6	50 - 110	
2-Fluorophenol	100.0	33.58	33.6	20 - 110	
Nitrobenzene-d5	50.00	32.69	65.4	40 - 110	
Phenol-d6	100.0	20.14	20.1	0 - 110	
Terphenyl-d14	50.00	55.28	111	50 - 135	X
2,4,6-Tribromophenol	100.0	80.93	80.9	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H09009-BS1 File ID: H09009L1.D

Sampled: Prepared: Analyzed: 08/13/11 22:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H09009 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	40.56	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.62	1.25	2.50	5.00	
98-86-2	Acetophenone	43.94	1.25	2.50	5.00	
120-12-7	Anthracene	45.21	1.25	2.50	5.00	
1912-24-9	Atrazine	38.50	1.25	2.50	5.00	
100-52-7	Benzaldehyde	44.80	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	48.79	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.49	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	48.02	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	51.76	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	45.38	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	42.19	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.38	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	74.89	1.25	2.50	5.00	X
105-60-2	Caprolactam	8.437	1.25	2.50	5.00	
86-74-8	Carbazole	46.71	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	31.73	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	24.12	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.87	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	41.88	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	51.19	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	39.92	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	31.35	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.39	1.25	2.50	5.00	
218-01-9	Chrysene	48.77	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	51.24	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.91	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	52.13	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	35.47	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	32.17	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.77	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	26.99	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	43.18	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	41.17	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	37.76	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	46.53	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.58	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	69.67	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H09009-BS1 File ID: H09009L1.D

Sampled: Prepared: Analyzed: 08/13/11 22:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H09009 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.25	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	77.70	1.25	2.50	5.00	X, B
206-44-0	Fluoranthene	41.32	1.25	2.50	5.00	
86-73-7	Fluorene	42.64	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.74	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	18.32	1.25	2.50	5.00	Y
77-47-4	Hexachlorocyclopentadiene	18.43	1.25	2.50	5.00	
67-72-1	Hexachloroethane	18.65	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	52.99	1.25	2.50	5.00	
78-59-1	Isophorone	36.63	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	37.03	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	36.82	1.25	2.50	5.00	
95-48-7	2-Methylphenol	28.23	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	26.65	1.25	2.50	5.00	X
100-01-6	4-Nitroaniline	40.52	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	32.22	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	36.21	5.00	10.0	20.0	
98-95-3	Nitrobenzene	33.29	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	10.61	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	35.11	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	39.73	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	40.59	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	41.89	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.71	1.25	2.50	5.00	
108-95-2	Phenol	12.21	1.25	2.50	5.00	
129-00-0	Pyrene	59.91	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	30.78	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	31.18	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	26.39	52.8	50 - 110	
2-Fluorophenol	100.0	40.12	40.1	20 - 110	
Nitrobenzene-d5	50.00	31.33	62.7	40 - 110	
Phenol-d6	100.0	24.38	24.4	0 - 110	
Terphenyl-d14	50.00	56.86	114	50 - 135	X
2,4,6-Tribromophenol	100.0	64.61	64.6	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H10018-BLK1 File ID: H10018B1.D

Sampled: Prepared: Analyzed: 08/22/11 21:44

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H10018 Sequence: 1H23536 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, 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		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H10018-BLK1 File ID: H10018B1.D

Sampled: Prepared: Analyzed: 08/22/11 21:44

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H10018 Sequence: 1H23536 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.42	1.25	2.50	5.00	Q, X, J
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
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	33.27	66.5	50 - 110	
2-Fluorophenol	100.0	35.60	35.6	20 - 110	
Nitrobenzene-d5	50.00	35.67	71.3	40 - 110	
Phenol-d6	100.0	21.54	21.5	0 - 110	
Terphenyl-d14	50.00	52.18	104	50 - 135	
2,4,6-Tribromophenol	100.0	78.69	78.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H10018-BS1 File ID: H10018L1.D

Sampled: Prepared: Analyzed: 08/22/11 22:24

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H10018 Sequence: 1H23536 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	45.58	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.89	1.25	2.50	5.00	
98-86-2	Acetophenone	43.30	1.25	2.50	5.00	
120-12-7	Anthracene	48.43	1.25	2.50	5.00	
1912-24-9	Atrazine	42.47	1.25	2.50	5.00	
100-52-7	Benzaldehyde	43.80	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	51.70	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	49.63	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	53.16	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	47.83	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	51.55	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	46.88	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	45.53	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	67.45	1.25	2.50	5.00	X
105-60-2	Caprolactam	6.548	1.25	2.50	5.00	
86-74-8	Carbazole	47.48	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	28.83	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	29.25	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	42.85	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	41.83	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	49.76	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	45.28	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	29.60	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.05	1.25	2.50	5.00	
218-01-9	Chrysene	51.42	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.89	1.25	2.50	5.00	
132-64-9	Dibenzofuran	48.98	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.66	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	39.44	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	30.73	1.25	2.50	5.00	
84-66-2	Diethylphthalate	50.26	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	26.59	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	45.50	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	42.09	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	35.47	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	48.27	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.49	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	66.65	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Matrix: Laboratory ID: 1H10018-BS1 File ID: H10018L1.D

Sampled: Prepared: Analyzed: 08/22/11 22:24

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H10018 Sequence: 1H23536 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.32	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	69.94	1.25	2.50	5.00	X, B
206-44-0	Fluoranthene	45.81	1.25	2.50	5.00	
86-73-7	Fluorene	46.13	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.37	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	23.50	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	24.25	1.25	2.50	5.00	
67-72-1	Hexachloroethane	20.28	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	50.31	1.25	2.50	5.00	
78-59-1	Isophorone	38.42	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	39.70	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.93	1.25	2.50	5.00	
95-48-7	2-Methylphenol	25.38	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	23.74	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	41.08	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	34.05	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	40.70	5.00	10.0	20.0	
98-95-3	Nitrobenzene	37.79	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	10.57	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	34.38	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.43	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.05	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	40.54	5.00	10.0	20.0	
85-01-8	Phenanthrene	49.41	1.25	2.50	5.00	
108-95-2	Phenol	12.04	1.25	2.50	5.00	
129-00-0	Pyrene	56.86	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	33.54	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	32.55	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.72	71.4	50 - 110	
2-Fluorophenol	100.0	40.74	40.7	20 - 110	
Nitrobenzene-d5	50.00	36.80	73.6	40 - 110	
Phenol-d6	100.0	24.10	24.1	0 - 110	
Terphenyl-d14	50.00	54.87	110	50 - 135	
2,4,6-Tribromophenol	100.0	71.22	71.2	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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
GW0192	08/01/11 12:01	08/02/11 09:00	08/04/11 15:39	3.11	7.00	08/18/11 08:39	13.71	40.00	
GW0193	08/01/11 12:01	08/02/11 09:00	08/04/11 15:39	3.11	7.00	08/18/11 11:57	13.85	40.00	
GW0194	08/01/11 15:10	08/02/11 09:00	08/04/11 15:39	2.98	7.00	08/18/11 12:41	13.88	40.00	
GW0225	08/01/11 14:25	08/02/11 09:00	08/04/11 15:39	3.01	7.00	08/18/11 13:26	13.91	40.00	
GW0222	08/02/11 10:41	08/03/11 09:00	08/04/11 15:39	2.17	7.00	08/20/11 13:18	15.90	40.00	
GW0223	08/02/11 10:41	08/03/11 09:00	08/04/11 15:39	2.17	7.00	08/20/11 13:57	15.93	40.00	
GW8022-RB	08/02/11 08:20	08/03/11 09:00	08/04/11 15:39	2.26	7.00	08/20/11 14:37	15.96	40.00	
GW0224	08/03/11 14:55	08/04/11 09:00	08/09/11 12:57	5.88	7.00	08/16/11 18:21	7.23	40.00	
GW0228	08/03/11 15:10	08/04/11 09:00	08/09/11 12:57	5.87	7.00	08/16/11 19:00	7.25	40.00	
GW0226	08/04/11 14:58	08/05/11 09:00	08/09/11 12:57	4.87	7.00	08/18/11 19:01	9.25	40.00	
GW0227	08/04/11 11:28	08/05/11 09:00	08/09/11 12:57	5.02	7.00	08/20/11 15:16	11.10	40.00	
GW0245	08/05/11 13:24	08/08/11 09:00	08/11/11 11:15	5.87	7.00	08/23/11 07:33	11.85	40.00	
GW0246	08/05/11 13:24	08/08/11 09:00	08/11/11 11:15	5.87	7.00	08/23/11 08:15	11.88	40.00	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21403	Instrument:	GL-GCVOA2
Calibration:	1214002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H21403-CAL1	003F0301.D	07/29/11 13:22
Cal Standard	1H21403-CAL2	004F0401.D	07/29/11 14:02
Cal Standard	1H21403-CAL3	005F0501.D	07/29/11 14:43
Cal Standard	1H21403-CAL4	006F0601.D	07/29/11 15:24
Cal Standard	1H21403-CAL5	007F0701.D	07/29/11 16:05
Cal Standard	1H21403-CAL6	008F0801.D	07/29/11 16:45
Initial Cal Check	1H21403-ICV1	009F0901.D	07/29/11 17:26

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22404	Instrument:	GL-GCVOA2
Calibration:	1214002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22404-CCV1	003F0301.D	08/10/11 15:21
LCS	1H08009-BS1	004F0401.D	08/10/11 16:02
LCS Dup	1H08009-BSD1	005F0501.D	08/10/11 16:42
Blank	1H08009-BLK1	006F0601.D	08/10/11 17:23
GW0192	1108019-01	014F1401.D	08/10/11 22:43
GW0193	1108019-03	015F1501.D	08/10/11 23:24
GW0194	1108019-05	016F1601.D	08/11/11 00:05
Calibration Check	1H22404-CCV2	017F1701.D	08/11/11 00:47
GW0225	1108019-07	018F1801.D	08/11/11 01:28
GW0222	1108046-09	023F2301.D	08/11/11 04:51
GW0223	1108046-11	024F2401.D	08/11/11 05:31
GW8022-RB	1108046-13	025F2501.D	08/11/11 06:10
Calibration Check	1H22404-CCV3	026F2601.D	08/11/11 06:50

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23301	Instrument:	GL-GCVOA2
Calibration:	1233001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H23301-CAL1	003F0301.D	08/16/11 13:16
Cal Standard	1H23301-CAL2	004F0401.D	08/16/11 13:56
Cal Standard	1H23301-CAL3	005F0501.D	08/16/11 14:36
Cal Standard	1H23301-CAL4	006F0601.D	08/16/11 15:16
Cal Standard	1H23301-CAL5	007F0701.D	08/16/11 15:56
Cal Standard	1H23301-CAL6	008F0801.D	08/16/11 16:36
Initial Cal Check	1H23301-ICV1	009F0901.D	08/16/11 17:16

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23302	Instrument:	GL-GCVOA2
Calibration:	1233001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H23302-CCV1	009F0901.D	08/16/11 17:16
LCS	1H12013-BS1	011F1101.D	08/16/11 18:35
Blank	1H12013-BLK1	012F1201.D	08/16/11 19:15
GW0224	1108056-03	014F1401.D	08/16/11 20:35
GW0228	1108056-05	015F1501.D	08/16/11 21:14
GW0226	1108078-01	016F1601.D	08/16/11 21:53
GW0227	1108078-03	017F1701.D	08/16/11 22:32
GW0245	1108097-01	019F1901.D	08/16/11 23:51
GW0246	1108097-03	020F2001.D	08/17/11 00:31
Calibration Check	1H23302-CCV2	025F2501.D	08/17/11 03:48

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	014F1401.D
Sampled:	08/01/11 12:01	Prepared:	08/10/11 16:00	Analyzed:	08/10/11 22:43
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1064	213	50 - 150	*X

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	015F1501.D
Sampled:	08/01/11 12:01	Prepared:	08/10/11 16:00	Analyzed:	08/10/11 23:24
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1037	207	50 - 150	*X

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	016F1601.D
Sampled:	08/01/11 15:10	Prepared:	08/10/11 16:00	Analyzed:	08/11/11 00:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1040	208	50 - 150	*X

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	018F1801.D
Sampled:	08/01/11 14:25	Prepared:	08/10/11 16:00	Analyzed:	08/11/11 01:28
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1041	208	50 - 150	*X

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	023F2301.D
Sampled:	08/02/11 10:41	Prepared:	08/10/11 16:00	Analyzed:	08/11/11 04:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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, Q, X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1020	204	50 - 150	*X

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	024F2401.D
Sampled:	08/02/11 10:41	Prepared:	08/10/11 16:00	Analyzed:	08/11/11 05:31
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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, Q, X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1048	210	50 - 150	*X

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	025F2501.D
Sampled:	08/02/11 08:20	Prepared:	08/10/11 16:00	Analyzed:	08/11/11 06:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 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, Q, X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1007	201	50 - 150	*X

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	014F1401.D
Sampled:	08/03/11 14:55	Prepared:	08/12/11 10:03	Analyzed:	08/16/11 20:35
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H12013 Sequence: 1H23302 Calibration: 1233001 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	0.04966	99.3	50 - 150	

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	015F1501.D
Sampled:	08/03/11 15:10	Prepared:	08/12/11 10:03	Analyzed:	08/16/11 21:14
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H12013 Sequence: 1H23302 Calibration: 1233001 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	0.04958	99.2	50 - 150	

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	016F1601.D
Sampled:	08/04/11 14:58	Prepared:	08/12/11 10:03	Analyzed:	08/16/11 21:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H12013 Sequence: 1H23302 Calibration: 1233001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.576	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05293	106	50 - 150	

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	017F1701.D
Sampled:	08/04/11 11:28	Prepared:	08/12/11 10:03	Analyzed:	08/16/11 22:32
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H12013 Sequence: 1H23302 Calibration: 1233001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.949	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05841	117	50 - 150	

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	019F1901.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 10:03	Analyzed:	08/16/11 23:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H12013 Sequence: 1H23302 Calibration: 1233001 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	0.04949	99.0	50 - 150	

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	020F2001.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 10:03	Analyzed:	08/17/11 00:31
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H12013 Sequence: 1H23302 Calibration: 1233001 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	0.04925	98.5	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H08009	Laboratory ID:	1H08009-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**	**0.8263**	**165**	**50 - 150**

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	**0.5000**	**0.8329**	**167 ***	**0.804**	**50**	**50 - 150**

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12013	Laboratory ID:	1H12013-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	0.5444	109	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H08009 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/10/11 16:00	5.00	5.00
GW0193	1108019-03	08/10/11 16:00	5.00	5.00
GW0194	1108019-05	08/10/11 16:00	5.00	5.00
GW0225	1108019-07	08/10/11 16:00	5.00	5.00
GW0222	1108046-09	08/10/11 16:00	5.00	5.00
GW0223	1108046-11	08/10/11 16:00	5.00	5.00
GW8022-RB	1108046-13	08/10/11 16:00	5.00	5.00
Blank	1H08009-BLK1	08/10/11 16:00	5.00	5.00
LCS	1H08009-BS1	08/10/11 16:00	5.00	5.00
LCS Dup	1H08009-BSD1	08/10/11 16:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H12013 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/12/11 10:03	5.00	5.00
GW0228	1108056-05	08/12/11 10:03	5.00	5.00
GW0226	1108078-01	08/12/11 10:03	5.00	5.00
GW0227	1108078-03	08/12/11 10:03	5.00	5.00
GW0245	1108097-01	08/12/11 10:03	5.00	5.00
GW0246	1108097-03	08/12/11 10:03	5.00	5.00
Blank	1H12013-BLK1	08/12/11 10:03	5.00	5.00
LCS	1H12013-BS1	08/12/11 10:03	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21403	Instrument:	GL-GCVOA2
Calibration:	1214002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11H0021	GRO Cal 0.1ppm	1H21403-CAL1	003F0301.D	07/29/11 13:22
11H0022	GRO Cal 0.2ppm	1H21403-CAL2	004F0401.D	07/29/11 14:02
11H0023	GRO Cal 0.5ppm	1H21403-CAL3	005F0501.D	07/29/11 14:43
11H0024	GRO Cal 1.0ppm	1H21403-CAL4	006F0601.D	07/29/11 15:24
11H0025	GRO Cal 2.0ppm	1H21403-CAL5	007F0701.D	07/29/11 16:05
11H0026	GRO Cal 5.0ppm	1H21403-CAL6	008F0801.D	07/29/11 16:45

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23301	Instrument:	GL-GCVOA2
Calibration:	1233001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11H0439	GRO Cal 0.1 ppm	1H23301-CAL1	003F0301.D	08/16/11 13:16
11H0438	GRO Cal 0.2ppm	1H23301-CAL2	004F0401.D	08/16/11 13:56
11H0440	GRO Cal 0.5ppm	1H23301-CAL3	005F0501.D	08/16/11 14:36
11H0441	GRO Cal 1.0 ppm	1H23301-CAL4	006F0601.D	08/16/11 15:16
11H0442	GRO Cal 2.0 ppm	1H23301-CAL5	007F0701.D	08/16/11 15:56
11H0443	GRO Cal 5.0 ppm	1H23301-CAL6	008F0801.D	08/16/11 16:36

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1214002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/29/11_13:22	7/29/11_16:45

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	1269000	0.2	1011490	0.5	1022668	1	906389	2	828872.5	5	878216.6
Bromofluorobenzene	0.01	608000	0.02	563450	0.05	567580	0.1	468580	0.2	546655	0.5	531680

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1214002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/29/11 13:22	7/29/11 16:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	986106	16.01668	8.109	1.947182E-02			20	
Bromofluorobenzene	547657.5	8.485135	20.20133	8.825558E-03			20	

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1233001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	8/16/11 13:16	8/16/11 16:36

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	1626910	0.2	1395485	0.5	1453130	1	1371356	2	1370237	5	1369390
Bromofluorobenzene	0.055	1260073	0.06	1257550	0.05	1294820	0.07	1256957	0.15	1213507	0.25	1211468

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1233001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	8/16/11 13:16	8/16/11 16:36

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1431085	7.069476	8.137	1.136326E-02			20	
Bromofluorobenzene	1249062	2.538523	20.2325	1.879461E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	009F0901.D	Calibration Date:	07/29/11 13:22
Sequence:	1H21403	Injection Date:	07/29/11
Lab Sample ID:	1H21403-ICV1	Injection Time:	17:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5165	986106	1018658		3.3	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1233001
Lab File ID:	009F0901.D	Calibration Date:	08/16/11 13:16
Sequence:	1H23301	Injection Date:	08/16/11
Lab Sample ID:	1H23301-ICV1	Injection Time:	17:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5628	1431085	1610806		12.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	003F0301.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22404	Injection Date:	08/10/11
Lab Sample ID:	1H22404-CCV1	Injection Time:	15:21

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.7274	986106	1434688		45.5	20 *
Bromofluorobenzene	A	0.05000	0.1114	547657.5	1220200		123	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	017F1701.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22404	Injection Date:	08/11/11
Lab Sample ID:	1H22404-CCV2	Injection Time:	00:47

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.7116	986106	1403360		42.3	20 *
Bromofluorobenzene	A	0.05000	0.1099	547657.5	1203680		120	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	026F2601.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22404	Injection Date:	08/11/11
Lab Sample ID:	1H22404-CCV3	Injection Time:	06:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.6950	986106	1370608		39.0	20 *
Bromofluorobenzene	A	0.05000	0.1076	547657.5	1178860		115	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1233001
Lab File ID:	009F0901.D	Calibration Date:	08/16/11 13:16
Sequence:	1H23302	Injection Date:	08/16/11
Lab Sample ID:	1H23302-CCV1	Injection Time:	17:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5628	1431085	1610806		12.6	20
Bromofluorobenzene	A	0.05000	0.05192	1249062	1296960		3.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1233001
Lab File ID:	025F2501.D	Calibration Date:	08/16/11 13:16
Sequence:	1H23302	Injection Date:	08/17/11
Lab Sample ID:	1H23302-CCV2	Injection Time:	03:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4698	1431085	1344720		-6.0	20
Bromofluorobenzene	A	0.05000	0.05120	1249062	1279140		2.4	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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22404	Instrument:	GL-GCVOA2
		Calibration:	1214002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22404-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 08/10/11 15:21		
Bromofluorobenzene	0.05000	223	80 - 120	20.206	20.206	0.0000	+/-0.210	*
LCS (1H08009-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/10/11 16:02		
Bromofluorobenzene	0.05000	224	50 - 150	20.206	20.206	0.0000	+/-0.210	*
LCS Dup (1H08009-BSD1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/10/11 16:42		
Bromofluorobenzene	0.05000	221	50 - 150	20.206	20.206	0.0000	+/-0.210	*
Blank (1H08009-BLK1) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/10/11 17:23		
Bromofluorobenzene	0.05000	213	50 - 150	20.21	20.206	0.0040	+/-0.210	*
GW0192 (1108019-01) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/10/11 22:43		
Bromofluorobenzene	0.05000	213	50 - 150	20.213	20.206	0.0070	+/-0.210	*
GW0193 (1108019-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 08/10/11 23:24		
Bromofluorobenzene	0.05000	207	50 - 150	20.21	20.206	0.0040	+/-0.210	*
GW0194 (1108019-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 08/11/11 00:05		
Bromofluorobenzene	0.05000	208	50 - 150	20.206	20.206	0.0000	+/-0.210	*
Calibration Check (1H22404-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 08/11/11 00:47		
Bromofluorobenzene	0.05000	220	80 - 120	20.206	20.206	0.0000	+/-0.210	*
GW0225 (1108019-07) mg/L				Lab File ID: 018F1801.D		Analyzed: 08/11/11 01:28		
Bromofluorobenzene	0.05000	208	50 - 150	20.206	20.206	0.0000	+/-0.210	*
GW0222 (1108046-09) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/11/11 04:51		
Bromofluorobenzene	0.05000	204	50 - 150	20.22	20.206	0.0140	+/-0.210	*
GW0223 (1108046-11) mg/L				Lab File ID: 024F2401.D		Analyzed: 08/11/11 05:31		
Bromofluorobenzene	0.05000	210	50 - 150	20.223	20.206	0.0170	+/-0.210	*
GW8022-RB (1108046-13) mg/L				Lab File ID: 025F2501.D		Analyzed: 08/11/11 06:10		
Bromofluorobenzene	0.05000	201	50 - 150	20.226	20.206	0.0200	+/-0.210	*
Calibration Check (1H22404-CCV3) ug/mL				Lab File ID: 026F2601.D		Analyzed: 08/11/11 06:50		
Bromofluorobenzene	0.05000	215	80 - 120	20.226	20.206	0.0200	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23302	Instrument:	GL-GCVOA2
		Calibration:	1233001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H23302-CCV1) ug/mL				Lab File ID: 009F0901.D		Analyzed: 08/16/11 17:16		
Bromofluorobenzene	0.05000	104	80 - 120	20.236	20.236	0.0000	+/-0.210	
LCS (1H12013-BS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 08/16/11 18:35		
Bromofluorobenzene	0.05000	102	50 - 150	20.233	20.236	-0.0030	+/-0.210	
Blank (1H12013-BLK1) mg/L				Lab File ID: 012F1201.D		Analyzed: 08/16/11 19:15		
Bromofluorobenzene	0.05000	101	50 - 150	20.24	20.236	0.0040	+/-0.210	
GW0224 (1108056-03) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/16/11 20:35		
Bromofluorobenzene	0.05000	99.3	50 - 150	20.243	20.236	0.0070	+/-0.210	
GW0228 (1108056-05) mg/L				Lab File ID: 015F1501.D		Analyzed: 08/16/11 21:14		
Bromofluorobenzene	0.05000	99.2	50 - 150	20.243	20.236	0.0070	+/-0.210	
GW0226 (1108078-01) mg/L				Lab File ID: 016F1601.D		Analyzed: 08/16/11 21:53		
Bromofluorobenzene	0.05000	106	50 - 150	20.246	20.236	0.0100	+/-0.210	
GW0227 (1108078-03) mg/L				Lab File ID: 017F1701.D		Analyzed: 08/16/11 22:32		
Bromofluorobenzene	0.05000	117	50 - 150	20.243	20.236	0.0070	+/-0.210	
GW0245 (1108097-01) mg/L				Lab File ID: 019F1901.D		Analyzed: 08/16/11 23:51		
Bromofluorobenzene	0.05000	99.0	50 - 150	20.24	20.236	0.0040	+/-0.210	
GW0246 (1108097-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 08/17/11 00:31		
Bromofluorobenzene	0.05000	98.5	50 - 150	20.24	20.236	0.0040	+/-0.210	
Calibration Check (1H23302-CCV2) ug/mL				Lab File ID: 025F2501.D		Analyzed: 08/17/11 03:48		
Bromofluorobenzene	0.05000	102	80 - 120	20.243	20.236	0.0070	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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
GW0192	08/01/11 12:01	08/02/11 09:00	08/10/11 16:00	N/A	14.00	08/10/11 22:43	9.40	14.00	
GW0193	08/01/11 12:01	08/02/11 09:00	08/10/11 16:00	N/A	14.00	08/10/11 23:24	9.43	14.00	
GW0194	08/01/11 15:10	08/02/11 09:00	08/10/11 16:00	N/A	14.00	08/11/11 00:05	9.33	14.00	
GW0225	08/01/11 14:25	08/02/11 09:00	08/10/11 16:00	N/A	14.00	08/11/11 01:28	9.42	14.00	
GW0222	08/02/11 10:41	08/03/11 09:00	08/10/11 16:00	N/A	14.00	08/11/11 04:51	8.72	14.00	
GW0223	08/02/11 10:41	08/03/11 09:00	08/10/11 16:00	N/A	14.00	08/11/11 05:31	8.74	14.00	
GW8022-RB	08/02/11 08:20	08/03/11 09:00	08/10/11 16:00	N/A	14.00	08/11/11 06:10	8.87	14.00	
GW0224	08/03/11 14:55	08/04/11 09:00	08/12/11 10:03	N/A	14.00	08/16/11 20:35	13.19	14.00	
GW0228	08/03/11 15:10	08/04/11 09:00	08/12/11 10:03	N/A	14.00	08/16/11 21:14	13.21	14.00	
GW0226	08/04/11 14:58	08/05/11 09:00	08/12/11 10:03	N/A	14.00	08/16/11 21:53	12.25	14.00	
GW0227	08/04/11 11:28	08/05/11 09:00	08/12/11 10:03	N/A	14.00	08/16/11 22:32	12.42	14.00	
GW0245	08/05/11 13:24	08/08/11 09:00	08/12/11 10:03	N/A	14.00	08/16/11 23:51	11.39	14.00	
GW0246	08/05/11 13:24	08/08/11 09:00	08/12/11 10:03	N/A	14.00	08/17/11 00:31	11.42	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H08009-BLK1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	08/10/11 17:23
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H08009	Sequence:	1H22404	Calibration:	1214002	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	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1067	213	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H08009-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/10/11 16:02
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H08009	Sequence:	1H22404	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.8263	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1122	224	50 - 150	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H08009-BSD1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/10/11 16:42
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H08009	Sequence:	1H22404	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.8329	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1105	221	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H12013-BLK1
File ID: 012F1201.D
Sampled:
Prepared:
Analyzed: 08/16/11 19:15
Solids:
Preparation: 8015GRO
Dilution:
Batch: 1H12013
Sequence: 1H23302
Calibration: 1233001
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	0.05041	101	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H12013-BS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	08/16/11 18:35
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H12013	Sequence:	1H23302	Calibration:	1233001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5444	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05116	102	50 - 150	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCVOA2

Analyte	MDL	MRL	Units	Method
Gasoline Range Organics (C6-C10)	0.0500	0.150	mg/L	SW8015B GRO

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21510	Instrument:	GL-GCFID2
Calibration:	1215003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H21510-CAL6	003F0301.D	08/01/11 15:40
Cal Standard	1H21510-CAL5	004F0401.D	08/01/11 16:14
Cal Standard	1H21510-CAL4	005F0501.D	08/01/11 16:49
Cal Standard	1H21510-CAL3	006F0601.D	08/01/11 17:23
Cal Standard	1H21510-CAL2	007F0701.D	08/01/11 17:57
Cal Standard	1H21510-CAL1	008F0801.D	08/01/11 18:31
Initial Cal Check	1H21510-ICV1	009F0901.D	08/01/11 19:05

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22704	Instrument:	GL-GCFID2
Calibration:	1215003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22704-CCV1	003F0301.D	08/11/11 15:03
Blank	1H09007-BLK1	004F0401.D	08/11/11 15:31
LCS	1H09007-BS1	005F0501.D	08/11/11 15:59
LCS Dup	1H09007-BSD1	006F0601.D	08/11/11 16:28
GW0224	1108056-03	011F1101.D	08/11/11 18:47
GW0228	1108056-05	012F1201.D	08/11/11 19:15
GW0226	1108078-01	013F1301.D	08/11/11 19:43
Calibration Check	1H22704-CCV2	014F1401.D	08/11/11 20:10
GW0227	1108078-03	015F1501.D	08/11/11 20:38
GW0245	1108097-01	020F2001.D	08/11/11 22:56
GW0246	1108097-03	021F2101.D	08/11/11 23:24
Blank	1H02006-BLK1	022F2201.D	08/11/11 23:52
LCS	1H02006-BS1	023F2301.D	08/12/11 00:20
LCS Dup	1H02006-BSD1	024F2401.D	08/12/11 00:48
Calibration Check	1H22704-CCV3	025F2501.D	08/12/11 01:15
GW0192	1108019-01	030F3001.D	08/12/11 03:34
GW0193	1108019-03	031F3101.D	08/12/11 04:02
GW0194	1108019-05	032F3201.D	08/12/11 04:30
GW0225	1108019-07	033F3301.D	08/12/11 04:57
Calibration Check	1H22704-CCV4	036F3601.D	08/12/11 06:19
GW0222	1108046-09	039F3901.D	08/12/11 07:42
GW0223	1108046-11	040F4001.D	08/12/11 08:10
GW8022-RB	1108046-13	041F4101.D	08/12/11 08:37
Calibration Check	1H22704-CCV5	047F4701.D	08/12/11 11:24

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	030F3001.D
Sampled:	08/01/11 12:01	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 03:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01282	64.1	30 - 140	

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	031F3101.D
Sampled:	08/01/11 12:01	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 04:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01251	62.6	30 - 140	

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	032F3201.D
Sampled:	08/01/11 15:10	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 04:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01304	65.2	30 - 140	

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	033F3301.D
Sampled:	08/01/11 14:25	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 04:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.111	0.111	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01278	57.5	30 - 140	

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	039F3901.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 07:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.111	0.111	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01267	57.0	30 - 140	

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	040F4001.D
Sampled:	08/02/11 10:41	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 08:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.111	0.111	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01350	60.8	30 - 140	

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	041F4101.D
Sampled:	08/02/11 08:20	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 08:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01014	51.7	30 - 140	

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	011F1101.D
Sampled:	08/03/11 14:55	Prepared:	08/09/11 16:37	Analyzed:	08/11/11 18:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09007 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.007611	39.6	30 - 140	

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	012F1201.D
Sampled:	08/03/11 15:10	Prepared:	08/09/11 16:37	Analyzed:	08/11/11 19:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09007 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.009143	45.7	30 - 140	

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	013F1301.D
Sampled:	08/04/11 14:58	Prepared:	08/09/11 16:37	Analyzed:	08/11/11 19:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09007 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.09	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01092	54.6	30 - 140	

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	015F1501.D
Sampled:	08/04/11 11:28	Prepared:	08/09/11 16:37	Analyzed:	08/11/11 20:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09007 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.838	0.0962	0.0962	0.0962	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.006589	34.3	30 - 140	

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	020F2001.D
Sampled:	08/05/11 13:24	Prepared:	08/09/11 16:37	Analyzed:	08/11/11 22:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09007 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01118	58.1	30 - 140	

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	021F2101.D
Sampled:	08/05/11 13:24	Prepared:	08/09/11 16:37	Analyzed:	08/11/11 23:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H09007 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01007	52.4	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02006	Laboratory ID:	1H02006-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	0.5309	53.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.5096	51.0	4.09	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09007	Laboratory ID:	1H09007-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	0.5540	55.4	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.5441	54.4	1.80	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H02006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/04/11 11:47	1,000.00	1.00
GW0193	1108019-03	08/04/11 11:47	1,000.00	1.00
GW0194	1108019-05	08/04/11 11:47	1,000.00	1.00
GW0225	1108019-07	08/04/11 11:47	900.00	1.00
GW0222	1108046-09	08/04/11 11:47	900.00	1.00
GW0223	1108046-11	08/04/11 11:47	900.00	1.00
GW8022-RB	1108046-13	08/04/11 11:47	1,020.00	1.00
Blank	1H02006-BLK1	08/04/11 11:47	1,000.00	1.00
LCS	1H02006-BS1	08/04/11 11:47	1,000.00	1.00
LCS Dup	1H02006-BSD1	08/04/11 11:47	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H09007 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/09/11 16:37	1,040.00	1.00
GW0228	1108056-05	08/09/11 16:37	1,000.00	1.00
GW0226	1108078-01	08/09/11 16:37	1,000.00	1.00
GW0227	1108078-03	08/09/11 16:37	1,040.00	1.00
GW0245	1108097-01	08/09/11 16:37	1,040.00	1.00
GW0246	1108097-03	08/09/11 16:37	1,040.00	1.00
Blank	1H09007-BLK1	08/09/11 16:37	1,000.00	1.00
LCS	1H09007-BS1	08/09/11 16:37	1,000.00	1.00
LCS Dup	1H09007-BSD1	08/09/11 16:37	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21510	Instrument:	GL-GCFID2
Calibration:	1215003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11G0729	DRO ICAL6@100ppm	1H21510-CAL6	003F0301.D	08/01/11 15:40
11G0728	DRO ICAL5@250ppm	1H21510-CAL5	004F0401.D	08/01/11 16:14
11G0727	DRO ICAL4@500ppm	1H21510-CAL4	005F0501.D	08/01/11 16:49
11G0726	DRO ICAL3@1000ppm	1H21510-CAL3	006F0601.D	08/01/11 17:23
11G0725	DRO ICAL2@2500ppm	1H21510-CAL2	007F0701.D	08/01/11 17:57
11G0724	DRO ICAL1@5000ppm	1H21510-CAL1	008F0801.D	08/01/11 18:31

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1215003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	8/1/11_15:40	8/1/11_18:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	2274.896	2500	2507.639	1000	2530.785	500	2655.026	250	2640.648	100	2519.53
Diesel Range Organics (C8-C40)	5000		2500		1000		500		250		100	
o-Terphenyl	250	3079.06	125	3198.432	50	3080.72	25	3554.52	12.5	3522.88	5	3433.2
Diesel Range Organics (C8-C28)	5000		2500		1000		500		250		100	
Diesel Range Organics (C8-C34)	5000		2500		1000		500		250		100	

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1215003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	8/1/11 15:40	8/1/11 18:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	2521.421	5.412449	4.293	2.029058E-02			20	
Diesel Range Organics (C8-C40)							20	
o-Terphenyl	3311.469	6.597064	7.975667	0.1597152			20	
Diesel Range Organics (C8-C28)							20	
Diesel Range Organics (C8-C34)							20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	009F0901.D	Calibration Date:	08/03/11 16:40
Sequence:	1H21510	Injection Date:	08/01/11
Lab Sample ID:	1H21510-ICV1	Injection Time:	19:05

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	500.0	556.9	2521.421	2808.408		11.4	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	003F0301.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/11/11
Lab Sample ID:	1H22704-CCV1	Injection Time:	15:03

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	933.7	2521.421	2354.129		-6.6	20
o-Terphenyl	A	50.00	40.01	3311.469	2649.98		-20.0	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	014F1401.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/11/11
Lab Sample ID:	1H22704-CCV2	Injection Time:	20:10

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	982.4	2521.421	2477.132		-1.8	20
o-Terphenyl	A	50.00	41.12	3311.469	2723.2		-17.8	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	025F2501.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV3	Injection Time:	01:15

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	989.5	2521.421	2494.927		-1.1	20
o-Terphenyl	A	50.00	40.40	3311.469	2675.84		-19.2	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	036F3601.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV4	Injection Time:	06:19

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	998.4	2521.421	2517.405		-0.2	20
o-Terphenyl	A	50.00	40.22	3311.469	2663.42		-19.6	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	047F4701.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV5	Injection Time:	11:24

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1031	2521.421	2600.416		3.1	20
o-Terphenyl	A	50.00	41.90	3311.469	2774.78		-16.2	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22704	Instrument:	GL-GCFID2
		Calibration:	1215003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22704-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/11/11 15:03		
o-Terphenyl	50.00	80.0	80 - 120	7.97	7.97	0.0000	+/-0.050	
Blank (1H09007-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/11/11 15:31		
o-Terphenyl	0.02000	47.0	30 - 140	7.973	7.97	0.0030	+/-0.050	
LCS (1H09007-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/11/11 15:59		
o-Terphenyl	0.02000	63.8	30 - 140	7.963	7.97	-0.0070	+/-0.050	
LCS Dup (1H09007-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/11/11 16:28		
o-Terphenyl	0.02000	61.5	30 - 140	7.96	7.97	-0.0100	+/-0.050	
GW0224 (1108056-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 08/11/11 18:47		
o-Terphenyl	0.01923	39.6	30 - 140	7.956	7.97	-0.0140	+/-0.050	
GW0228 (1108056-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 08/11/11 19:15		
o-Terphenyl	0.02000	45.7	30 - 140	7.956	7.97	-0.0140	+/-0.050	
GW0226 (1108078-01) mg/L				Lab File ID: 013F1301.D		Analyzed: 08/11/11 19:43		
o-Terphenyl	0.02000	54.6	30 - 140	7.97	7.97	0.0000	+/-0.050	
Calibration Check (1H22704-CCV2) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/11/11 20:10		
o-Terphenyl	50.00	82.2	80 - 120	7.95	7.97	-0.0200	+/-0.050	
GW0227 (1108078-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 08/11/11 20:38		
o-Terphenyl	0.01923	34.3	30 - 140	7.95	7.97	-0.0200	+/-0.050	
GW0245 (1108097-01) mg/L				Lab File ID: 020F2001.D		Analyzed: 08/11/11 22:56		
o-Terphenyl	0.01923	58.1	30 - 140	7.953	7.97	-0.0170	+/-0.050	
GW0246 (1108097-03) mg/L				Lab File ID: 021F2101.D		Analyzed: 08/11/11 23:24		
o-Terphenyl	0.01923	52.4	30 - 140	7.96	7.97	-0.0100	+/-0.050	
Blank (1H02006-BLK1) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/11/11 23:52		
o-Terphenyl	0.02000	61.2	30 - 140	7.953	7.97	-0.0170	+/-0.050	
LCS (1H02006-BS1) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/12/11 00:20		
o-Terphenyl	0.02000	54.0	30 - 140	7.943	7.97	-0.0270	+/-0.050	
LCS Dup (1H02006-BSD1) mg/L				Lab File ID: 024F2401.D		Analyzed: 08/12/11 00:48		
o-Terphenyl	0.02000	53.8	30 - 140	7.94	7.97	-0.0300	+/-0.050	
Calibration Check (1H22704-CCV3) mg/L				Lab File ID: 025F2501.D		Analyzed: 08/12/11 01:15		
o-Terphenyl	50.00	80.8	80 - 120	7.94	7.97	-0.0300	+/-0.050	
GW0192 (1108019-01) mg/L				Lab File ID: 030F3001.D		Analyzed: 08/12/11 03:34		
o-Terphenyl	0.02000	64.1	30 - 140	7.95	7.97	-0.0200	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22704	Instrument:	GL-GCFID2
		Calibration:	1215003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0193 (1108019-03) mg/L				Lab File ID: 031F3101.D		Analyzed: 08/12/11 04:02		
o-Terphenyl	0.02000	62.6	30 - 140	7.953	7.97	-0.0170	+/-0.050	
GW0194 (1108019-05) mg/L				Lab File ID: 032F3201.D		Analyzed: 08/12/11 04:30		
o-Terphenyl	0.02000	65.2	30 - 140	7.95	7.97	-0.0200	+/-0.050	
GW0225 (1108019-07) mg/L				Lab File ID: 033F3301.D		Analyzed: 08/12/11 04:57		
o-Terphenyl	0.02222	57.5	30 - 140	7.953	7.97	-0.0170	+/-0.050	
Calibration Check (1H22704-CCV4) mg/L				Lab File ID: 036F3601.D		Analyzed: 08/12/11 06:19		
o-Terphenyl	50.00	80.4	80 - 120	7.943	7.97	-0.0270	+/-0.050	
GW0222 (1108046-09) mg/L				Lab File ID: 039F3901.D		Analyzed: 08/12/11 07:42		
o-Terphenyl	0.02222	57.0	30 - 140	7.96	7.97	-0.0100	+/-0.050	
GW0223 (1108046-11) mg/L				Lab File ID: 040F4001.D		Analyzed: 08/12/11 08:10		
o-Terphenyl	0.02222	60.8	30 - 140	7.963	7.97	-0.0070	+/-0.050	
GW8022-RB (1108046-13) mg/L				Lab File ID: 041F4101.D		Analyzed: 08/12/11 08:37		
o-Terphenyl	0.01961	51.7	30 - 140	7.963	7.97	-0.0070	+/-0.050	
Calibration Check (1H22704-CCV5) mg/L				Lab File ID: 047F4701.D		Analyzed: 08/12/11 11:24		
o-Terphenyl	50.00	83.8	80 - 120	7.956	7.97	-0.0140	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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
GW0192	08/01/11 12:01	08/02/11 09:00	08/04/11 11:47	2.95	7.00	08/12/11 03:34	7.66	40.00	
GW0193	08/01/11 12:01	08/02/11 09:00	08/04/11 11:47	2.95	7.00	08/12/11 04:02	7.68	40.00	
GW0194	08/01/11 15:10	08/02/11 09:00	08/04/11 11:47	2.82	7.00	08/12/11 04:30	7.70	40.00	
GW0225	08/01/11 14:25	08/02/11 09:00	08/04/11 11:47	2.85	7.00	08/12/11 04:57	7.72	40.00	
GW0222	08/02/11 10:41	08/03/11 09:00	08/04/11 11:47	2.00	7.00	08/12/11 07:42	7.83	40.00	
GW0223	08/02/11 10:41	08/03/11 09:00	08/04/11 11:47	2.00	7.00	08/12/11 08:10	7.85	40.00	
GW8022-RB	08/02/11 08:20	08/03/11 09:00	08/04/11 11:47	2.10	7.00	08/12/11 08:37	7.87	40.00	
GW0224	08/03/11 14:55	08/04/11 09:00	08/09/11 16:37	6.03	7.00	08/11/11 18:47	2.09	40.00	
GW0228	08/03/11 15:10	08/04/11 09:00	08/09/11 16:37	6.02	7.00	08/11/11 19:15	2.11	40.00	
GW0226	08/04/11 14:58	08/05/11 09:00	08/09/11 16:37	5.03	7.00	08/11/11 19:43	2.13	40.00	
GW0227	08/04/11 11:28	08/05/11 09:00	08/09/11 16:37	5.17	7.00	08/11/11 20:38	2.17	40.00	
GW0245	08/05/11 13:24	08/08/11 09:00	08/09/11 16:37	4.09	7.00	08/11/11 22:56	2.26	40.00	
GW0246	08/05/11 13:24	08/08/11 09:00	08/09/11 16:37	4.09	7.00	08/11/11 23:24	2.28	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02006-BLK1	File ID:	022F2201.D
Sampled:		Prepared:		Analyzed:	08/11/11 23:52
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H02006	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01225	61.2	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02006-BS1	File ID:	023F2301.D
Sampled:		Prepared:		Analyzed:	08/12/11 00:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H02006	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5309	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01079	54.0	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02006-BSD1	File ID:	024F2401.D
Sampled:		Prepared:		Analyzed:	08/12/11 00:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H02006	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5096	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01077	53.8	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09007-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/11/11 15:31
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H09007	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.009404	47.0	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09007-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/11/11 15:59
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H09007	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5540	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01276	63.8	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09007-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	08/11/11 16:28
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H09007	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5441	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01231	61.5	30 - 140	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCFID2

Analyte	MDL	MRL	Units	Method
Diesel Range Organics (C10-C28)	0.100	0.100	mg/L	SW8015B DRO

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21706	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H21706-CAL1	002R0101.D	07/24/11 05:47
Cal Standard	1H21706-CAL1	002F0101.D	07/24/11 05:47
Cal Standard	1H21706-CAL2	003R0101.D	07/24/11 06:08
Cal Standard	1H21706-CAL2	003F0101.D	07/24/11 06:08
Cal Standard	1H21706-CAL3	004R0101.D	07/24/11 06:29
Cal Standard	1H21706-CAL3	004F0101.D	07/24/11 06:29
Cal Standard	1H21706-CAL4	005R0101.D	07/24/11 06:50
Cal Standard	1H21706-CAL4	005F0101.D	07/24/11 06:50
Cal Standard	1H21706-CAL5	006R0101.D	07/24/11 07:11
Cal Standard	1H21706-CAL5	006F0101.D	07/24/11 07:11
Cal Standard	1H21706-CAL6	007R0101.D	07/24/11 07:33
Cal Standard	1H21706-CAL6	007F0101.D	07/24/11 07:33
Initial Cal Check	1H21706-ICV1	008R0101.D	07/24/11 07:54
Initial Cal Check	1H21706-ICV1	008F0101.D	07/24/11 07:54

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22907	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22907-CCV1	002R0101.D	08/11/11 19:56
Calibration Check	1H22907-CCV1	002F0101.D	08/11/11 19:56
Blank	1H11016-BLK1	003F0101.D	08/11/11 20:17
LCS	1H11016-BS1	004F0101.D	08/11/11 20:38
LCS	1H11016-BS1	004R0101.D	08/11/11 20:38
Calibration Check	1H22907-CCV2	013R0101.D	08/11/11 23:50
Calibration Check	1H22907-CCV2	013F0101.D	08/11/11 23:50
GW0192	1108019-01	019R0101.D	08/12/11 01:59
GW0193	1108019-03	020F0101.D	08/12/11 02:21
GW0193	1108019-03	020R0101.D	08/12/11 02:21
GW0194	1108019-05	021R0101.D	08/12/11 02:42
GW0225	1108019-07	022R0101.D	08/12/11 03:04
Calibration Check	1H22907-CCV3	024F0101.D	08/12/11 03:46
Calibration Check	1H22907-CCV3	024R0101.D	08/12/11 03:46
GW0222	1108046-09	026R0101.D	08/12/11 04:29
GW0222	1108046-09	026F0101.D	08/12/11 04:29
GW0223	1108046-11	027R0101.D	08/12/11 04:49
GW0223	1108046-11	027F0101.D	08/12/11 04:49
GW8022-RB	1108046-13	028R0101.D	08/12/11 05:11
Calibration Check	1H22907-CCV4	029R0101.D	08/12/11 05:32
Calibration Check	1H22907-CCV4	029F0101.D	08/12/11 05:32

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22910	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22910-CCV1	002R0101.D	08/12/11 14:48
Calibration Check	1H22910-CCV1	002F0101.D	08/12/11 14:48
Blank	1H12014-BLK1	003R0101.D	08/12/11 15:09
LCS	1H12014-BS1	004R0101.D	08/12/11 15:31
LCS	1H12014-BS1	004F0101.D	08/12/11 15:31
GW0224	1108056-03	010F0101.D	08/12/11 17:41
GW0224	1108056-03	010R0101.D	08/12/11 17:41
GW0228	1108056-05	011R0101.D	08/12/11 18:02
GW0226	1108078-01	012F0101.D	08/12/11 18:24
GW0226	1108078-01	012R0101.D	08/12/11 18:24
Calibration Check	1H22910-CCV2	013R0101.D	08/12/11 18:45
Calibration Check	1H22910-CCV2	013F0101.D	08/12/11 18:45
GW0227	1108078-03	014R0101.D	08/12/11 19:06
GW0227	1108078-03	014F0101.D	08/12/11 19:06
GW0245	1108097-01	015R0101.D	08/12/11 19:27
GW0246	1108097-03	016R0101.D	08/12/11 19:48
GW0246	1108097-03	016F0101.D	08/12/11 19:48
Calibration Check	1H22910-CCV3	024R0101.D	08/12/11 22:37
Calibration Check	1H22910-CCV3	024F0101.D	08/12/11 22:37

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01	File ID:	019R0101.D
Sampled:	08/01/11 12:01	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 01:59
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00931	0.0186	0.0279	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03	File ID:	020F0101.D
Sampled:	08/01/11 12:01	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 02:21
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00939	0.0188	0.0282	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05	File ID:	021R0101.D
Sampled:	08/01/11 15:10	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 02:42
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00936	0.0187	0.0281	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07	File ID:	022R0101.D
Sampled:	08/01/11 14:25	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 03:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 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	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09	File ID:	026F0101.D
Sampled:	08/02/11 10:41	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 04:29
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.578	0.00940	0.0188	0.0282	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11	File ID:	027F0101.D
Sampled:	08/02/11 10:41	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 04:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.616	0.00941	0.0188	0.0282	X

* Values outside of QC limits

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13	File ID:	028R0101.D
Sampled:	08/02/11 08:20	Prepared:	08/11/11 16:19	Analyzed:	08/12/11 05:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 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	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03	File ID:	010F0101.D
Sampled:	08/03/11 14:55	Prepared:	08/12/11 10:06	Analyzed:	08/12/11 17:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.523	0.00948	0.0190	0.0284	XQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05	File ID:	011R0101.D
Sampled:	08/03/11 15:10	Prepared:	08/12/11 10:06	Analyzed:	08/12/11 18:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00951	0.0190	0.0285	UXQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01	File ID:	012R0101.D
Sampled:	08/04/11 14:58	Prepared:	08/12/11 10:06	Analyzed:	08/12/11 18:24
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.142	0.00952	0.0190	0.0286	P

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03	File ID:	014F0101.D
Sampled:	08/04/11 11:28	Prepared:	08/12/11 10:06	Analyzed:	08/12/11 19:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.470	0.00946	0.0189	0.0284	XQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01	File ID:	015R0101.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 10:06	Analyzed:	08/12/11 19:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00942	0.0188	0.0283	UXQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03	File ID:	016F0101.D
Sampled:	08/05/11 13:24	Prepared:	08/12/11 10:06	Analyzed:	08/12/11 19:48
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	UXQ,

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11016	Laboratory ID:	1H11016-BS1
Preparation:	EDB	Initial/Final:	32.64 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5362	0.6575	123	70 - 130
1,2-Dibromoethane [2C]	0.5362	0.5143	95.9	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12014	Laboratory ID:	1H12014-BS1
Preparation:	EDB	Initial/Final:	33.19 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	**0.5273**	**0.7136**	**135**	**70 - 130**
1,2-Dibromoethane [2C]	0.5273	0.5418	103	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H11016 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/11/11 16:19	37.60	35.00
GW0193	1108019-03	08/11/11 16:19	37.28	35.00
GW0194	1108019-05	08/11/11 16:19	37.40	35.00
GW0225	1108019-07	08/11/11 16:19	36.71	35.00
GW0222	1108046-09	08/11/11 16:19	37.23	35.00
GW0223	1108046-11	08/11/11 16:19	37.21	35.00
GW8022-RB	1108046-13	08/11/11 16:19	37.02	35.00
Blank	1H11016-BLK1	08/11/11 16:19	32.39	35.00
LCS	1H11016-BS1	08/11/11 16:19	32.64	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H12014 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/12/11 10:06	36.91	35.00
GW0228	1108056-05	08/12/11 10:06	36.81	35.00
GW0226	1108078-01	08/12/11 10:06	36.75	35.00
GW0227	1108078-03	08/12/11 10:06	36.98	35.00
GW0245	1108097-01	08/12/11 10:06	37.14	35.00
GW0246	1108097-03	08/12/11 10:06	36.92	35.00
Blank	1H12014-BLK1	08/12/11 10:06	32.44	35.00
LCS	1H12014-BS1	08/12/11 10:06	33.19	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H11016-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	08/11/11 16:19	Analyzed:	08/11/11 20:17
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0108	0.0216	0.0324	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H12014-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	08/12/11 10:06	Analyzed:	08/12/11 15:09
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0108	0.0216	0.0324	UX

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21706	Instrument:	GL-ECD2
Calibration:	1217001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11G0585	EDB ICAL 1 (0.03ppb)	1H21706-CAL1	002R0101.D	07/24/11 05:47
11G0585	EDB ICAL 1 (0.03ppb)	1H21706-CAL1	002F0101.D	07/24/11 05:47
11G0586	EDB ICAL 2 (0.05ppb)	1H21706-CAL2	003R0101.D	07/24/11 06:08
11G0586	EDB ICAL 2 (0.05ppb)	1H21706-CAL2	003F0101.D	07/24/11 06:08
11G0587	EDB ICAL 3 (0.10ppb)	1H21706-CAL3	004R0101.D	07/24/11 06:29
11G0587	EDB ICAL 3 (0.10ppb)	1H21706-CAL3	004F0101.D	07/24/11 06:29
11G0588	EDB ICAL 4 (0.20ppb)	1H21706-CAL4	005R0101.D	07/24/11 06:50
11G0588	EDB ICAL 4 (0.20ppb)	1H21706-CAL4	005F0101.D	07/24/11 06:50
11G0589	EDB ICAL 5 (0.50ppb)/CCV	1H21706-CAL5	006R0101.D	07/24/11 07:11
11G0589	EDB ICAL 5 (0.50ppb)/CCV	1H21706-CAL5	006F0101.D	07/24/11 07:11
11G0590	EDB ICAL 6 (1.00ppb)	1H21706-CAL6	007R0101.D	07/24/11 07:33
11G0590	EDB ICAL 6 (1.00ppb)	1H21706-CAL6	007F0101.D	07/24/11 07:33

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1217001	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/24/11 5:47	7/24/11 7:33

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.03	105200	0.05	73940	0.1	44320	0.2	29740	0.5	19872	1	16148
1,2-Dibromoethane [2C]	0.03	47700	0.05	45320	0.1	42100	0.2	40220	0.5	37742	1	34697
1,2-Dibromo-3-chloropropane	0.03	31633.33	0.05	31160	0.1	30840	0.2	30265	0.5	26672	1	23374
1,2-Dibromo-3-chloropropane [2C]	0.03	66300	0.05	86800	0.1	71910	0.2	75020	0.5	75158	1	73227

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1217001	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/24/11 5:47	7/24/11 7:33

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	48203.33	72.44401	1.7675	0.1671121	0.9980929		0.995	
1,2-Dibromoethane [2C]	41296.5	11.62254	0.6815	0.2415891			20	
1,2-Dibromo-3-chloropropane	28990.72	11.29974	7.396	1.722382E-02			20	
1,2-Dibromo-3-chloropropane [2C]	74735.83	9.020224	4.6435	1.905185E-02			20	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	008F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H21706	Injection Date:	07/24/11
Lab Sample ID:	1H21706-ICV1	Injection Time:	07:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5673	48203.33	21176		13.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4368	41296.5	36074		-12.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	002F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22907	Injection Date:	08/11/11
Lab Sample ID:	1H22907-CCV1	Injection Time:	19:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5485	48203.33	20678		9.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.4758	41296.5	39298		-4.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	013F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22907	Injection Date:	08/11/11
Lab Sample ID:	1H22907-CCV2	Injection Time:	23:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6271	48203.33	22762		25.4	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.4519	41296.5	37324		-9.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	024F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22907	Injection Date:	08/12/11
Lab Sample ID:	1H22907-CCV3	Injection Time:	03:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5872	48203.33	21702		17.4	20
1,2-Dibromoethane [2C]	A	0.5000	0.4163	41296.5	34382		-16.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	029F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22907	Injection Date:	08/12/11
Lab Sample ID:	1H22907-CCV4	Injection Time:	05:32

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6600	48203.33	23634		32.0	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.4902	41296.5	40486		-2.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	002F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22910	Injection Date:	08/12/11
Lab Sample ID:	1H22910-CCV1	Injection Time:	14:48

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6920	48203.33	24482		38.4	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.5001	41296.5	41308		0.03	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_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	013F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22910	Injection Date:	08/12/11
Lab Sample ID:	1H22910-CCV2	Injection Time:	18:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6282	48203.33	22792		25.6	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.4917	41296.5	40610		-1.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	024F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22910	Injection Date:	08/12/11
Lab Sample ID:	1H22910-CCV3	Injection Time:	22:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6350	48203.33	22970		27.0	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.5098	41296.5	42102		2.0	20

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

* Values outside of QC limits

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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
GW0192	08/01/11 12:01	08/02/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 01:59	10.54	14.00	
GW0193	08/01/11 12:01	08/02/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 02:21	10.56	14.00	
GW0194	08/01/11 15:10	08/02/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 02:42	10.44	14.00	
GW0225	08/01/11 14:25	08/02/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 03:04	10.49	14.00	
GW0222	08/02/11 10:41	08/03/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 04:29	9.70	14.00	
GW0223	08/02/11 10:41	08/03/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 04:49	9.71	14.00	
GW8022-RB	08/02/11 08:20	08/03/11 09:00	08/11/11 16:19	N/A	14.00	08/12/11 05:11	9.83	14.00	
GW0224	08/03/11 14:55	08/04/11 09:00	08/12/11 10:06	N/A	14.00	08/12/11 17:41	9.07	14.00	
GW0228	08/03/11 15:10	08/04/11 09:00	08/12/11 10:06	N/A	14.00	08/12/11 18:02	9.08	14.00	
GW0226	08/04/11 14:58	08/05/11 09:00	08/12/11 10:06	N/A	14.00	08/12/11 18:24	8.10	14.00	
GW0227	08/04/11 11:28	08/05/11 09:00	08/12/11 10:06	N/A	14.00	08/12/11 19:06	8.28	14.00	
GW0245	08/05/11 13:24	08/08/11 09:00	08/12/11 10:06	N/A	14.00	08/12/11 19:27	7.21	14.00	
GW0246	08/05/11 13:24	08/08/11 09:00	08/12/11 10:06	N/A	14.00	08/12/11 19:48	7.23	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 20:38
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.6575	0.0107	0.0214	0.0322	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 20:38
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5143	0.0107	0.0214	0.0322	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H12014-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	08/12/11 15:31
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H12014	Sequence:	1H22910	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.7136	0.0105	0.0211	0.0316	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_022
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H12014-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/12/11 15:31
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H12014 Sequence: 1H22910 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5418	0.0105	0.0211	0.0316	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0222

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1108046-09

Date(s) Analyzed: 08/12/2011 08/12/2011

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	1.77	1.74	1.80	0.578	
	2	0.69	0.65	0.71	0.431	29

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0223

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1108046-11

Date(s) Analyzed: 08/12/2011 08/12/2011

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	1.77	1.74	1.80	0.616	
	2	0.69	0.65	0.71	0.509	19

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H11016-BS1 Date(s) Analyzed: 08/11/2011 08/11/2011

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	1.77	1.74	1.80	0.6575	
	2	0.69	0.65	0.71	0.5143	24

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0224

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1108056-03 Date(s) Analyzed: 08/12/2011 08/12/2011

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	1.76	1.74	1.80	0.523	
	2	0.69	0.65	0.71	0.382	31

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0226

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1108078-01

Date(s) Analyzed: 08/12/2011 08/12/2011

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	1.76	1.74	1.80	0.0942	
	2	0.69	0.65	0.71	0.142	41

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0227

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1108078-03

Date(s) Analyzed: 08/12/2011 08/12/2011

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	1.77	1.74	1.80	0.470	
	2	0.69	0.65	0.71	0.349	30

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H12014-BS1

Date(s) Analyzed: 08/12/2011 08/12/2011

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	1.76	1.74	1.80	0.7136	
	2	0.69	0.65	0.71	0.5418	27

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_022

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

Matrix: Water **Instrument:** GL-ECD2

Analyte	MDL	MRL	Units	Method
1,2-Dibromoethane	0.0100	0.0300	ug/L	SW8011
1,2-Dibromoethane [2C]	0.0100	0.0300	ug/L	SW8011

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01
Sampled:	08/01/11 12:01	Received:	08/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36600	1000	2000	5000	1		SW6010B	1H09002	08/11/11 15:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 15:52
7439-95-4	Magnesium	4780	1000	3000	5000	1	J	SW6010B	1H09002	08/11/11 15:52
7440-09-7	Potassium	2150	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 15:52
7440-23-5	Sodium	22800	1000	3000	5000	1		SW6010B	1H09002	08/11/11 15:52

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-02
Sampled:	08/01/11 12:01	Received:	08/02/11 09:00
% 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	1H10007	08/10/11 23:59
7439-96-5	Manganese (dissolved)	7.33	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 23:59

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03
Sampled:	08/01/11 12:01	Received:	08/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35600	1000	2000	5000	1		SW6010B	1H09002	08/11/11 15:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 15:57
7439-95-4	Magnesium	4630	1000	3000	5000	1	J	SW6010B	1H09002	08/11/11 15:57
7440-09-7	Potassium	2090	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 15:57
7440-23-5	Sodium	22300	1000	3000	5000	1		SW6010B	1H09002	08/11/11 15:57

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-04
Sampled:	08/01/11 12:01	Received:	08/02/11 09:00
% 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	1H10007	08/11/11 00:03
7439-96-5	Manganese (dissolved)	7.15	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/11/11 00:03

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05
Sampled:	08/01/11 15:10	Received:	08/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45100	1000	2000	5000	1		SW6010B	1H09002	08/11/11 16:01
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 16:01
7439-95-4	Magnesium	5950	1000	3000	5000	1		SW6010B	1H09002	08/11/11 16:01
7440-09-7	Potassium	2500	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 16:01
7440-23-5	Sodium	25500	1000	3000	5000	1		SW6010B	1H09002	08/11/11 16:01

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-06
Sampled:	08/01/11 15:10	Received:	08/02/11 09:00
% 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	1H10007	08/11/11 00:08
7439-96-5	Manganese (dissolved)	8.48	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/11/11 00:08

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-07
Sampled:	08/01/11 14:25	Received:	08/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39000	1000	2000	5000	1		SW6010B	1H09002	08/11/11 16:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 16:06
7439-95-4	Magnesium	5000	1000	3000	5000	1		SW6010B	1H09002	08/11/11 16:06
7440-09-7	Potassium	2510	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 16:06
7440-23-5	Sodium	25200	1000	3000	5000	1		SW6010B	1H09002	08/11/11 16:06

ANALYSIS DATA SHEET

GW0225

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-08
Sampled:	08/01/11 14:25	Received:	08/02/11 09:00
% 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	1H10007	08/11/11 00:12
7439-96-5	Manganese (dissolved)	26.7	3.00	6.00	15.0	1		SW6010B	1H10007	08/11/11 00:12

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09
Sampled:	08/02/11 10:41	Received:	08/03/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47600	1000	2000	5000	1		SW6010B	1H09003	08/10/11 16:11
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09003	08/10/11 16:11
7439-95-4	Magnesium	6280	1000	3000	5000	1		SW6010B	1H09003	08/10/11 16:11
7440-09-7	Potassium	2380	1000	3000	5000	1	JX	SW6010B	1H09003	08/10/11 16:11
7440-23-5	Sodium	25500	1000	3000	5000	1		SW6010B	1H09003	08/10/11 16:11

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-10
Sampled:	08/02/11 10:41	Received:	08/03/11 09:00
% 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	1H11006	08/11/11 20:35
7439-96-5	Manganese (dissolved)	19.2	3.00	6.00	15.0	1		SW6010B	1H11006	08/11/11 20:35

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11
Sampled:	08/02/11 10:41	Received:	08/03/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49300	1000	2000	5000	1		SW6010B	1H09003	08/10/11 16:15
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09003	08/10/11 16:15
7439-95-4	Magnesium	6470	1000	3000	5000	1		SW6010B	1H09003	08/10/11 16:15
7440-09-7	Potassium	2490	1000	3000	5000	1	J	SW6010B	1H09003	08/10/11 16:15
7440-23-5	Sodium	26600	1000	3000	5000	1		SW6010B	1H09003	08/10/11 16:15

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-12
Sampled:	08/02/11 10:41	Received:	08/03/11 09:00
% 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	1H11006	08/11/11 20:40
7439-96-5	Manganese (dissolved)	19.1	3.00	6.00	15.0	1		SW6010B	1H11006	08/11/11 20:40

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13
Sampled:	08/02/11 08:20	Received:	08/03/11 09:00
% 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	1H09003	08/10/11 16:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09003	08/10/11 16:33
7439-95-4	Magnesium		1000	3000	5000	1	U	SW6010B	1H09003	08/10/11 16:33
7440-09-7	Potassium		1000	3000	5000	1	U	SW6010B	1H09003	08/10/11 16:33
7440-23-5	Sodium		1000	3000	5000	1	U	SW6010B	1H09003	08/10/11 16:33

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-14
Sampled:	08/02/11 08:20	Received:	08/03/11 09:00
% 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	1H11006	08/11/11 20:44
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1H11006	08/11/11 20:44

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03
Sampled:	08/03/11 14:55	Received:	08/04/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50400	1000	2000	5000	1		SW6010B	1H09002	08/11/11 16:47
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 16:47
7439-95-4	Magnesium	6400	1000	3000	5000	1		SW6010B	1H09002	08/11/11 16:47
7440-09-7	Potassium	2830	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 16:47
7440-23-5	Sodium	27200	1000	3000	5000	1		SW6010B	1H09002	08/11/11 16:47

ANALYSIS DATA SHEET

GW0224

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 08/03/11 14:55
% Solids: 0.00

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1108056-04
Received: 08/04/11 09:00

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	1H11006	08/11/11 21:20
7439-96-5	Manganese (dissolved)	6.50	3.00	6.00	15.0	1	J	SW6010B	1H11006	08/11/11 21:20

ANALYSIS DATA SHEET

GW0228

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 08/03/11 15:10
% Solids: 0.00

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1108056-05
Received: 08/04/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36400	1000	2000	5000	1		SW6010B	1H09002	08/11/11 17:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 17:04
7439-95-4	Magnesium	4550	1000	3000	5000	1	J	SW6010B	1H09002	08/11/11 17:04
7440-09-7	Potassium	2500	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 17:04
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	1H09002	08/11/11 17:04

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-06
Sampled:	08/03/11 15:10	Received:	08/04/11 09:00
% 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	1H11006	08/11/11 21:25
7439-96-5	Manganese (dissolved)	13.1	3.00	6.00	15.0	1	J	SW6010B	1H11006	08/11/11 21:25

ANALYSIS DATA SHEET

GW0226

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 08/04/11 14:58
% Solids: 0.00

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1108078-01
Received: 08/05/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	61400	1000	2000	5000	1		SW6010B	1H09002	08/11/11 17:36
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 17:36
7439-95-4	Magnesium	7770	1000	3000	5000	1		SW6010B	1H09002	08/11/11 17:36
7440-09-7	Potassium	3420	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 17:36
7440-23-5	Sodium	29100	1000	3000	5000	1		SW6010B	1H09002	08/11/11 17:36

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-02
Sampled:	08/04/11 14:58	Received:	08/05/11 09:00
% 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	1H11006	08/11/11 21:30
7439-96-5	Manganese (dissolved)	23.2	3.00	6.00	15.0	1		SW6010B	1H11006	08/11/11 21:30

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03
Sampled:	08/04/11 11:28	Received:	08/05/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58200	1000	2000	5000	1		SW6010B	1H09002	08/11/11 17:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H09002	08/11/11 17:40
7439-95-4	Magnesium	7270	1000	3000	5000	1		SW6010B	1H09002	08/11/11 17:40
7440-09-7	Potassium	3340	1000	3000	5000	1	JX	SW6010B	1H09002	08/11/11 17:40
7440-23-5	Sodium	28600	1000	3000	5000	1		SW6010B	1H09002	08/11/11 17:40

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-04
Sampled:	08/04/11 11:28	Received:	08/05/11 09:00
% 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	1H11006	08/11/11 21:34
7439-96-5	Manganese (dissolved)	41.5	3.00	6.00	15.0	1		SW6010B	1H11006	08/11/11 21:34

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01
Sampled:	08/05/11 13:24	Received:	08/08/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36200	1000	2000	5000	1		SW6010B	1H16005	08/17/11 17:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H16005	08/17/11 17:06
7439-95-4	Magnesium	4500	1000	3000	5000	1	J	SW6010B	1H16005	08/17/11 17:06
7440-09-7	Potassium	2300	1000	3000	5000	1	J	SW6010B	1H16005	08/17/11 17:06
7440-23-5	Sodium	26000	1000	3000	5000	1		SW6010B	1H16005	08/17/11 17:06

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-02
Sampled:	08/05/11 13:24	Received:	08/08/11 09:00
% 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	1H22916	08/22/11 17:50
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1H22916	08/22/11 17:50

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03
Sampled:	08/05/11 13:24	Received:	08/08/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35800	1000	2000	5000	1		SW6010B	1H16005	08/17/11 17:10
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H16005	08/17/11 17:10
7439-95-4	Magnesium	4510	1000	3000	5000	1	J	SW6010B	1H16005	08/17/11 17:10
7440-09-7	Potassium	2230	1000	3000	5000	1	J	SW6010B	1H16005	08/17/11 17:10
7440-23-5	Sodium	25600	1000	3000	5000	1		SW6010B	1H16005	08/17/11 17:10

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-04
Sampled:	08/05/11 13:24	Received:	08/08/11 09:00
% 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	1H22916	08/22/11 17:54
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1H22916	08/22/11 17:54

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1224003
Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22408-ICV1	Calcium	50000	51050	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Lead	1000	982.2	98.2	ug/L	+/- 10.00%
	Magnesium	50000	49650	99.3	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1020	102	ug/L	+/- 10.00%
	Potassium	10000	9009	90.1	ug/L	+/- 10.00%
	Sodium	50000	50030	100	ug/L	+/- 10.00%
1H22408-CCV1	Calcium	50000	52330	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10560	106	ug/L	+/- 10.00%
	Lead	1000	949.8	95.0	ug/L	+/- 10.00%
	Magnesium	50000	49700	99.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1073	107	ug/L	+/- 10.00%
	Potassium	10000	10330	103	ug/L	+/- 10.00%
	Sodium	50000	50950	102	ug/L	+/- 10.00%
1H22408-CCV2	Calcium	50000	50110	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10140	101	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	49330	98.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	991.4	99.1	ug/L	+/- 10.00%
	Potassium	10000	9615	96.2	ug/L	+/- 10.00%
	Sodium	50000	49510	99.0	ug/L	+/- 10.00%
1H22408-CCV3	Calcium	50000	51780	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Lead	1000	961.8	96.2	ug/L	+/- 10.00%
	Magnesium	50000	49310	98.6	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1060	106	ug/L	+/- 10.00%
	Potassium	10000	10240	102	ug/L	+/- 10.00%
	Sodium	50000	50760	102	ug/L	+/- 10.00%
1H22408-CCV4	Calcium	50000	52640	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10610	106	ug/L	+/- 10.00%
	Lead	1000	944.5	94.5	ug/L	+/- 10.00%
	Magnesium	50000	49840	99.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1091	109	ug/L	+/- 10.00%
	Potassium	10000	10460	105	ug/L	+/- 10.00%
	Sodium	50000	51320	103	ug/L	+/- 10.00%
1H22408-CCV8	Calcium	50000	52450	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10620	106	ug/L	+/- 10.00%
	Lead	1000	957.3	95.7	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_022
Project: Kirtland AFB 2011
Calibration: 1224003
Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22408-CCV8	Magnesium	50000	50350	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1062	106	ug/L	+/- 10.00%
	Potassium	10000	10310	103	ug/L	+/- 10.00%
	Sodium	50000	51250	102	ug/L	+/- 10.00%
1H22408-CCV9	Calcium	50000	50820	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10410	104	ug/L	+/- 10.00%
	Lead	1000	991.5	99.2	ug/L	+/- 10.00%
	Magnesium	50000	49910	99.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1005	100	ug/L	+/- 10.00%
	Potassium	10000	9737	97.4	ug/L	+/- 10.00%
	Sodium	50000	49980	100	ug/L	+/- 10.00%
1H22408-CCVA	Calcium	50000	51540	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10630	106	ug/L	+/- 10.00%
	Lead	1000	991.4	99.1	ug/L	+/- 10.00%
	Magnesium	50000	50560	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1028	103	ug/L	+/- 10.00%
	Potassium	10000	9864	98.6	ug/L	+/- 10.00%
	Sodium	50000	50580	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_022
Project: Kirtland AFB 2011
Calibration: 1224004
Sequence: 1H22409

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22409-ICV1	Calcium	50000	52520	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10680	107	ug/L	+/- 10.00%
	Lead	1000	968.9	96.9	ug/L	+/- 10.00%
	Magnesium	50000	50340	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1058	106	ug/L	+/- 10.00%
	Potassium	10000	9752	97.5	ug/L	+/- 10.00%
	Sodium	50000	51770	104	ug/L	+/- 10.00%
1H22409-CCV1	Calcium	50000	51960	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Lead	1000	968.2	96.8	ug/L	+/- 10.00%
	Magnesium	50000	49500	99.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1051	105	ug/L	+/- 10.00%
	Potassium	10000	10640	106	ug/L	+/- 10.00%
	Sodium	50000	51620	103	ug/L	+/- 10.00%
1H22409-CCV2	Calcium	50000	53680	107	ug/L	+/- 10.00%
	Iron (dissolved)	**10000**	**11060**	**111**	**ug/L**	+/- 10.00%
	Lead	1000	961.7	96.2	ug/L	+/- 10.00%
	Magnesium	50000	51120	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1095	109	ug/L	+/- 10.00%
	Potassium	10000	10920	109	ug/L	+/- 10.00%
	Sodium	50000	52760	106	ug/L	+/- 10.00%
1H22409-CCV3	Calcium	50000	53630	107	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10730	107	ug/L	+/- 10.00%
	Lead	1000	930.2	93.0	ug/L	+/- 10.00%
	Magnesium	50000	49750	99.5	ug/L	+/- 10.00%
	Manganese (dissolved)	**1000**	**1121**	**112**	**ug/L**	+/- 10.00%
	Potassium	**10000**	**11260**	**113**	**ug/L**	+/- 10.00%
	Sodium	50000	52900	106	ug/L	+/- 10.00%
1H22409-CCV4	Calcium	50000	53630	107	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10630	106	ug/L	+/- 10.00%
	Lead	1000	919.4	91.9	ug/L	+/- 10.00%
	Magnesium	50000	49270	98.5	ug/L	+/- 10.00%
	Manganese (dissolved)	**1000**	**1117**	**112**	**ug/L**	+/- 10.00%
	Potassium	**10000**	**11420**	**114**	**ug/L**	+/- 10.00%
	Sodium	50000	53010	106	ug/L	+/- 10.00%
1H22409-CCV6	Calcium	50000	51370	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10540	105	ug/L	+/- 10.00%
	Lead	1000	1009	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_022
Project: Kirtland AFB 2011
Calibration: 1224004
Sequence: 1H22409

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22409-CCV6	Magnesium	50000	50480	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1015	101	ug/L	+/- 10.00%
	Potassium	10000	10190	102	ug/L	+/- 10.00%
	Sodium	50000	51260	103	ug/L	+/- 10.00%
1H22409-CCV7	Calcium	50000	51300	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10380	104	ug/L	+/- 10.00%
	Lead	1000	995.2	99.5	ug/L	+/- 10.00%
	Magnesium	50000	49770	99.5	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1024	102	ug/L	+/- 10.00%
	Potassium	10000	10340	103	ug/L	+/- 10.00%
	Sodium	50000	51320	103	ug/L	+/- 10.00%
1H22409-CCV8	Calcium	50000	51400	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10340	103	ug/L	+/- 10.00%
	Lead	1000	982.9	98.3	ug/L	+/- 10.00%
	Magnesium	50000	49390	98.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1029	103	ug/L	+/- 10.00%
	Potassium	10000	10460	105	ug/L	+/- 10.00%
	Sodium	50000	51460	103	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1241002
Sequence: 1H23004

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H23004-ICV1	Calcium	50000	50950	102	ug/L	+/- 10.00%
	Lead	1000	992.3	99.2	ug/L	+/- 10.00%
	Magnesium	50000	48580	97.2	ug/L	+/- 10.00%
	Potassium	10000	9497	95.0	ug/L	+/- 10.00%
	Sodium	50000	50060	100	ug/L	+/- 10.00%
1H23004-CCV1	Calcium	50000	50140	100	ug/L	+/- 10.00%
	Lead	1000	1001	100	ug/L	+/- 10.00%
	Magnesium	50000	48280	96.6	ug/L	+/- 10.00%
	Potassium	10000	9532	95.3	ug/L	+/- 10.00%
	Sodium	50000	49610	99.2	ug/L	+/- 10.00%
1H23004-CCV3	Calcium	50000	51140	102	ug/L	+/- 10.00%
	Lead	1000	985.7	98.6	ug/L	+/- 10.00%
	Magnesium	50000	48420	96.8	ug/L	+/- 10.00%
	Potassium	10000	9857	98.6	ug/L	+/- 10.00%
	Sodium	50000	50450	101	ug/L	+/- 10.00%
1H23004-CCV4	Calcium	50000	54150	108	ug/L	+/- 10.00%
	Lead	1000	938.6	93.9	ug/L	+/- 10.00%
	Magnesium	50000	50090	100	ug/L	+/- 10.00%
	Potassium	10000	10500	105	ug/L	+/- 10.00%
	Sodium	50000	52200	104	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1237002
Sequence: 1H23705

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H23705-ICV1	Iron (dissolved)	10000	10580	106	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	996.5	99.6	ug/L	+/- 10.00%
1H23705-CCV1	Iron (dissolved)	10000	10820	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1024	102	ug/L	+/- 10.00%
1H23705-CCV3	Iron (dissolved)	10000	10740	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	999.7	100	ug/L	+/- 10.00%
1H23705-CCV4	Iron (dissolved)	10000	10720	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	990.5	99.1	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1224003

Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22408-CRL1	Calcium	2000	2120	106	ug/L	80 - 120
	Iron (dissolved)	60.00	66.87	111	ug/L	80 - 120
	Lead	3.000	3.209	107	ug/L	80 - 120
	Magnesium	3000	3108	104	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.557	109	ug/L	80 - 120
	Potassium	3000	3061	102	ug/L	80 - 120
	Sodium	3000	3086	103	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1224004

Sequence: 1H22409

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22409-CRL1	Calcium	2000	2099	105	ug/L	80 - 120
	Iron (dissolved)	60.00	67.63	113	ug/L	80 - 120
	Lead	3.000	2.461	82.0	ug/L	80 - 120
	Magnesium	3000	3043	101	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.419	107	ug/L	80 - 120
	Potassium	3000	3114	104	ug/L	80 - 120
	Sodium	3000	3055	102	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1241002

Sequence: 1H23004

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H23004-CRL1	Calcium	2000	2110	105	ug/L	80 - 120
	Lead	3.000	3.114	104	ug/L	80 - 120
	Magnesium	3000	3090	103	ug/L	80 - 120
	Potassium	3000	2907	96.9	ug/L	80 - 120
	Sodium	3000	3045	101	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1237002

Sequence: 1H23705

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H23705-CRL1	Iron (dissolved)	60.00	61.12	102	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.104	102	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22408
Calibration: 1224003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22408-ICB1	Calcium	4.970	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.9245	30.0	100	ug/L	U	SW6010B
	Lead	0.5625	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.400	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.08344	3.00	15.0	ug/L	U	SW6010B
	Potassium	8.980	1000	5000	ug/L	U	SW6010B
	Sodium	20.32	1000	5000	ug/L	U	SW6010B
1H22408-CCB1	Calcium	57.9	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	19.5	30.0	100	ug/L	U	SW6010B
	Lead	0.166	1.50	3.00	ug/L	U	SW6010B
	Magnesium	54.1	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.119	3.00	15.0	ug/L	U	SW6010B
	Potassium	-11.9	1000	5000	ug/L	U	SW6010B
	Sodium	13.6	1000	5000	ug/L	U	SW6010B
1H22408-CCB2	Calcium	22.5	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	3.72	30.0	100	ug/L	U	SW6010B
	Lead	-0.324	1.50	3.00	ug/L	U	SW6010B
	Magnesium	21.9	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.272	3.00	15.0	ug/L	U	SW6010B
	Potassium	-10.2	1000	5000	ug/L	U	SW6010B
	Sodium	82.7	1000	5000	ug/L	U	SW6010B
1H09003-BLK1	Calcium	12.2	1000	5000	ug/L	U	SW6010B
	Lead	0.120	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.80	1000	5000	ug/L	U	SW6010B
	Potassium	-15.8	1000	5000	ug/L	U	SW6010B
	Sodium	40.7	1000	5000	ug/L	U	SW6010B
1H22408-CCB3	Calcium	10.4	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.367	30.0	100	ug/L	U	SW6010B
	Lead	-0.0664	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.2	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.203	3.00	15.0	ug/L	U	SW6010B
	Potassium	-3.87	1000	5000	ug/L	U	SW6010B
	Sodium	14.0	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22408
Calibration: 1224003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22408-CCB4	Calcium	9.96	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.28	30.0	100	ug/L	U	SW6010B
	Lead	-0.0936	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.93	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.135	3.00	15.0	ug/L	U	SW6010B
	Potassium	-25.4	1000	5000	ug/L	U	SW6010B
	Sodium	65.7	1000	5000	ug/L	U	SW6010B
1H22408-CCB8	Calcium	6.35	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.703	30.0	100	ug/L	U	SW6010B
	Lead	0.684	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.0	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.329	3.00	15.0	ug/L	U	SW6010B
	Potassium	4.52	1000	5000	ug/L	U	SW6010B
	Sodium	20.9	1000	5000	ug/L	U	SW6010B
1H10007-BLK1	Iron (dissolved)	-1.17	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0705	3.00	15.0	ug/L	U	SW6010B
1H22408-CCB9	Calcium	3.19	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.304	30.0	100	ug/L	U	SW6010B
	Lead	-0.0370	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.52	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.122	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.09	1000	5000	ug/L	U	SW6010B
	Sodium	11.9	1000	5000	ug/L	U	SW6010B
1H22408-CCBA	Calcium	7.96	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.39	30.0	100	ug/L	U	SW6010B
	Lead	-0.131	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.34	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.148	3.00	15.0	ug/L	U	SW6010B
	Potassium	-10.4	1000	5000	ug/L	U	SW6010B
	Sodium	21.6	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22409
Calibration: 1224004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22409-ICB1	Calcium	2.440	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.05133	30.0	100	ug/L	U	SW6010B
	Lead	-0.7173	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.010	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.06582	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.590	1000	5000	ug/L	U	SW6010B
	Sodium	11.02	1000	5000	ug/L	U	SW6010B
1H22409-CCB1	Calcium	10.2	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.89	30.0	100	ug/L	U	SW6010B
	Lead	-1.19	1.50	3.00	ug/L	U	SW6010B
	Magnesium	15.1	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0677	3.00	15.0	ug/L	U	SW6010B
	Potassium	2.83	1000	5000	ug/L	U	SW6010B
	Sodium	23.4	1000	5000	ug/L	U	SW6010B
1H22409-CCB2	Calcium	15.3	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.199	30.0	100	ug/L	U	SW6010B
	Lead	-0.354	1.50	3.00	ug/L	U	SW6010B
	Magnesium	14.0	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.126	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.42	1000	5000	ug/L	U	SW6010B
	Sodium	45.6	1000	5000	ug/L	U	SW6010B
1H09002-BLK1	Calcium	30.6	1000	5000	ug/L	U	SW6010B
	Lead	-0.441	1.50	3.00	ug/L	U	SW6010B
	Magnesium	18.3	1000	5000	ug/L	U	SW6010B
	Potassium	15.7	1000	5000	ug/L	U	SW6010B
	Sodium	46.6	1000	5000	ug/L	U	SW6010B
1H22409-CCB3	Calcium	9.27	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.433	30.0	100	ug/L	U	SW6010B
	Lead	-0.0810	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.97	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.105	3.00	15.0	ug/L	U	SW6010B
	Potassium	-3.39	1000	5000	ug/L	U	SW6010B
	Sodium	13.8	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22409
Calibration: 1224004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22409-CCB4	Calcium	10.4	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.83	30.0	100	ug/L	U	SW6010B
	Lead	-0.132	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.4	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0645	3.00	15.0	ug/L	U	SW6010B
	Potassium	16.9	1000	5000	ug/L	U	SW6010B
	Sodium	14.8	1000	5000	ug/L	U	SW6010B
1H22409-CCB6	Calcium	13.7	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	29.1	30.0	100	ug/L	U	SW6010B
	Lead	-0.0262	1.50	3.00	ug/L	U	SW6010B
	Magnesium	24.4	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.738	3.00	15.0	ug/L	U	SW6010B
	Potassium	20.9	1000	5000	ug/L	U	SW6010B
	Sodium	4.78	1000	5000	ug/L	U	SW6010B
1H11006-BLK1	Iron (dissolved)	8.58	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.277	3.00	15.0	ug/L	U	SW6010B
1H22409-CCB7	Calcium	2.69	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.418	30.0	100	ug/L	U	SW6010B
	Lead	0.0508	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.84	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.207	3.00	15.0	ug/L	U	SW6010B
	Potassium	-17.4	1000	5000	ug/L	U	SW6010B
	Sodium	1.31	1000	5000	ug/L	U	SW6010B
1H22409-CCB8	Calcium	5.69	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.629	30.0	100	ug/L	U	SW6010B
	Lead	0.0669	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.7	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.123	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.60	1000	5000	ug/L	U	SW6010B
	Sodium	4.38	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H23004
Calibration: 1241002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H23004-ICB1	Calcium	17.91	1000	5000	ug/L	U	SW6010B
	Lead	-0.4871	1.50	3.00	ug/L	U	SW6010B
	Magnesium	30.15	1000	5000	ug/L	U	SW6010B
	Potassium	20.32	1000	5000	ug/L	U	SW6010B
	Sodium	20.15	1000	5000	ug/L	U	SW6010B
1H23004-CCB1	Calcium	3.04	1000	5000	ug/L	U	SW6010B
	Lead	-0.538	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.0	1000	5000	ug/L	U	SW6010B
	Potassium	15.4	1000	5000	ug/L	U	SW6010B
	Sodium	8.81	1000	5000	ug/L	U	SW6010B
1H23004-CCB3	Calcium	7.13	1000	5000	ug/L	U	SW6010B
	Lead	0.210	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.6	1000	5000	ug/L	U	SW6010B
	Potassium	34.1	1000	5000	ug/L	U	SW6010B
	Sodium	29.5	1000	5000	ug/L	U	SW6010B
1H16005-BLK1	Calcium	13.3	1000	5000	ug/L	U	SW6010B
	Lead	-0.129	1.50	3.00	ug/L	U	SW6010B
	Magnesium	17.2	1000	5000	ug/L	U	SW6010B
	Potassium	27.4	1000	5000	ug/L	U	SW6010B
	Sodium	42.6	1000	5000	ug/L	U	SW6010B
1H23004-CCB4	Calcium	3.86	1000	5000	ug/L	U	SW6010B
	Lead	0.0164	1.50	3.00	ug/L	U	SW6010B
	Magnesium	18.5	1000	5000	ug/L	U	SW6010B
	Potassium	20.8	1000	5000	ug/L	U	SW6010B
	Sodium	5.79	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H23705
Calibration: 1237002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H23705-ICB1	Iron (dissolved)	0.4297	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.07330	3.00	15.0	ug/L	U	SW6010B
1H23705-CCB1	Iron (dissolved)	6.97	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0710	3.00	15.0	ug/L	U	SW6010B
1H23705-CCB3	Iron (dissolved)	-0.371	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0876	3.00	15.0	ug/L	U	SW6010B
1H22916-BLK1	Iron (dissolved)	-1.68	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0818	3.00	15.0	ug/L	U	SW6010B
1H23705-CCB4	Iron (dissolved)	-0.341	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.120	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1224003
Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units
1H22408-IFA1	Calcium	500000	491,890.00	98.4	ug/L
	Iron (dissolved)	200000	210,710.00	105	ug/L
	Lead		-2.54		ug/L
	Magnesium	500000	496,580.00	99.3	ug/L
	Manganese (dissolved)		-4.60		ug/L
	Potassium		-42.35		ug/L
	Sodium		68.34		ug/L
1H22408-IFB1	Calcium	500000	495,930.00	99.2	ug/L
	Iron (dissolved)	200000	213,900.00	107	ug/L
	Lead	50.00	46.07	92.1	ug/L
	Magnesium	500000	500,100.00	100	ug/L
	Manganese (dissolved)	500.0	495.46	99.1	ug/L
	Potassium		-37.22		ug/L
	Sodium		65.99		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1224004
Sequence: 1H22409

Lab Sample ID	Analyte	True	Found	%R	Units
1H22409-IFA1	Calcium	500000	456,320.00	91.3	ug/L
	Iron (dissolved)	200000	195,920.00	98.0	ug/L
	Lead		1.05		ug/L
	Magnesium	500000	458,390.00	91.7	ug/L
	Manganese (dissolved)		-4.37		ug/L
	Potassium		-34.20		ug/L
	Sodium		61.90		ug/L
1H22409-IFB1	Calcium	500000	481,570.00	96.3	ug/L
	Iron (dissolved)	200000	209,520.00	105	ug/L
	Lead	50.00	46.35	92.7	ug/L
	Magnesium	500000	485,390.00	97.1	ug/L
	Manganese (dissolved)	500.0	477.46	95.5	ug/L
	Potassium		-30.05		ug/L
	Sodium		69.90		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1241002
Sequence: 1H23004

Lab Sample ID	Analyte	True	Found	%R	Units
1H23004-IFA1	Calcium	500000	462,520.00	92.5	ug/L
	Lead		4.57		ug/L
	Magnesium	500000	468,900.00	93.8	ug/L
	Potassium		-3.75		ug/L
	Sodium		80.32		ug/L
1H23004-IFB1	Calcium	500000	489,090.00	97.8	ug/L
	Lead	50.00	55.25	111	ug/L
	Magnesium	500000	500,010.00	100	ug/L
	Potassium		-13.22		ug/L
	Sodium		72.13		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1237002

Sequence: 1H23705

Lab Sample ID	Analyte	True	Found	%R	Units
1H23705-IFA1	Iron (dissolved)	200000	207,870.00	104	ug/L
	Manganese (dissolved)		-3.69		ug/L
1H23705-IFB1	Iron (dissolved)	200000	211,880.00	106	ug/L
	Manganese (dissolved)	500.0	485.74	97.1	ug/L

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09002	Laboratory ID:	1H09002-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	5310	106	80 - 120
Lead	250.0	246.0	98.4	80 - 120
Magnesium	5000	5041	101	80 - 120
Potassium	5000	5298	106	80 - 120
Sodium	5000	5154	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09003	Laboratory ID:	1H09003-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	5050	101	80 - 120
Lead	250.0	263.0	105	80 - 120
Magnesium	5000	5016	100	80 - 120
Potassium	5000	4725	94.5	80 - 120
Sodium	5000	4942	98.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10007	Laboratory ID:	1H10007-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	1132	113	80 - 120
Manganese (dissolved)	500.0	559.3	112	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11006	Laboratory ID:	1H11006-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	1080	108	80 - 120
Manganese (dissolved)	500.0	508.4	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H16005	Laboratory ID:	1H16005-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	5318	106	80 - 120
Lead	250.0	242.1	96.8	80 - 120
Magnesium	5000	4940	98.8	80 - 120
Potassium	5000	5139	103	80 - 120
Sodium	5000	5131	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H22916	Laboratory ID:	1H22916-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	493.2	98.6	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_022

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

Matrix: Water **Instrument:** ME-ICP

Analyte	MDL	MRL	Units	Method
Calcium	1000	5000	ug/L	SW6010B
Iron (dissolved)	30.0	100	ug/L	SW6010B
Lead	1.50	3.00	ug/L	SW6010B
Magnesium	1000	5000	ug/L	SW6010B
Manganese (dissolved)	3.00	15.0	ug/L	SW6010B
Potassium	1000	5000	ug/L	SW6010B
Sodium	1000	5000	ug/L	SW6010B

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_022

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_022

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_022

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_022

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_022

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_022

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: kirtland_022

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H09002 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/09/11 07:59	50.00	50.00
GW0193	1108019-03	08/09/11 07:59	50.00	50.00
GW0194	1108019-05	08/09/11 07:59	50.00	50.00
GW0225	1108019-07	08/09/11 07:59	50.00	50.00
GW0224	1108056-03	08/09/11 07:59	50.00	50.00
GW0228	1108056-05	08/09/11 07:59	50.00	50.00
GW0226	1108078-01	08/09/11 07:59	50.00	50.00
GW0227	1108078-03	08/09/11 07:59	50.00	50.00
Blank	1H09002-BLK1	08/09/11 07:59	50.00	50.00
LCS	1H09002-BS1	08/09/11 07:59	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H09003 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0222	1108046-09	08/09/11 08:18	50.00	50.00
GW0223	1108046-11	08/09/11 08:18	50.00	50.00
GW8022-RB	1108046-13	08/09/11 08:18	50.00	50.00
Blank	1H09003-BLK1	08/09/11 08:18	50.00	50.00
LCS	1H09003-BS1	08/09/11 08:18	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H10007 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-02	08/10/11 08:46	50.00	50.00
GW0193	1108019-04	08/10/11 08:46	50.00	50.00
GW0194	1108019-06	08/10/11 08:46	50.00	50.00
GW0225	1108019-08	08/10/11 08:46	50.00	50.00
Blank	1H10007-BLK1	08/10/11 08:46	50.00	50.00
LCS	1H10007-BS1	08/10/11 08:46	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H11006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0222	1108046-10	08/11/11 07:58	50.00	50.00
GW0223	1108046-12	08/11/11 07:58	50.00	50.00
GW8022-RB	1108046-14	08/11/11 07:58	50.00	50.00
GW0224	1108056-04	08/11/11 07:58	50.00	50.00
GW0228	1108056-06	08/11/11 07:58	50.00	50.00
GW0226	1108078-02	08/11/11 07:58	50.00	50.00
GW0227	1108078-04	08/11/11 07:58	50.00	50.00
Blank	1H11006-BLK1	08/11/11 07:58	50.00	50.00
LCS	1H11006-BS1	08/11/11 07:58	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H16005 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0245	1108097-01	08/16/11 07:47	50.00	50.00
GW0246	1108097-03	08/16/11 07:47	50.00	50.00
Blank	1H16005-BLK1	08/16/11 07:47	50.00	50.00
LCS	1H16005-BS1	08/16/11 07:47	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H22916 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0245	1108097-02	08/22/11 08:12	50.00	50.00
GW0246	1108097-04	08/22/11 08:12	50.00	50.00
Blank	1H22916-BLK1	08/22/11 08:12	50.00	50.00
LCS	1H22916-BS1	08/22/11 08:12	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22408	Instrument:	ME-ICP
Calibration:	1224003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22408-CAL1	081011A-001	08/10/11 11:27
Cal Standard	1H22408-CAL1	081011A-001	08/10/11 11:27
Cal Standard	1H22408-CAL2	081011A-002	08/10/11 11:31
Cal Standard	1H22408-CAL2	081011A-002	08/10/11 11:31
Cal Standard	1H22408-CAL3	081011A-003	08/10/11 11:35
Cal Standard	1H22408-CAL3	081011A-003	08/10/11 11:35
Cal Standard	1H22408-CAL4	081011A-004	08/10/11 11:39
Cal Standard	1H22408-CAL5	081011A-005	08/10/11 11:44
Cal Standard	1H22408-CAL5	081011A-005	08/10/11 11:44
Cal Standard	1H22408-CAL6	081011A-006	08/10/11 11:49
Cal Standard	1H22408-CAL6	081011A-006	08/10/11 11:49
Cal Standard	1H22408-CAL7	081011A-007	08/10/11 11:54
Cal Standard	1H22408-CAL8	081011A-008	08/10/11 11:59
Initial Cal Check	1H22408-ICV1	081011B-001	08/10/11 12:33
Initial Cal Check	1H22408-ICV1	081011B-001	08/10/11 12:33
Initial Cal Blank	1H22408-ICB1	081011B-002	08/10/11 12:40
Initial Cal Blank	1H22408-ICB1	081011B-002	08/10/11 12:40
Instrument RL Check	1H22408-CRL1	081011B-003	08/10/11 12:45
Instrument RL Check	1H22408-CRL1	081011B-003	08/10/11 12:45
Interference Check A	1H22408-IFA1	081011B-005	08/10/11 12:54
Interference Check A	1H22408-IFA1	081011B-005	08/10/11 12:54
Interference Check B	1H22408-IFB1	081011B-006	08/10/11 13:00
Interference Check B	1H22408-IFB1	081011B-006	08/10/11 13:00
Calibration Check	1H22408-CCV1	081011B-008	08/10/11 13:12
Calibration Check	1H22408-CCV1	081011B-008	08/10/11 13:12
Calibration Blank	1H22408-CCB1	081011B-009	08/10/11 13:20
Calibration Blank	1H22408-CCB1	081011B-009	08/10/11 13:20
Calibration Check	1H22408-CCV2	081011B-027	08/10/11 14:50
Calibration Check	1H22408-CCV2	081011B-027	08/10/11 14:50
Calibration Blank	1H22408-CCB2	081011B-028	08/10/11 14:57
Calibration Blank	1H22408-CCB2	081011B-028	08/10/11 14:57
Blank	1H09003-BLK1	081011C-001	08/10/11 15:05

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22408	Instrument:	ME-ICP
Calibration:	1224003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1H09003-BS1	081011C-002	08/10/11 15:09
GW0222	1108046-09	081011C-015	08/10/11 16:11
GW0223	1108046-11	081011C-016	08/10/11 16:15
Calibration Check	1H22408-CCV3	081011C-017	08/10/11 16:21
Calibration Check	1H22408-CCV3	081011C-017	08/10/11 16:21
Calibration Blank	1H22408-CCB3	081011C-018	08/10/11 16:28
Calibration Blank	1H22408-CCB3	081011C-018	08/10/11 16:28
GW8022-RB	1108046-13	081011C-019	08/10/11 16:33
Calibration Check	1H22408-CCV4	081011C-028	08/10/11 17:18
Calibration Check	1H22408-CCV4	081011C-028	08/10/11 17:18
Calibration Blank	1H22408-CCB4	081011C-029	08/10/11 17:26
Calibration Blank	1H22408-CCB4	081011C-029	08/10/11 17:26
Calibration Check	1H22408-CCV8	081011C-085	08/10/11 22:05
Calibration Check	1H22408-CCV8	081011C-085	08/10/11 22:05
Calibration Blank	1H22408-CCB8	081011C-086	08/10/11 22:12
Calibration Blank	1H22408-CCB8	081011C-086	08/10/11 22:12
Blank	1H10007-BLK1	081011C-087	08/10/11 22:17
LCS	1H10007-BS1	081011C-088	08/10/11 22:21
Calibration Check	1H22408-CCV9	081011C-102	08/10/11 23:28
Calibration Check	1H22408-CCV9	081011C-102	08/10/11 23:28
Calibration Blank	1H22408-CCB9	081011C-103	08/10/11 23:36
Calibration Blank	1H22408-CCB9	081011C-103	08/10/11 23:36
GW0192	1108019-02	081011C-108	08/10/11 23:59
GW0193	1108019-04	081011C-109	08/11/11 00:03
GW0194	1108019-06	081011C-110	08/11/11 00:08
GW0225	1108019-08	081011C-111	08/11/11 00:12
Calibration Check	1H22408-CCVA	081011C-112	08/11/11 00:18
Calibration Check	1H22408-CCVA	081011C-112	08/11/11 00:18
Calibration Blank	1H22408-CCBA	081011C-113	08/11/11 00:25
Calibration Blank	1H22408-CCBA	081011C-113	08/11/11 00:25

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22409	Instrument:	ME-ICP
Calibration:	1224004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22409-CAL1	081111A-001	08/11/11 12:18
Cal Standard	1H22409-CAL1	081111A-001	08/11/11 12:18
Cal Standard	1H22409-CAL2	081111A-002	08/11/11 12:22
Cal Standard	1H22409-CAL2	081111A-002	08/11/11 12:22
Cal Standard	1H22409-CAL3	081111A-003	08/11/11 12:26
Cal Standard	1H22409-CAL3	081111A-003	08/11/11 12:26
Cal Standard	1H22409-CAL4	081111A-004	08/11/11 12:32
Cal Standard	1H22409-CAL5	081111A-005	08/11/11 12:37
Cal Standard	1H22409-CAL5	081111A-005	08/11/11 12:37
Cal Standard	1H22409-CAL6	081111A-006	08/11/11 12:42
Cal Standard	1H22409-CAL6	081111A-006	08/11/11 12:42
Cal Standard	1H22409-CAL7	081111A-007	08/11/11 12:47
Cal Standard	1H22409-CAL8	081111A-008	08/11/11 12:52
Initial Cal Check	1H22409-ICV1	081111B-001	08/11/11 13:25
Initial Cal Check	1H22409-ICV1	081111B-001	08/11/11 13:25
Initial Cal Blank	1H22409-ICB1	081111B-002	08/11/11 13:33
Initial Cal Blank	1H22409-ICB1	081111B-002	08/11/11 13:33
Instrument RL Check	1H22409-CRL1	081111B-004	08/11/11 13:43
Instrument RL Check	1H22409-CRL1	081111B-004	08/11/11 13:43
Interference Check A	1H22409-IFA1	081111B-008	08/11/11 14:04
Interference Check A	1H22409-IFA1	081111B-008	08/11/11 14:04
Interference Check B	1H22409-IFB1	081111B-010	08/11/11 14:16
Interference Check B	1H22409-IFB1	081111B-010	08/11/11 14:16
Calibration Check	1H22409-CCV1	081111B-012	08/11/11 14:27
Calibration Check	1H22409-CCV1	081111B-012	08/11/11 14:27
Calibration Blank	1H22409-CCB1	081111B-013	08/11/11 14:34
Calibration Blank	1H22409-CCB1	081111B-013	08/11/11 14:34
Calibration Check	1H22409-CCV2	081111B-023	08/11/11 15:25
Calibration Check	1H22409-CCV2	081111B-023	08/11/11 15:25
Calibration Blank	1H22409-CCB2	081111B-024	08/11/11 15:32
Calibration Blank	1H22409-CCB2	081111B-024	08/11/11 15:32
Blank	1H09002-BLK1	081111B-025	08/11/11 15:37

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22409	Instrument:	ME-ICP
Calibration:	1224004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1H09002-BS1	081111B-026	08/11/11 15:41
GW0192	1108019-01	081111B-028	08/11/11 15:52
GW0193	1108019-03	081111B-029	08/11/11 15:57
GW0194	1108019-05	081111B-030	08/11/11 16:01
GW0225	1108019-07	081111B-031	08/11/11 16:06
GW0224	1108056-03	081111B-040	08/11/11 16:47
Calibration Check	1H22409-CCV3	081111B-041	08/11/11 16:52
Calibration Check	1H22409-CCV3	081111B-041	08/11/11 16:52
Calibration Blank	1H22409-CCB3	081111B-042	08/11/11 17:00
Calibration Blank	1H22409-CCB3	081111B-042	08/11/11 17:00
GW0228	1108056-05	081111B-043	08/11/11 17:04
GW0226	1108078-01	081111B-050	08/11/11 17:36
GW0227	1108078-03	081111B-051	08/11/11 17:40
Calibration Check	1H22409-CCV4	081111B-052	08/11/11 17:46
Calibration Check	1H22409-CCV4	081111B-052	08/11/11 17:46
Calibration Blank	1H22409-CCB4	081111B-053	08/11/11 17:53
Calibration Blank	1H22409-CCB4	081111B-053	08/11/11 17:53
Calibration Check	1H22409-CCV6	081111B-078	08/11/11 19:54
Calibration Check	1H22409-CCV6	081111B-078	08/11/11 19:54
Calibration Blank	1H22409-CCB6	081111B-079	08/11/11 20:01
Calibration Blank	1H22409-CCB6	081111B-079	08/11/11 20:01
Blank	1H11006-BLK1	081111B-080	08/11/11 20:06
LCS	1H11006-BS1	081111B-081	08/11/11 20:11
GW0222	1108046-10	081111B-086	08/11/11 20:35
GW0223	1108046-12	081111B-087	08/11/11 20:40
GW8022-RB	1108046-14	081111B-088	08/11/11 20:44
Calibration Check	1H22409-CCV7	081111B-093	08/11/11 21:09
Calibration Check	1H22409-CCV7	081111B-093	08/11/11 21:09
Calibration Blank	1H22409-CCB7	081111B-094	08/11/11 21:16
Calibration Blank	1H22409-CCB7	081111B-094	08/11/11 21:16
GW0224	1108056-04	081111B-095	08/11/11 21:20
GW0228	1108056-06	081111B-096	08/11/11 21:25

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22409	Instrument:	ME-ICP
Calibration:	1224004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0226	1108078-02	081111B-097	08/11/11 21:30
GW0227	1108078-04	081111B-098	08/11/11 21:34
Calibration Check	1H22409-CCV8	081111B-099	08/11/11 21:39
Calibration Check	1H22409-CCV8	081111B-099	08/11/11 21:39
Calibration Blank	1H22409-CCB8	081111B-100	08/11/11 21:46
Calibration Blank	1H22409-CCB8	081111B-100	08/11/11 21:46

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23004	Instrument:	ME-ICP
Calibration:	1241002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H23004-CAL1	081711A-001	08/17/11 12:53
Cal Standard	1H23004-CAL2	081711A-002	08/17/11 12:57
Cal Standard	1H23004-CAL3	081711A-003	08/17/11 13:01
Cal Standard	1H23004-CAL5	081711A-005	08/17/11 13:11
Cal Standard	1H23004-CAL6	081711A-006	08/17/11 13:15
Cal Standard	1H23004-CAL7	081711A-007	08/17/11 13:21
Cal Standard	1H23004-CAL8	081711A-008	08/17/11 13:26
Initial Cal Check	1H23004-ICV1	081711B-001	08/17/11 14:02
Initial Cal Blank	1H23004-ICB1	081711B-002	08/17/11 14:10
Instrument RL Check	1H23004-CRL1	081711B-003	08/17/11 14:15
Interference Check A	1H23004-IFA1	081711B-007	08/17/11 14:41
Interference Check B	1H23004-IFB1	081711B-008	08/17/11 14:47
Calibration Check	1H23004-CCV1	081711C-001	08/17/11 15:00
Calibration Blank	1H23004-CCB1	081711C-002	08/17/11 15:08
Calibration Check	1H23004-CCV3	081711C-021	08/17/11 16:43
Calibration Blank	1H23004-CCB3	081711C-022	08/17/11 16:50
Blank	1H16005-BLK1	081711C-023	08/17/11 16:55
LCS	1H16005-BS1	081711C-024	08/17/11 16:59
GW0245	1108097-01	081711C-025	08/17/11 17:06
GW0246	1108097-03	081711C-026	08/17/11 17:10
Calibration Check	1H23004-CCV4	081711C-039	08/17/11 18:11
Calibration Blank	1H23004-CCB4	081711C-040	08/17/11 18:18

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H23705	Instrument:	ME-ICP
Calibration:	1237002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H23705-CAL1	082211A-001	08/22/11 13:01
Cal Standard	1H23705-CAL2	082211A-002	08/22/11 13:05
Cal Standard	1H23705-CAL3	082211A-003	08/22/11 13:09
Cal Standard	1H23705-CAL4	082211A-004	08/22/11 13:13
Cal Standard	1H23705-CAL5	082211A-005	08/22/11 13:18
Cal Standard	1H23705-CAL6	082211A-006	08/22/11 13:22
Initial Cal Check	1H23705-ICV1	082211B-001	08/22/11 14:02
Initial Cal Blank	1H23705-ICB1	082211B-002	08/22/11 14:09
Instrument RL Check	1H23705-CRL1	082211B-005	08/22/11 14:24
Interference Check A	1H23705-IFA1	082211B-008	08/22/11 14:40
Interference Check B	1H23705-IFB1	082211B-009	08/22/11 14:47
Calibration Check	1H23705-CCV1	082211B-011	08/22/11 14:57
Calibration Blank	1H23705-CCB1	082211B-012	08/22/11 15:04
Calibration Check	1H23705-CCV3	082211B-041	08/22/11 17:27
Calibration Blank	1H23705-CCB3	082211B-042	08/22/11 17:34
Blank	1H22916-BLK1	082211B-043	08/22/11 17:39
LCS	1H22916-BS1	082211B-044	08/22/11 17:44
GW0245	1108097-02	082211B-045	08/22/11 17:50
GW0246	1108097-04	082211B-046	08/22/11 17:54
Calibration Check	1H23705-CCV4	082211B-058	08/22/11 18:50
Calibration Blank	1H23705-CCB4	082211B-059	08/22/11 18:58

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1224003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/10/11 11:27	8/10/11 11:59

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	1.889E-05	10000	1.8997E-05			500000	1.89616E-05		
Antimony	0	0	100	0.0006475	1000	6.737401E-04					10000	6.5638E-04
Arsenic	0	0	100	0.0003044	1000	3.1912E-04					10000	3.1211E-04
Barium	0	0	50	0.0104154	1000	0.010396	5000	0.0105476				
Beryllium	0	0	100	0.0031883	1000	0.003235					10000	0.0030851
Boron	0	0	50	0.0000172	1000	1.771E-05					5000	1.727E-05
Cadmium	0	0	100	0.016593	1000	0.016592					10000	0.015594
Calcium	0	0	1100	0.000072	50000	7.0918E-05					10000	
Chromium	0	0	100	0.0000527	1000	0.0000516					10000	5.0959E-05
Cobalt	0	0	100	0.0055903	1000	0.005502					10000	0.0055234
Copper	0	0	100	0.000083	1000	8.037E-05					10000	7.9801E-05
Iron	0	0	5100	2.285882E-05	10000	2.2164E-05			500000	2.0348E-05	10000	
Lead	0	0	100	0.0013265	1000	0.0012917					10000	0.0012951
Magnesium	0	0	5100		50000	2.664E-06			500000	2.6288E-06	10000	
Manganese	0	0	100	0.0002776	1000	2.7152E-04	10000	2.6375E-04			10000	
Molybdenum	0	0	100	0.0034645	1000	0.0035374					10000	0.0034943
Nickel	0	0	100	0.0031776	1000	0.0031792					10000	0.0031874
Potassium	0	0	1000	7.799999E-06	10000	9.104E-06						
Selenium	0	0	100	0.0003605	1000	0.0003631					10000	3.5264E-04
Silver	0	0	20	0.0000545	500	5.436E-05	2000	5.5615E-05				
Sodium	0	0	1000		50000	4.338E-05						
Strontium	0	0	100	0.00177	1000	0.001767					10000	0.001715
Thallium	0	0	100	7.571999E-04	1000	7.6039E-04					10000	7.5985E-04
Tin	0	0	50	0.0011234	1000	0.001144					5000	1.13438E-03
Titanium	0	0	100	0.0002521	1000	2.4792E-04					10000	0.0002462
Vanadium	0	0	100	0.0000498	1000	4.941E-05					10000	4.9169E-05
Zinc	0	0	100	0.0055104	1000	0.0055241					10000	0.0054813
Aluminum	0	0	5000	1.889E-05	10000	1.8997E-05			500000	1.89616E-05		
Antimony	0	0	100	0.0006475	1000	6.737401E-04					10000	6.5638E-04
Arsenic	0	0	100	0.0003044	1000	3.1912E-04					10000	3.1211E-04
Barium	0	0	50	0.0104154	1000	0.010396	5000	0.0105476				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

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	0.0031883	1000	0.003235					10000	0.0030851
Boron	0	0	50	0.0000172	1000	1.771E-05					5000	1.727E-05
Cadmium	0	0	100	0.016593	1000	0.016592					10000	0.015594
Calcium	0	0	1100	0.000072	50000	7.0918E-05					10000	
Chromium	0	0	100	0.0000527	1000	0.0000516					10000	5.0959E-05
Cobalt	0	0	100	0.0055903	1000	0.005502					10000	0.0055234
Copper	0	0	100	0.000083	1000	8.037E-05					10000	7.9801E-05
Iron	0	0	5100	2.285882E-05	10000	2.2164E-05			500000	2.0348E-05	10000	
Lead	0	0	100	0.0013265	1000	0.0012917					10000	0.0012951
Magnesium	0	0	5100		50000	2.664E-06			500000	2.6288E-06	10000	
Manganese	0	0	100	0.0002776	1000	2.7152E-04	10000	2.6375E-04			10000	
Molybdenum	0	0	100	0.0034645	1000	0.0035374					10000	0.0034943
Nickel	0	0	100	0.0031776	1000	0.0031792					10000	0.0031874
Potassium	0	0	1000	7.799999E-06	10000	9.104E-06						
Selenium	0	0	100	0.0003605	1000	0.0003631					10000	3.5264E-04
Silver	0	0	20	0.0000545	500	5.436E-05	2000	5.5615E-05				
Sodium	0	0	1000		50000	4.338E-05						
Strontium	0	0	100	0.00177	1000	0.001767					10000	0.001715
Thallium	0	0	100	7.571999E-04	1000	7.6039E-04					10000	7.5985E-04
Tin	0	0	50	0.0011234	1000	0.001144					5000	1.13438E-03
Titanium	0	0	100	0.0002521	1000	2.4792E-04					10000	0.0002462
Vanadium	0	0	100	0.0000498	1000	4.941E-05					10000	4.9169E-05
Zinc	0	0	100	0.0055104	1000	0.0055241					10000	0.0054813

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.8016E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5546E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.417799E-06										
Selenium												
Silver												
Sodium	100000	4.2871E-05	500000	4.2956E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

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	6.8016E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5546E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.417799E-06										
Selenium												
Silver												
Sodium	100000	4.2871E-05	500000	4.2956E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1224003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/10/11 11:27	8/10/11 11:59

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.421215E-05	66.6674	23.4533	196.3785	1		0.998	
Antimony	4.94405E-04	66.7031	11.73131	194.223	0.9999924		0.998	
Arsenic	2.339075E-04	66.71619	10.96811	193.068	0.9999942		0.998	
Barium	7.83975E-03	66.67221	1.429808	183.6476	0.999991		0.998	
Beryllium	0.0023771	66.71871	29.67491	194.3244	0.9999776		0.998	
Boron	1.3045E-05	66.68912	7.543073	184.2066	0.9999725		0.998	
Cadmium	1.219475E-02	66.77831	4.19736	177.6842	0.9999622		0.998	
Calcium	5.27335E-05	66.74293	1.599535	152.8529	0.9999823		0.998	
Chromium	3.881475E-05	66.6924	7.793872	178.565	0.9999986		0.998	
Cobalt	4.153925E-03	66.67281	0.83546	156.4913	0.9999998		0.998	
Copper	6.079275E-05	66.70606	1.72503	158.3109	0.9999998		0.998	
Iron	1.634271E-05	66.98057	14.21652	191.0203	0.9999977		0.998	
Lead	9.78325E-04	66.68589	6.91311	192.8238	0.9999998		0.998	
Magnesium	1.96185E-06	66.70717	170.8239	199.7285	0.9999542		0.998	
Manganese	2.032175E-04	66.72499	6.10833	183.4806	0.9999925		0.998	
Molybdenum	2.62405E-03	66.67642	13.03506	194.0269	0.9999984		0.998	
Nickel	2.38605E-03	66.66691	4.079552	186.8999	1		0.998	
Potassium	6.58045E-06	67.51118	5.32752	151.6068	0.9999961		0.998	
Selenium	2.6906E-04	66.68715	5.690432	187.0121	0.9999924		0.998	
Silver	4.111875E-05	66.68065	8.907568	177.4533	0.9999635		0.998	
Sodium	3.230175E-05	66.67023	3.988287	170.7156	0.9999985		0.998	
Strontium	0.001313	66.6944	4.491625	172.4965	0.9999915		0.998	
Thallium	5.6936E-04	66.66712	5.997188	190.0975	0.9999999		0.998	
Tin	8.50445E-04	66.67401	32.78016	198.1277	0.9999966		0.998	
Titanium	1.86555E-04	66.67989	5.166728	184.8401	0.9999997		0.998	
Vanadium	3.709475E-05	66.67035	3.299587	167.5109	0.9999998		0.998	
Zinc	4.12895E-03	66.66806	5.305292	188.3498	0.9999995		0.998	
Aluminum	1.421215E-05	66.6674	23.4533	196.3785	1		0.998	
Antimony	4.94405E-04	66.7031	11.73131	194.223	0.9999924		0.998	
Arsenic	2.339075E-04	66.71619	10.96811	193.068	0.9999942		0.998	
Barium	7.83975E-03	66.67221	1.429808	183.6476	0.999991		0.998	
Beryllium	0.0023771	66.71871	29.67491	194.3244	0.9999776		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1224003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/10/11 11:27	8/10/11 11:59

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.3045E-05	66.68912	7.543073	184.2066	0.9999725		0.998	
Cadmium	1.219475E-02	66.77831	4.19736	177.6842	0.9999622		0.998	
Calcium	5.27335E-05	66.74293	1.599535	152.8529	0.9999823		0.998	
Chromium	3.881475E-05	66.6924	7.793872	178.565	0.9999986		0.998	
Cobalt	4.153925E-03	66.67281	0.83546	156.4913	0.9999998		0.998	
Copper	6.079275E-05	66.70606	1.72503	158.3109	0.9999998		0.998	
Iron	1.634271E-05	66.98057	14.21652	191.0203	0.9999977		0.998	
Lead	9.78325E-04	66.68589	6.91311	192.8238	0.9999998		0.998	
Magnesium	1.96185E-06	66.70717	170.8239	199.7285	0.9999542		0.998	
Manganese	2.032175E-04	66.72499	6.10833	183.4806	0.9999925		0.998	
Molybdenum	2.62405E-03	66.67642	13.03506	194.0269	0.9999984		0.998	
Nickel	2.38605E-03	66.66691	4.079552	186.8999	1		0.998	
Potassium	6.58045E-06	67.51118	5.32752	151.6068	0.9999961		0.998	
Selenium	2.6906E-04	66.68715	5.690432	187.0121	0.9999924		0.998	
Silver	4.111875E-05	66.68065	8.907568	177.4533	0.9999635		0.998	
Sodium	3.230175E-05	66.67023	3.988287	170.7156	0.9999985		0.998	
Strontium	0.001313	66.6944	4.491625	172.4965	0.9999915		0.998	
Thallium	5.6936E-04	66.66712	5.997188	190.0975	0.9999999		0.998	
Tin	8.50445E-04	66.67401	32.78016	198.1277	0.9999966		0.998	
Titanium	1.86555E-04	66.67989	5.166728	184.8401	0.9999997		0.998	
Vanadium	3.709475E-05	66.67035	3.299587	167.5109	0.9999998		0.998	
Zinc	4.12895E-03	66.66806	5.305292	188.3498	0.9999995		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/11/11 12:18 8/11/11 12:52

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	1.9186E-05	10000	1.9214E-05			500000	1.89868E-05		
Antimony	0	0	100	0.0006548	1000	6.7402E-04					10000	6.5718E-04
Arsenic	0	0	100	0.000281	1000	2.9792E-04					10000	0.0002925
Barium	0	0	50	0.0110426	1000	0.010818	5000	0.0110652				
Beryllium	0	0	100	0.0030595	1000	0.0030508					10000	0.0030433
Boron	0	0	50	0.0000162	1000	1.696E-05					5000	1.6688E-05
Cadmium	0	0	100	0.01644	1000	0.016398					10000	0.015552
Calcium	0	0	1100	6.837273E-05	50000	6.6946E-05					10000	
Chromium	0	0	100	0.0000517	1000	5.074E-05					10000	5.0709E-05
Cobalt	0	0	100	0.0057228	1000	0.0055694					10000	0.0056101
Copper	0	0	100	0.000082	1000	7.895E-05					10000	7.7982E-05
Iron	0	0	5100	2.14451E-05	10000	2.0326E-05			500000	2.0182E-05	10000	
Lead	0	0	100	0.001397	1000	0.0013364					10000	0.001347
Magnesium	0	0	5100		50000	2.59E-06			500000	2.6934E-06	10000	
Manganese	0	0	100	0.0002542	1000	0.0002514	10000	2.5532E-04			10000	
Molybdenum	0	0	100	0.0033396	1000	0.0034096					10000	0.0033803
Nickel	0	0	100	0.0031133	1000	0.0031295					10000	0.0031468
Potassium	0	0	1000	0.0000072	10000	8.539E-06						
Selenium	0	0	100	0.0003454	1000	3.4921E-04					10000	0.0003398
Silver	0	0	20	0.000049	500	0.0000494	2000	5.4795E-05				
Sodium	0	0	1000		50000	0.0000421						
Strontium	0	0	100	0.001746	1000	0.00171					10000	0.001732
Thallium	0	0	100	0.0007588	1000	7.5353E-04					10000	7.5411E-04
Tin	0	0	50	0.0010624	1000	0.001092					5000	1.08928E-03
Titanium	0	0	100	0.0002498	1000	2.4176E-04					10000	2.4531E-04
Vanadium	0	0	100	0.0000455	1000	4.554E-05					10000	4.5758E-05
Zinc	0	0	100	0.0052062	1000	0.0052531					10000	0.0052358
Aluminum	0	0	5000	1.9186E-05	10000	1.9214E-05			500000	1.89868E-05		
Antimony	0	0	100	0.0006548	1000	6.7402E-04					10000	6.5718E-04
Arsenic	0	0	100	0.000281	1000	2.9792E-04					10000	0.0002925
Barium	0	0	50	0.0110426	1000	0.010818	5000	0.0110652				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/11/11_12:18 8/11/11_12:52

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	0.0030595	1000	0.0030508					10000	0.0030433
Boron	0	0	50	0.0000162	1000	1.696E-05					5000	1.6688E-05
Cadmium	0	0	100	0.01644	1000	0.016398					10000	0.015552
Calcium	0	0	1100	6.837273E-05	50000	6.6946E-05					10000	
Chromium	0	0	100	0.0000517	1000	5.074E-05					10000	5.0709E-05
Cobalt	0	0	100	0.0057228	1000	0.0055694					10000	0.0056101
Copper	0	0	100	0.000082	1000	7.895E-05					10000	7.7982E-05
Iron	0	0	5100	2.14451E-05	10000	2.0326E-05			500000	2.0182E-05	10000	
Lead	0	0	100	0.001397	1000	0.0013364					10000	0.001347
Magnesium	0	0	5100		50000	2.59E-06			500000	2.6934E-06	10000	
Manganese	0	0	100	0.0002542	1000	0.0002514	10000	2.5532E-04			10000	
Molybdenum	0	0	100	0.0033396	1000	0.0034096					10000	0.0033803
Nickel	0	0	100	0.0031133	1000	0.0031295					10000	0.0031468
Potassium	0	0	1000	0.0000072	10000	8.539E-06						
Selenium	0	0	100	0.0003454	1000	3.4921E-04					10000	0.0003398
Silver	0	0	20	0.000049	500	0.0000494	2000	5.4795E-05				
Sodium	0	0	1000		50000	0.0000421						
Strontium	0	0	100	0.001746	1000	0.00171					10000	0.001732
Thallium	0	0	100	0.0007588	1000	7.5353E-04					10000	7.5411E-04
Tin	0	0	50	0.0010624	1000	0.001092					5000	1.08928E-03
Titanium	0	0	100	0.0002498	1000	2.4176E-04					10000	2.4531E-04
Vanadium	0	0	100	0.0000455	1000	4.554E-05					10000	4.5758E-05
Zinc	0	0	100	0.0052062	1000	0.0052531					10000	0.0052358

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/11/11 12:18 8/11/11 12:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.6762E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.533E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.0532E-06										
Selenium												
Silver												
Sodium	100000	4.1894E-05	500000	4.1996E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/11/11 12:18 8/11/11 12:52

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	6.6762E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.533E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.0532E-06										
Selenium												
Silver												
Sodium	100000	4.1894E-05	500000	4.1996E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1224004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/11/11 12:18	8/11/11 12:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.43467E-05	66.6704	9.264397	190.852	1		0.998	
Antimony	0.0004965	66.68893	2.458937	127.2807	0.9999929		0.998	
Arsenic	2.17855E-04	66.74526	32.32518	193.4245	0.9999956		0.998	
Barium	8.23145E-03	66.68045	0.7822975	59.99176	0.9999778		0.998	
Beryllium	0.0022884	66.6673	50.38343	198.2501	0.9999999		0.998	
Boron	1.2462E-05	66.71439	3.893755	168.6881	0.9999883		0.998	
Cadmium	0.0120975	66.75237	5.824163	171.9642	0.9999728		0.998	
Calcium	5.052018E-05	66.6819	1.808463	139.2343	0.9999999		0.998	
Chromium	3.828725E-05	66.67749	11.65324	178.5198	1		0.998	
Cobalt	4.225575E-03	66.68435	1.285675	99.30036	0.9999992		0.998	
Copper	5.9733E-05	66.72826	1.929117	107.4736	0.9999993		0.998	
Iron	1.548827E-05	66.76626	13.06299	192.2037	0.9999997		0.998	
Lead	0.0010201	66.71698	12.32309	191.1081	0.9999989		0.998	
Magnesium	1.9541E-06	66.75318	54.13805	198.2858	0.9998645		0.998	
Manganese	1.9023E-04	66.6723	7.712325	178.206	0.9999977		0.998	
Molybdenum	2.532375E-03	66.6763	18.20744	191.3626	0.9999991		0.998	
Nickel	0.0023474	66.66921	2.208373	128.2397	0.9999998		0.998	
Potassium	6.19805E-06	67.84749	4.378965	136.7522	0.9999826		0.998	
Selenium	2.586025E-04	66.68342	14.43857	186.7374	0.9999932		0.998	
Silver	3.829875E-05	67.02278	2.65557	151.9886	0.9993399		0.998	
Sodium	3.14975E-05	66.6672	2.732757	164.0251	0.9999995		0.998	
Strontium	0.001297	66.67646	2.774125	156.5296	0.9999983		0.998	
Thallium	5.6661E-04	66.66797	12.22457	187.2049	1		0.998	
Tin	8.1092E-04	66.68701	4.01868	160.1493	0.9999995		0.998	
Titanium	1.842175E-04	66.69058	1.885415	176.2847	0.9999973		0.998	
Vanadium	3.41995E-05	66.66749	5.165748	150.5063	0.9999997		0.998	
Zinc	3.923775E-03	66.66849	3.494308	155.1757	0.9999999		0.998	
Aluminum	1.43467E-05	66.6704	9.264397	190.852	1		0.998	
Antimony	0.0004965	66.68893	2.458937	127.2807	0.9999929		0.998	
Arsenic	2.17855E-04	66.74526	32.32518	193.4245	0.9999956		0.998	
Barium	8.23145E-03	66.68045	0.7822975	59.99176	0.9999778		0.998	
Beryllium	0.0022884	66.6673	50.38343	198.2501	0.9999999		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1224004	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	8/11/11 12:18	8/11/11 12:52	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.2462E-05	66.71439	3.893755	168.6881	0.9999883		0.998	
Cadmium	0.0120975	66.75237	5.824163	171.9642	0.9999728		0.998	
Calcium	5.052018E-05	66.6819	1.808463	139.2343	0.9999999		0.998	
Chromium	3.828725E-05	66.67749	11.65324	178.5198	1		0.998	
Cobalt	4.225575E-03	66.68435	1.285675	99.30036	0.9999992		0.998	
Copper	5.9733E-05	66.72826	1.929117	107.4736	0.9999993		0.998	
Iron	1.548827E-05	66.76626	13.06299	192.2037	0.9999997		0.998	
Lead	0.0010201	66.71698	12.32309	191.1081	0.9999989		0.998	
Magnesium	1.9541E-06	66.75318	54.13805	198.2858	0.9998645		0.998	
Manganese	1.9023E-04	66.6723	7.712325	178.206	0.9999977		0.998	
Molybdenum	2.532375E-03	66.6763	18.20744	191.3626	0.9999991		0.998	
Nickel	0.0023474	66.66921	2.208373	128.2397	0.9999998		0.998	
Potassium	6.19805E-06	67.84749	4.378965	136.7522	0.9999826		0.998	
Selenium	2.586025E-04	66.68342	14.43857	186.7374	0.9999932		0.998	
Silver	3.829875E-05	67.02278	2.65557	151.9886	0.9993399		0.998	
Sodium	3.14975E-05	66.6672	2.732757	164.0251	0.9999995		0.998	
Strontium	0.001297	66.67646	2.774125	156.5296	0.9999983		0.998	
Thallium	5.6661E-04	66.66797	12.22457	187.2049	1		0.998	
Tin	8.1092E-04	66.68701	4.01868	160.1493	0.9999995		0.998	
Titanium	1.842175E-04	66.69058	1.885415	176.2847	0.9999973		0.998	
Vanadium	3.41995E-05	66.66749	5.165748	150.5063	0.9999997		0.998	
Zinc	3.923775E-03	66.66849	3.494308	155.1757	0.9999999		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1237002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/22/11 13:01 8/22/11 13:32

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	2.106E-05	10000	2.083E-05			500000	2.0662E-05		
Antimony	0	0	100	0.0006279	1000	6.4717E-04					10000	6.4526E-04
Arsenic	0	0	100	0.0002447	1000	2.6452E-04					10000	0.0002534
Barium	0	0	50	0.0116856	1000	0.01103	5000	0.0111188				
Beryllium	0	0	100	0.003076	1000	0.0031141					10000	0.0029209
Boron	0	0	50	0.0000156	1000	1.599E-05					5000	1.4934E-05
Cadmium	0	0	100	0.016251	1000	0.016272					10000	0.015714
Calcium	0	0	1100	6.824546E-05	50000	6.7076E-05					10000	
Chromium	0	0	100	0.0000521	1000	0.0000505					10000	5.031E-05
Cobalt	0	0	100	0.0055378	1000	0.0054377					10000	0.0055672
Copper	0	0	100	0.0000788	1000	7.502E-05					10000	7.1504E-05
Iron	0	0	5100	2.05902E-05	10000	1.9666E-05			500000	1.87222E-05	10000	
Lead	0	0	100	0.0014119	1000	0.0013493					10000	0.0013972
Magnesium	0	0	5100		50000	2.7502E-06			500000	2.6732E-06	10000	
Manganese	0	0	100	0.0003051	1000	0.0002948	10000	2.8629E-04			10000	
Molybdenum	0	0	100	0.0037059	1000	0.0037658					10000	0.0038089
Nickel	0	0	100	0.0032332	1000	0.0030977					10000	0.0031737
Potassium	0	0	1000	9.64E-06	10000	1.3706E-05						
Selenium	0	0	100	0.0004094	1000	4.1009E-04					10000	4.0595E-04
Silver	0	0	20	0.00006	500	0.0000564	2000	5.9055E-05				
Sodium	0	0	1000		50000	4.569E-05						
Strontium	0	0	100	0.001748	1000	0.001744					10000	0.001665
Thallium	0	0	100	0.000747	1000	7.2974E-04					10000	0.0007375
Tin	0	0	50	0.0013752	1000	0.0013526					5000	1.36826E-03
Titanium	0	0	100	0.0002555	1000	2.5276E-04					10000	2.3927E-04
Vanadium	0	0	100	0.0000546	1000	5.314E-05					10000	5.1921E-05
Zinc	0	0	100	0.0070142	1000	0.0070289					10000	0.0070392

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1237002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/22/11 13:01 8/22/11 13:32

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.3238E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.6099E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3981E-05										
Selenium												
Silver												
Sodium	100000	4.4404E-05	500000	4.3084E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1237002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/22/11 13:01	8/22/11 13:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.5638E-05	66.67483	2.801948	148.9232	0.9999999		0.998	
Antimony	4.800825E-04	66.69112	182.7523	199.1177	0.9999998		0.998	
Arsenic	1.90655E-04	66.80229	10.55875	188.0281	0.9999786		0.998	
Barium	0.0084586	66.755	0.7354725	99.47636	0.9999961		0.998	
Beryllium	2.27775E-03	66.76751	11.21491	179.1461	0.9999588		0.998	
Boron	1.1631E-05	66.77197	3.43657	151.5637	0.9997915		0.998	
Cadmium	1.205925E-02	66.70105	5.323067	186.3451	0.9999883		0.998	
Calcium	4.963986E-05	66.80577	4.005742	156.4421	0.9999641		0.998	
Chromium	3.82275E-05	66.69974	0.865665	39.12218	0.9999998		0.998	
Cobalt	4.135675E-03	66.68014	1.32365	149.4586	0.9999944		0.998	
Copper	5.6331E-05	66.87613	1.01595	30.34736	0.9999814		0.998	
Iron	1.47446E-05	66.867	29.40728	195.1792	0.9999991		0.998	
Lead	0.0010396	66.71622	8.84881	189.5615	0.9999875		0.998	
Magnesium	2.008325E-06	66.72783	27.47614	197.9024	0.9999524		0.998	
Manganese	2.215475E-04	66.75699	5.327967	168.1125	0.9999925		0.998	
Molybdenum	2.82015E-03	66.68349	3.809087	175.8441	0.9999989		0.998	
Nickel	2.37615E-03	66.7075	1.170095	137.6955	0.9999932		0.998	
Potassium	9.33175E-06	69.9771	1.646375	108.173	0.9999994		0.998	
Selenium	3.0636E-04	66.66929	5.266905	180.409	0.9999993		0.998	
Silver	4.386375E-05	66.75714	10.94836	185.548	0.9998544		0.998	
Sodium	3.32945E-05	66.74321	15.78381	186.4258	0.9999524		0.998	
Strontium	1.28925E-03	66.73254	4.992875	159.6898	0.999979		0.998	
Thallium	5.5356E-04	66.67886	5.8605	183.5205	0.9999989		0.998	
Tin	1.024015E-03	66.67306	9.991998	193.4422	0.9999944		0.998	
Titanium	1.868825E-04	66.77464	2.146238	151.6518	0.9999725		0.998	
Vanadium	3.991525E-05	66.72311	1.647155	108.1449	0.9999956		0.998	
Zinc	5.270575E-03	66.66695	0.8455175	112.4177	1		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1241002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/17/11 12:53 8/17/11 13:26

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	2.0144E-05	10000	1.9992E-05			500000	2.0056E-05		
Antimony	0	0	100	0.0006815	1000	0.0006984					10000	6.9821E-04
Arsenic	0	0	100	0.00028	1000	2.9473E-04					10000	0.0002974
Barium	0	0	50	0.0121962	1000	0.011442	5000	0.0117764				
Beryllium	0	0	100	0.0031465	1000	0.0030853					10000	0.003118
Boron	0	0	50	0.0000166	1000	1.676E-05					5000	1.7036E-05
Cadmium	0	0	100	0.017066	1000	0.016867					10000	0.016243
Calcium	0	0	1100	0.0000711	50000	6.7896E-05					10000	
Chromium	0	0	100	0.000054	1000	5.111E-05					10000	5.3764E-05
Cobalt	0	0	100	0.005998	1000	0.0058173					10000	0.0059491
Copper	0	0	100	0.0000841	1000	0.0000791					10000	8.0632E-05
Iron	0	0	5100	2.201765E-05	10000	2.0301E-05			500000	0.0000206	10000	
Lead	0	0	100	0.0014727	1000	0.0014135					10000	0.0014407
Magnesium	0	0	5100		50000	2.6366E-06			500000	2.7574E-06	10000	
Manganese	0	0	100	0.0002593	1000	0.0002473	10000	2.5405E-04			10000	
Molybdenum	0	0	100	0.0034328	1000	0.0034775					10000	0.0035325
Nickel	0	0	100	0.0032162	1000	0.0032041					10000	0.0032831
Potassium	0	0	1000	7.53E-06	10000	8.738E-06						
Selenium	0	0	100	0.0003506	1000	3.5305E-04					10000	3.5099E-04
Silver	0	0	20	0.0000485	500	4.792E-05	2000	5.343E-05				
Sodium	0	0	1000		50000	4.3278E-05						
Strontium	0	0	100	0.001811	1000	0.001752					10000	0.001797
Thallium	0	0	100	0.0007908	1000	7.7491E-04					10000	7.8624E-04
Tin	0	0	50	0.0011218	1000	0.0011085					5000	1.12696E-03
Titanium	0	0	100	0.0002585	1000	2.4718E-04					10000	2.5494E-04
Vanadium	0	0	100	0.0000463	1000	4.457E-05					10000	4.6724E-05
Zinc	0	0	100	0.0053784	1000	0.0053084					10000	0.0053341

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1241002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/17/11 12:53 8/17/11 13:26

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.5824E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5825E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	8.9884E-06										
Selenium												
Silver												
Sodium	100000	4.2714E-05	500000	4.288E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_022	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1241002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/17/11 12:53	8/17/11 13:26

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.5048E-05	66.66795	13.82097	192.7158	1		0.998	
Antimony	5.195275E-04	66.68411	51.39754	198.0163	0.9999999		0.998	
Arsenic	2.180325E-04	66.75896	48.97189	197.1064	0.9999994		0.998	
Barium	8.85365E-03	66.7577	1.95464	154.2463	0.9999625		0.998	
Beryllium	2.33745E-03	66.67525	21.08735	197.1029	0.9999988		0.998	
Boron	1.2599E-05	66.68199	5.436135	178.4984	0.999988		0.998	
Cadmium	0.012544	66.72523	8.132035	191.8671	0.9999868		0.998	
Calcium	5.1205E-05	66.80128	2.9796	170.3722	0.9999906		0.998	
Chromium	3.97185E-05	66.74824	9.744148	189.6892	0.9999756		0.998	
Cobalt	0.0044411	66.68881	1.625203	169.1783	0.9999947		0.998	
Copper	6.0958E-05	66.75491	1.47641	143.4431	0.9999948		0.998	
Iron	1.572966E-05	66.83641	12.29124	183.5982	0.9999993		0.998	
Lead	1.081725E-03	66.70417	7.745803	191.4197	0.9999958		0.998	
Magnesium	1.994125E-06	66.76742	22.51665	195.9519	0.9998472		0.998	
Manganese	1.901625E-04	66.71669	4.890675	181.9338	0.9999923		0.998	
Molybdenum	0.0026107	66.68496	17.32015	196.2508	0.9999979		0.998	
Nickel	2.42585E-03	66.68205	1.21127	153.1301	0.999995		0.998	
Potassium	6.3141E-06	67.42506	2.134327	97.02118	0.9999982		0.998	
Selenium	2.6366E-04	66.66791	5.50438	174.7735	0.9999997		0.998	
Silver	3.74625E-05	66.99245	7.368565	179.7488	0.9992748		0.998	
Sodium	3.2218E-05	66.67072	3.670925	175.9897	0.9999977		0.998	
Strontium	0.00134	66.69312	1.204425	105.3152	0.9999936		0.998	
Thallium	5.879875E-04	66.67635	11.82688	192.4139	0.999998		0.998	
Tin	8.39315E-04	66.6731	1.619222	173.274	0.9999891		0.998	
Titanium	1.90155E-04	66.71298	2.651285	167.7926	0.9999897		0.998	
Vanadium	3.43985E-05	66.72166	2.569635	149.1592	0.9999786		0.998	
Zinc	4.005225E-03	66.67058	2.540462	177.3379	0.9999997		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0192

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-01
Sampled:	08/01/11 12:01	Received:	08/02/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.127	0.110	0.150	0.300	1	H1 J	SM4500NH3BG	1H31017	09/01/11 11:47
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1H08002	08/08/11 12:52
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	1H15004	08/15/11 10:47
16887-00-6	Chloride	7.07	0.170	0.330	1.00	1	M	E300.0	1H04010	08/04/11 21:18
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:32
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H15004	08/15/11 10:47
14808-79-8	Sulfate as SO4	27.1	0.330	1.00	2.50	1	M	E300.0	1H04010	08/04/11 21:18

ANALYSIS DATA SHEET

GW0193

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-03
Sampled:	08/01/11 12:01	Received:	08/02/11 09:00
% 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	H1 U	SM4500NH3BG	1H31017	09/01/11 11:49
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1H08002	08/08/11 12:56
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	1H15004	08/15/11 11:35
16887-00-6	Chloride	7.06	0.170	0.330	1.00	1	M	E300.0	1H04010	08/04/11 21:35
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:33
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H15004	08/15/11 11:35
14808-79-8	Sulfate as SO4	27.1	0.330	1.00	2.50	1	M	E300.0	1H04010	08/04/11 21:35

ANALYSIS DATA SHEET

GW0194

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108019-05
Sampled:	08/01/11 15:10	Received:	08/02/11 09:00
% 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	H1 U	SM4500NH3BG	1H31017	09/01/11 11:50
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	0.74	J	SM4500S2CF	1H08002	08/08/11 12:57
10-09-3	Alkalinity, Bicarbonate (as CACO3)	124	1.00	1.00	1.00	1		SM2320B	1H15004	08/15/11 11:43
16887-00-6	Chloride	12.3	0.170	0.330	1.00	1	M	E300.0	1H04010	08/04/11 21:53
NA	Nitrate/Nitrite as N	0.788	0.250	0.750	1.50	1	J	E353.2	1H16004	08/16/11 11:34
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H15004	08/15/11 11:43
14808-79-8	Sulfate as SO4	32.9	0.330	1.00	2.50	1	M	E300.0	1H04010	08/04/11 21:53

ANALYSIS DATA SHEET

GW0225

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 08/01/11 14:25
% Solids: 0.00

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1108019-07
Received: 08/02/11 09:00

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	H1 U	SM4500NH3BG	1H31017	09/01/11 11:51
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U	SM4500S2CF	1H08002	08/08/11 12:58
10-09-3	Alkalinity, Bicarbonate (as CACO3)	112	1.00	1.00	1.00	1		SM2320B	1H15004	08/15/11 11:50
16887-00-6	Chloride	8.01	0.170	0.330	1.00	1	M	E300.0	1H04010	08/04/11 22:10
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:36
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H15004	08/15/11 11:50
14808-79-8	Sulfate as SO4	27.9	0.330	1.00	2.50	1	M	E300.0	1H04010	08/04/11 22:10

ANALYSIS DATA SHEET

GW0222

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-09
Sampled:	08/02/11 10:41	Received:	08/03/11 09:00
% 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	1H11014	08/15/11 11:33
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1H08002	08/08/11 13:03
10-09-3	Alkalinity, Bicarbonate (as CACO3)	131	1.00	1.00	1.00	1		SM2320B	1H16002	08/16/11 14:35
16887-00-6	Chloride	22.0	0.170	0.330	1.00	1	M	E300.0	1H04011	08/05/11 05:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:46
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H16002	08/16/11 14:35
14808-79-8	Sulfate as SO4	32.7	0.330	1.00	2.50	1	M	E300.0	1H04011	08/05/11 05:26

ANALYSIS DATA SHEET

GW0223

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-11
Sampled:	08/02/11 10:41	Received:	08/03/11 09:00
% 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	1H11014	08/15/11 11:34
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1H08002	08/08/11 13:04
10-09-3	Alkalinity, Bicarbonate (as CACO3)	129	1.00	1.00	1.00	1		SM2320B	1H16002	08/16/11 15:15
16887-00-6	Chloride	21.7	0.170	0.330	1.00	1	M	E300.0	1H04011	08/05/11 05:43
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:48
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H16002	08/16/11 15:15
14808-79-8	Sulfate as SO4	32.6	0.330	1.00	2.50	1	M	E300.0	1H04011	08/05/11 05:43

ANALYSIS DATA SHEET

GW8022-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108046-13
Sampled:	08/02/11 08:20	Received:	08/03/11 09:00
% 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	1H11014	08/15/11 11:35
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1H08002	08/08/11 13:05
10-09-3	Alkalinity, Bicarbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H16002	08/16/11 15:22
16887-00-6	Chloride		0.170	0.330	1.00	1	M U	E300.0	1H04011	08/05/11 07:28
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:49
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H16002	08/16/11 15:22
14808-79-8	Sulfate as SO4		0.330	1.00	2.50	1	M U	E300.0	1H04011	08/05/11 07:28

ANALYSIS DATA SHEET

GW0224

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-03
Sampled:	08/03/11 14:55	Received:	08/04/11 09:00
% 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	1H11014	08/15/11 11:38
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U	SM4500S2CF	1H08002	08/08/11 13:07
10-09-3	Alkalinity, Bicarbonate (as CACO3)	132	1.00	1.00	1.00	1		SM2320B	1H17001	08/17/11 15:16
16887-00-6	Chloride	15.1	0.170	0.330	1.00	1	M	E300.0	1H09024	08/09/11 23:34
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:55
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H17001	08/17/11 15:16
14808-79-8	Sulfate as SO4	31.7	0.330	1.00	2.50	1	M	E300.0	1H09024	08/09/11 23:34

ANALYSIS DATA SHEET

GW0228

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108056-05
Sampled:	08/03/11 15:10	Received:	08/04/11 09:00
% 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	1H11014	08/15/11 11:39
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	0.74	J	SM4500S2CF	1H08002	08/08/11 13:08
10-09-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	1H17001	08/17/11 15:21
16887-00-6	Chloride	7.04	0.170	0.330	1.00	1	M	E300.0	1H09024	08/10/11 00:27
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:56
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H17001	08/17/11 15:21
14808-79-8	Sulfate as SO4	27.3	0.330	1.00	2.50	1	M	E300.0	1H09024	08/10/11 00:27

ANALYSIS DATA SHEET

GW0226

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-01
Sampled:	08/04/11 14:58	Received:	08/05/11 09:00
% 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	1H11014	08/15/11 11:44
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U	SM4500S2CF	1H08002	08/08/11 13:09
10-09-3	Alkalinity, Bicarbonate (as CACO3)	131	1.00	1.00	1.00	1		SM2320B	1H18006	08/18/11 10:07
16887-00-6	Chloride	27.0	0.170	0.330	1.00	1	M	E300.0	1H09024	08/10/11 01:19
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16010	08/16/11 12:05
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H18006	08/18/11 10:07
14808-79-8	Sulfate as SO4	43.8	0.330	1.00	2.50	1	M	E300.0	1H09024	08/10/11 01:19

ANALYSIS DATA SHEET

GW0227

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108078-03
Sampled:	08/04/11 11:28	Received:	08/05/11 09:00
% 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	1H11014	08/15/11 11:45
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	0.74	J	SM4500S2CF	1H08002	08/08/11 13:10
10-09-3	Alkalinity, Bicarbonate (as CACO3)	115	1.00	1.00	1.00	1		SM2320B	1H18006	08/18/11 10:20
16887-00-6	Chloride	29.2	0.170	0.330	1.00	1	M	E300.0	1H09024	08/10/11 01:36
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16010	08/16/11 12:06
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H18006	08/18/11 10:20
14808-79-8	Sulfate as SO4	46.0	0.330	1.00	2.50	1	M	E300.0	1H09024	08/10/11 01:36

ANALYSIS DATA SHEET

GW0245

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-01
Sampled:	08/05/11 13:24	Received:	08/08/11 09:00
% 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	1H11014	08/15/11 11:46
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	1H12011	08/12/11 11:55
10-09-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	1H18006	08/18/11 10:30
16887-00-6	Chloride	7.55	0.170	0.330	1.00	1	M	E300.0	1H10019	08/10/11 21:10
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16010	08/16/11 12:08
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H18006	08/18/11 10:30
14808-79-8	Sulfate as SO4	27.2	0.330	1.00	1.00	1		E300.0	1H10019	08/10/11 21:10

ANALYSIS DATA SHEET

GW0246

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108097-03
Sampled:	08/05/11 13:24	Received:	08/08/11 09:00
% 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	1H11014	08/15/11 11:47
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	1H12011	08/12/11 11:56
10-09-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	1H18006	08/18/11 10:40
16887-00-6	Chloride	7.55	0.170	0.330	1.00	1	M	E300.0	1H10019	08/10/11 21:27
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16010	08/16/11 12:09
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H18006	08/18/11 10:40
14808-79-8	Sulfate as SO4	27.2	0.330	1.00	1.00	1		E300.0	1H10019	08/10/11 21:27

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1E12407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E12407-ICV1	Chloride	4.800	4.757	99.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.63	98.5	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_022
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1H21702

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H21702-CCV1	Chloride	25.00	24.51	98.0	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.29	97.1	mg/L	+/- 10.00%
1H21702-CCV2	Chloride	25.00	24.37	97.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.29	97.2	mg/L	+/- 10.00%
1H21702-CCV3	Chloride	25.00	24.16	96.6	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.02	96.1	mg/L	+/- 10.00%
1H21702-CCV4	Chloride	25.00	24.08	96.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.95	95.8	mg/L	+/- 10.00%
1H21702-CCV5	Chloride	25.00	24.47	97.9	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.24	97.0	mg/L	+/- 10.00%
1H21702-CCV6	Chloride	25.00	24.12	96.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.88	95.5	mg/L	+/- 10.00%
1H21702-CCV7	Chloride	25.00	24.02	96.1	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.94	95.8	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_022
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1H22303

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22303-CCV1	Chloride	25.00	25.65	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.09	100	mg/L	+/- 10.00%
1H22303-CCV2	Chloride	25.00	26.28	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.92	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1H22305

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22305-CCV1	Chloride	25.00	26.09	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.64	103	mg/L	+/- 10.00%
1H22305-CCV2	Chloride	25.00	26.28	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.85	103	mg/L	+/- 10.00%
1H22305-CCV3	Chloride	25.00	26.38	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.09	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1227003
Sequence: 1H22705

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22705-ICV1	Ammonia as N	2.000	2.157	108	mg/L	+/- 10.00%
1H22705-CCV1	Ammonia as N	2.000	2.153	108	mg/L	+/- 10.00%
1H22705-CCV2	Ammonia as N	2.000	2.169	108	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_022
Project: Kirtland AFB 2011
Calibration: 1228001
Sequence: 1H22806

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22806-ICV1	Nitrate/Nitrite as N	1.200	1.201	100	mg/L	+/- 10.00%
1H22806-CCV1	Nitrate/Nitrite as N	1.200	1.155	96.2	mg/L	+/- 10.00%
1H22806-CCV2	Nitrate/Nitrite as N	1.200	1.143	95.2	mg/L	+/- 10.00%
1H22806-CCV3	Nitrate/Nitrite as N	1.200	1.126	93.8	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: kirtland_022
Project: Kirtland AFB 2011
Calibration: 1244001
Sequence: 1I24408

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1I24408-ICV1	Ammonia as N	2.000	2.183	109	mg/L	+/- 10.00%
1I24408-CCV1	Ammonia as N	2.000	2.101	105	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1H21702

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H21702-CRL1	Chloride	1.000	0.8050	80.5	mg/L	75 - 125
1H21702-CRL2	Sulfate as SO4	2.500	2.145	85.8	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1H22303

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22303-CRL1	Chloride	1.000	1.181	118	mg/L	75 - 125
	Sulfate as SO4	1.000	1.019	102	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1H22305

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22305-CRL1	Chloride	1.000	1.200	120	mg/L	75 - 125
1H22305-CRL2	Sulfate as SO4	2.500	2.727	109	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H04010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H04010-BLK1	Chloride	0.132	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.132	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H04011

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H04011-BLK1	Chloride	0.184	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	-0.123	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H08002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H08002-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H09024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H09024-BLK1	Chloride	-0.124	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_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H10019

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H10019-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H11014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H11014-BLK1	Ammonia as N	0.0266	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H12011

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H12011-BLK1	Sulfide	0.640	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H15004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H15004-BLK1	Alkalinity, Total (as CACO3)	-0.416	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H16002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H16002-BLK1	Alkalinity, Total (as CACO3)	-0.832	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H16004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H16004-BLK1	Nitrate/Nitrite as N	-0.0165	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H16010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H16010-BLK1	Nitrate/Nitrite as N	-0.00291	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H17001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H17001-BLK1	Alkalinity, Total (as CACO3)	0.832	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H18006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H18006-BLK1	Alkalinity, Total (as CACO3)	-0.832	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H31017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H31017-BLK1	Ammonia as N	-0.00366	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E12407
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E12407-ICB1	Chloride	-0.1530	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_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H21702
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H21702-CCB1	Chloride	0.0980	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.169	0.330	2.00	mg/L	U	E300.0
1H21702-CCB2	Chloride	0.299	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	-0.103	0.330	2.00	mg/L	U	E300.0
1H21702-CCB3	Chloride	-0.0520	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H21702-CCB4	Chloride	-0.0530	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H21702-CCB5	Chloride	-0.0430	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H21702-CCB6	Chloride	-0.0380	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H21702-CCB7	Chloride	-0.00100	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_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22303
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22303-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
1H22303-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22305
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22305-CCB1	Chloride	-0.138	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H22305-CCB2	Chloride	0.0570	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H22305-CCB3	Chloride	-0.0890	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_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22705
Calibration: 1227003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22705-ICB1	Ammonia as N	-0.01129	0.110	0.300	mg/L	U	SM4500NH3BG
1H22705-CCB1	Ammonia as N	-0.0115	0.110	0.300	mg/L	U	SM4500NH3BG
1H22705-CCB2	Ammonia as N	-0.0157	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22806
Calibration: 1228001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22806-ICB1	Nitrate/Nitrite as N	-0.007947	0.0500	0.300	mg/L	U	E353.2
1H22806-CCB1	Nitrate/Nitrite as N	-0.00828	0.0500	0.300	mg/L	U	E353.2
1H22806-CCB2	Nitrate/Nitrite as N	-0.00744	0.0500	0.300	mg/L	U	E353.2
1H22806-CCB3	Nitrate/Nitrite as N	-0.0110	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1I24408
Calibration: 1244001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1I24408-ICB1	Ammonia as N	-0.01430	0.110	0.300	mg/L	U	SM4500NH3BG
1I24408-CCB1	Ammonia as N	-0.0107	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0225

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H04010

% Solids:

Source Sample Name: **1108019-07**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	8.013	36.02	101		80 - 120
Sulfate as SO4	27.78	27.92	55.64	99.8		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	35.95	101	0.207		20	80 - 120
Sulfate as SO4	27.78	55.76	100	0.231		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0223

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H04011

% Solids:

Source Sample Name: **1108046-11**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	21.67	48.23	95.6		80 - 120
Sulfate as SO4	27.78	32.56	58.83	94.6		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	48.73	97.4	1.02		20	80 - 120
Sulfate as SO4	27.78	59.24	96.0	0.689		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0192

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H15004

% Solids:

Source Sample Name: **1108019-01**

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	105.7	229.3	111		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	227.9	110	0.607		20	75 - 125

GW0225

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1H04010
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0225

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1H04010-DUP2
Lab Source ID: 1108019-07
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	8.01	8.078	0.808		E300.0
Sulfate as SO4	20	27.9	28.05	0.461		E300.0

GW0223

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1H04011
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0223

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1H04011-DUP2
Lab Source ID: 1108046-11
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	21.7 B	22.06 B	1.77		E300.0
Sulfate as SO4	20	32.6	32.88	0.996		E300.0

GW0192

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1H31017
Preparation: pNone
Source Sample Name: GW0192

SDG: kirtland_022
Project: Kirtland AFB 2011
Laboratory ID: 1H31017-DUP1
Lab Source ID: 1108019-01
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.127 J	0.2585 J	68.2		SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04010	Laboratory ID:	1H04010-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	4.758	99.1	90 - 110
Sulfate as SO4	24.00	23.65	98.5	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04011	Laboratory ID:	1H04011-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	4.755	99.1	90 - 110
Sulfate as SO4	24.00	23.44	97.7	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H08002	Laboratory ID:	1H08002-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1160	933.7	80.5	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09024	Laboratory ID:	1H09024-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.803	100	90 - 110
Sulfate as SO4	24.00	23.61	98.4	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10019	Laboratory ID:	1H10019-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	4.739	98.7	90 - 110
Sulfate as SO4	24.00	22.99	95.8	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11014	Laboratory ID:	1H11014-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	4.969	99.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12011	Laboratory ID:	1H12011-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1200	1184	98.6	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1200	1300	108	9.39	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H15004	Laboratory ID:	1H15004-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	1000	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H16002	Laboratory ID:	1H16002-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1023	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H16004	Laboratory ID:	1H16004-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	32.00	30.08	94.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H16010	Laboratory ID:	1H16010-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	32.00	28.78	89.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H17001	Laboratory ID:	1H17001-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1032	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H18006	Laboratory ID:	1H18006-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	963.0	96.3	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H31017	Laboratory ID:	1H31017-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	4.959	99.2	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_022

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

Matrix: Water **Instrument:**

Analyte	MDL	MRL	Units	Method
Alkalinity, Bicarbonate (as CACO3)	1.00	1.00	mg/L	SM2320B
Alkalinity, Carbonate (as CACO3)	1.00	1.00	mg/L	SM2320B
Sulfide	0.800	4.00	mg/L	SM4500S2CF

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_022

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

Matrix: Water **Instrument:** WC-IC

Analyte	MDL	MRL	Units	Method
Chloride	0.170	0.500	mg/L	E300.0
Sulfate as SO4	0.330	2.00	mg/L	E300.0

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_022
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: WC-Lachat

Analyte	MDL	MRL	Units	Method
Nitrate/Nitrite as N	0.0500	0.300	mg/L	E353.2
Ammonia as N	0.110	0.300	mg/L	SM4500NH3BG

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H04010 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/04/11 10:29	5.00	5.00
GW0193	1108019-03	08/04/11 10:29	5.00	5.00
GW0194	1108019-05	08/04/11 10:29	5.00	5.00
GW0225	1108019-07	08/04/11 10:29	5.00	5.00
Blank	1H04010-BLK1	08/04/11 10:29	5.00	5.00
LCS	1H04010-BS1	08/04/11 10:29	5.00	5.00
GW0225	1H04010-DUP2	08/04/11 10:29	5.00	5.00
GW0225	1H04010-MS2	08/04/11 10:29	22.50	25.00
GW0225	1H04010-MSD2	08/04/11 10:29	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H04011 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0222	1108046-09	08/04/11 10:47	5.00	5.00
GW0223	1108046-11	08/04/11 10:47	5.00	5.00
GW8022-RB	1108046-13	08/04/11 10:47	5.00	5.00
Blank	1H04011-BLK1	08/04/11 10:47	5.00	5.00
LCS	1H04011-BS1	08/04/11 10:47	5.00	5.00
GW0223	1H04011-DUP2	08/04/11 10:47	5.00	5.00
GW0223	1H04011-MS2	08/04/11 10:47	22.50	25.00
GW0223	1H04011-MSD2	08/04/11 10:47	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H08002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/08/11 10:45	290.00	200.00
GW0193	1108019-03	08/08/11 10:45	290.00	200.00
GW0194	1108019-05	08/08/11 10:45	270.00	200.00
GW0225	1108019-07	08/08/11 10:45	270.00	200.00
GW0222	1108046-09	08/08/11 10:45	290.00	200.00
GW0223	1108046-11	08/08/11 10:45	295.00	200.00
GW8022-RB	1108046-13	08/08/11 10:45	295.00	200.00
GW0224	1108056-03	08/08/11 10:45	270.00	200.00
GW0228	1108056-05	08/08/11 10:45	270.00	200.00
GW0226	1108078-01	08/08/11 10:45	295.00	200.00
GW0227	1108078-03	08/08/11 10:45	270.00	200.00
Blank	1H08002-BLK1	08/08/11 10:45	250.00	200.00
LCS	1H08002-BS1	08/08/11 10:45	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H09024 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/09/11 14:57	5.00	5.00
GW0228	1108056-05	08/09/11 14:57	5.00	5.00
GW0226	1108078-01	08/09/11 14:57	5.00	5.00
GW0227	1108078-03	08/09/11 14:57	5.00	5.00
Blank	1H09024-BLK1	08/09/11 14:57	5.00	5.00
LCS	1H09024-BS1	08/09/11 14:57	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H10019 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0245	1108097-01	08/09/11 14:57	5.00	5.00
GW0246	1108097-03	08/09/11 14:57	5.00	5.00
Blank	1H10019-BLK1	08/10/11 16:19	5.00	5.00
LCS	1H10019-BS1	08/10/11 16:19	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H11014 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0222	1108046-09	08/11/11 12:19	100.00	100.00
GW0223	1108046-11	08/11/11 12:19	100.00	100.00
GW8022-RB	1108046-13	08/11/11 12:19	100.00	100.00
GW0224	1108056-03	08/11/11 12:19	100.00	100.00
GW0228	1108056-05	08/11/11 12:19	100.00	100.00
GW0226	1108078-01	08/11/11 12:19	100.00	100.00
GW0227	1108078-03	08/11/11 12:19	100.00	100.00
GW0245	1108097-01	08/11/11 12:19	100.00	100.00
GW0246	1108097-03	08/11/11 12:19	100.00	100.00
Blank	1H11014-BLK1	08/11/11 12:19	100.00	100.00
LCS	1H11014-BS1	08/11/11 12:19	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H12011 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0245	1108097-01	08/12/11 09:01	270.00	200.00
GW0246	1108097-03	08/12/11 09:01	290.00	200.00
Blank	1H12011-BLK1	08/12/11 09:01	250.00	200.00
LCS	1H12011-BS1	08/12/11 09:01	3.00	250.00
LCS Dup	1H12011-BSD1	08/12/11 09:01	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H15004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/15/11 07:57	25.00	25.00
GW0193	1108019-03	08/15/11 07:57	25.00	25.00
GW0194	1108019-05	08/15/11 07:57	25.00	25.00
GW0225	1108019-07	08/15/11 07:57	25.00	25.00
Blank	1H15004-BLK1	08/15/11 07:57	25.00	25.00
LCS	1H15004-BS1	08/15/11 07:57	5.00	25.00
GW0192	1H15004-MS1	08/15/11 07:57	22.50	25.00
GW0192	1H15004-MSD1	08/15/11 07:57	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H16002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0222	1108046-09	08/16/11 07:22	25.00	25.00
GW0223	1108046-11	08/16/11 07:22	25.00	25.00
GW8022-RB	1108046-13	08/16/11 07:22	25.00	25.00
Blank	1H16002-BLK1	08/16/11 07:22	25.00	25.00
LCS	1H16002-BS1	08/16/11 07:22	5.00	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H16004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/16/11 07:38	4.00	20.00
GW0193	1108019-03	08/16/11 07:38	4.00	20.00
GW0194	1108019-05	08/16/11 07:38	4.00	20.00
GW0225	1108019-07	08/16/11 07:38	4.00	20.00
GW0222	1108046-09	08/16/11 07:38	4.00	20.00
GW0223	1108046-11	08/16/11 07:38	4.00	20.00
GW8022-RB	1108046-13	08/16/11 07:38	4.00	20.00
GW0224	1108056-03	08/16/11 07:38	4.00	20.00
GW0228	1108056-05	08/16/11 07:38	4.00	20.00
Blank	1H16004-BLK1	08/16/11 07:38	20.00	20.00
LCS	1H16004-BS1	08/16/11 07:38	1.00	20.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H16010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0226	1108078-01	08/16/11 11:48	4.00	20.00
GW0227	1108078-03	08/16/11 11:48	4.00	20.00
GW0245	1108097-01	08/16/11 11:48	4.00	20.00
GW0246	1108097-03	08/16/11 11:48	4.00	20.00
Blank	1H16010-BLK1	08/16/11 11:48	20.00	20.00
LCS	1H16010-BS1	08/16/11 11:48	1.00	20.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H17001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0224	1108056-03	08/17/11 07:29	25.00	25.00
GW0228	1108056-05	08/17/11 07:29	25.00	25.00
Blank	1H17001-BLK1	08/17/11 07:29	25.00	25.00
LCS	1H17001-BS1	08/17/11 07:29	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H18006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0226	1108078-01	08/18/11 08:32	25.00	25.00
GW0227	1108078-03	08/18/11 08:32	25.00	25.00
GW0245	1108097-01	08/18/11 08:32	25.00	25.00
GW0246	1108097-03	08/18/11 08:32	25.00	25.00
Blank	1H18006-BLK1	08/18/11 08:32	25.00	25.00
LCS	1H18006-BS1	08/18/11 08:32	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: kirtland_022

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

Batch: 1H31017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0192	1108019-01	08/31/11 11:00	100.00	100.00
GW0193	1108019-03	08/31/11 11:00	100.00	100.00
GW0194	1108019-05	08/31/11 11:00	100.00	100.00
GW0225	1108019-07	08/31/11 11:00	100.00	100.00
Blank	1H31017-BLK1	08/31/11 11:00	100.00	100.00
LCS	1H31017-BS1	08/31/11 11:00	100.00	100.00
GW0192	1H31017-DUP1	08/31/11 11:00	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1H15004-BLK1	081511-004	08/15/11 10:20
LCS	1H15004-BS1	081511-003	08/15/11 10:30
GW0192	1H15004-MS1	081511-009	08/15/11 10:55
GW0192	1H15004-MSD1	081511-010	08/15/11 11:20
LCS	1H16002-BS1	081611-003	08/16/11 12:35
Blank	1H16002-BLK1	081611-004	08/16/11 13:00
LCS	1H17001-BS1	081711-003	08/17/11 15:00
Blank	1H17001-BLK1	081711-004	08/17/11 15:12
LCS	1H18006-BS1	081811-003	08/18/11 09:40
Blank	1H18006-BLK1	081811-004	08/18/11 09:55

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_022

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1H08002-BLK1	080811-003	08/08/11 12:43
LCS	1H08002-BS1	080811-002	08/08/11 12:45
LCS	1H12011-BS1	081211-002	08/12/11 11:50
LCS Dup	1H12011-BSD1	081211-003	08/12/11 11:52
Blank	1H12011-BLK1	081211-004	08/12/11 11:54

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12407	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12407-CAL1	040911-003	04/09/11 12:05
Cal Standard	1E12407-CAL2	040911-004	04/09/11 12:22
Cal Standard	1E12407-CAL3	040911-005	04/09/11 12:39
Cal Standard	1E12407-CAL4	040911-006	04/09/11 12:57
Cal Standard	1E12407-CAL5	040911-007	04/09/11 13:14
Cal Standard	1E12407-CAL6	040911-008	04/09/11 13:32
Cal Standard	1E12407-CAL7	040911-009	04/09/11 13:49
Cal Standard	1E12407-CAL8	040911-010	04/09/11 14:07
Initial Cal Check	1E12407-ICV1	040911-011	04/09/11 14:24
Initial Cal Blank	1E12407-ICB1	040911-012	04/09/11 14:41

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21702	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H21702-CCV1	080411-002	08/04/11 12:00
Calibration Blank	1H21702-CCB1	080411-003	08/04/11 12:18
Instrument RL Check	1H21702-CRL1	080411-004	08/04/11 12:35
Instrument RL Check	1H21702-CRL2	080411-005	08/04/11 12:53
LCS	1H04010-BS1	080411-006	08/04/11 13:10
Blank	1H04010-BLK1	080411-007	08/04/11 13:28
LCS	1H04011-BS1	080411-008	08/04/11 13:45
Blank	1H04011-BLK1	080411-009	08/04/11 14:02
Calibration Check	1H21702-CCV2	080411-015	08/04/11 15:47
Calibration Blank	1H21702-CCB2	080411-016	08/04/11 16:04
Calibration Check	1H21702-CCV3	080411-027	08/04/11 19:16
Calibration Blank	1H21702-CCB3	080411-028	08/04/11 19:33
GW0192	1108019-01	080411-034	08/04/11 21:18
GW0193	1108019-03	080411-035	08/04/11 21:35
GW0194	1108019-05	080411-036	08/04/11 21:53
GW0225	1108019-07	080411-037	08/04/11 22:10
Calibration Check	1H21702-CCV4	080411-038	08/04/11 22:28
Calibration Blank	1H21702-CCB4	080411-039	08/04/11 22:45
GW0225	1H04010-MS2	080411-040	08/04/11 23:02
GW0225	1H04010-MSD2	080411-041	08/04/11 23:20
GW0225	1H04010-DUP2	080411-042	08/04/11 23:37
Calibration Check	1H21702-CCV5	080411-053	08/05/11 02:49
Calibration Blank	1H21702-CCB5	080411-054	08/05/11 03:06
GW0222	1108046-09	080411-062	08/05/11 05:26
GW0223	1108046-11	080411-063	08/05/11 05:43
Calibration Check	1H21702-CCV6	080411-064	08/05/11 06:01
Calibration Blank	1H21702-CCB6	080411-065	08/05/11 06:18
GW0223	1H04011-MS2	080411-066	08/05/11 06:35
GW0223	1H04011-MSD2	080411-067	08/05/11 06:53
GW0223	1H04011-DUP2	080411-068	08/05/11 07:10
GW8022-RB	1108046-13	080411-069	08/05/11 07:28
Calibration Check	1H21702-CCV7	080411-070	08/05/11 07:45

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21702	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	1H21702-CCB7	080411-071	08/05/11 08:03

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22303	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22303-CCV1	081011-002	08/10/11 17:41
Calibration Blank	1H22303-CCB1	081011-003	08/10/11 17:58
Instrument RL Check	1H22303-CRL1	081011-004	08/10/11 18:15
LCS	1H10019-BS1	081011-006	08/10/11 18:50
Blank	1H10019-BLK1	081011-007	08/10/11 19:08
GW0245	1108097-01	081011-014	08/10/11 21:10
GW0246	1108097-03	081011-015	08/10/11 21:27
Calibration Check	1H22303-CCV2	081011-021	08/10/11 23:11
Calibration Blank	1H22303-CCB2	081011-022	08/10/11 23:29

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22305	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22305-CCV1	080911-002	08/09/11 18:56
Calibration Blank	1H22305-CCB1	080911-003	08/09/11 19:13
Instrument RL Check	1H22305-CRL1	080911-004	08/09/11 19:31
Instrument RL Check	1H22305-CRL2	080911-005	08/09/11 19:48
LCS	1H09024-BS1	080911-006	08/09/11 20:05
Blank	1H09024-BLK1	080911-007	08/09/11 20:23
GW0224	1108056-03	080911-018	08/09/11 23:34
Calibration Check	1H22305-CCV2	080911-019	08/09/11 23:52
Calibration Blank	1H22305-CCB2	080911-020	08/10/11 00:09
GW0228	1108056-05	080911-021	08/10/11 00:27
GW0226	1108078-01	080911-024	08/10/11 01:19
GW0227	1108078-03	080911-025	08/10/11 01:36
Calibration Check	1H22305-CCV3	080911-031	08/10/11 03:21
Calibration Blank	1H22305-CCB3	080911-032	08/10/11 03:38

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22705	Instrument:	WC-Lachat
Calibration:	1227003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22705-CAL1	M_8-15-2011_11-16-38AM-00	08/15/11 11:18
Cal Standard	1H22705-CAL3	M_8-15-2011_11-16-38AM-00	08/15/11 11:19
Cal Standard	1H22705-CAL2	M_8-15-2011_11-16-38AM-00	08/15/11 11:19
Cal Standard	1H22705-CAL4	M_8-15-2011_11-16-38AM-00	08/15/11 11:20
Cal Standard	1H22705-CAL5	M_8-15-2011_11-16-38AM-00	08/15/11 11:21
Cal Standard	1H22705-CAL6	M_8-15-2011_11-16-38AM-00	08/15/11 11:22
Cal Standard	1H22705-CAL7	M_8-15-2011_11-16-38AM-00	08/15/11 11:23
Cal Standard	1H22705-CAL8	M_8-15-2011_11-16-38AM-00	08/15/11 11:24
Initial Cal Check	1H22705-ICV1	M_8-15-2011_11-16-38AM-00	08/15/11 11:25
Initial Cal Blank	1H22705-ICB1	M_8-15-2011_11-16-38AM-01	08/15/11 11:26
Blank	1H11014-BLK1	M_8-15-2011_11-16-38AM-01	08/15/11 11:27
LCS	1H11014-BS1	M_8-15-2011_11-16-38AM-01	08/15/11 11:28
GW0222	1108046-09	M_8-15-2011_11-16-38AM-01	08/15/11 11:33
GW0223	1108046-11	M_8-15-2011_11-16-38AM-01	08/15/11 11:34
GW8022-RB	1108046-13	M_8-15-2011_11-16-38AM-01	08/15/11 11:35
GW0224	1108056-03	M_8-15-2011_11-16-38AM-02	08/15/11 11:38
GW0228	1108056-05	M_8-15-2011_11-16-38AM-02	08/15/11 11:39
Calibration Check	1H22705-CCV1	M_8-15-2011_11-16-38AM-02	08/15/11 11:40
Calibration Blank	1H22705-CCB1	M_8-15-2011_11-16-38AM-02	08/15/11 11:41
GW0226	1108078-01	M_8-15-2011_11-16-38AM-02	08/15/11 11:44
GW0227	1108078-03	M_8-15-2011_11-16-38AM-03	08/15/11 11:45
GW0245	1108097-01	M_8-15-2011_11-16-38AM-03	08/15/11 11:46
GW0246	1108097-03	M_8-15-2011_11-16-38AM-03	08/15/11 11:47
Calibration Check	1H22705-CCV2	M_8-15-2011_11-16-38AM-03	08/15/11 11:52
Calibration Blank	1H22705-CCB2	M_8-15-2011_11-16-38AM-03	08/15/11 11:53

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22806	Instrument:	WC-Lachat
Calibration:	1228001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22806-CAL1	M_8-16-2011_11-02-00AM-00	08/16/11 11:03
Cal Standard	1H22806-CAL2	M_8-16-2011_11-02-00AM-00	08/16/11 11:04
Cal Standard	1H22806-CAL3	M_8-16-2011_11-02-00AM-00	08/16/11 11:05
Cal Standard	1H22806-CAL4	M_8-16-2011_11-02-00AM-00	08/16/11 11:07
Cal Standard	1H22806-CAL5	M_8-16-2011_11-02-00AM-00	08/16/11 11:08
Cal Standard	1H22806-CAL6	M_8-16-2011_11-02-00AM-00	08/16/11 11:10
Cal Standard	1H22806-CAL7	M_8-16-2011_11-02-00AM-00	08/16/11 11:11
Cal Standard	1H22806-CAL8	M_8-16-2011_11-02-00AM-00	08/16/11 11:13
Initial Cal Check	1H22806-ICV1	M_8-16-2011_11-02-00AM-00	08/16/11 11:14
Initial Cal Blank	1H22806-ICB1	M_8-16-2011_11-02-00AM-01	08/16/11 11:16
Blank	1H16004-BLK1	M_8-16-2011_11-02-00AM-01	08/16/11 11:18
LCS	1H16004-BS1	M_8-16-2011_11-02-00AM-01	08/16/11 11:20
GW0192	1108019-01	M_8-16-2011_11-02-00AM-02	08/16/11 11:32
GW0193	1108019-03	M_8-16-2011_11-02-00AM-02	08/16/11 11:33
GW0194	1108019-05	M_8-16-2011_11-02-00AM-02	08/16/11 11:34
GW0225	1108019-07	M_8-16-2011_11-02-00AM-02	08/16/11 11:36
Calibration Check	1H22806-CCV1	M_8-16-2011_11-02-00AM-02	08/16/11 11:39
Calibration Blank	1H22806-CCB1	M_8-16-2011_11-02-00AM-02	08/16/11 11:40
GW0222	1108046-09	M_8-16-2011_11-02-00AM-03	08/16/11 11:46
GW0223	1108046-11	M_8-16-2011_11-02-00AM-03	08/16/11 11:48
GW8022-RB	1108046-13	M_8-16-2011_11-02-00AM-03	08/16/11 11:49
GW0224	1108056-03	M_8-16-2011_11-02-00AM-03	08/16/11 11:55
GW0228	1108056-05	M_8-16-2011_11-02-00AM-03	08/16/11 11:56
Calibration Check	1H22806-CCV2	M_8-16-2011_11-02-00AM-04	08/16/11 11:59
Calibration Blank	1H22806-CCB2	M_8-16-2011_11-02-00AM-04	08/16/11 12:01
Blank	1H16010-BLK1	M_8-16-2011_11-02-00AM-04	08/16/11 12:02
LCS	1H16010-BS1	M_8-16-2011_11-02-00AM-04	08/16/11 12:04
GW0226	1108078-01	M_8-16-2011_11-02-00AM-04	08/16/11 12:05
GW0227	1108078-03	M_8-16-2011_11-02-00AM-04	08/16/11 12:06
GW0245	1108097-01	M_8-16-2011_11-02-00AM-04	08/16/11 12:08
GW0246	1108097-03	M_8-16-2011_11-02-00AM-04	08/16/11 12:09
Calibration Check	1H22806-CCV3	M_8-16-2011_11-02-00AM-05	08/16/11 12:20

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22806	Instrument:	WC-Lachat
Calibration:	1228001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	1H22806-CCB3	M_8-16-2011_11-02-00AM-05	08/16/11 12:21

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_022
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1I24408	Instrument:	WC-Lachat
Calibration:	1244001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1I24408-CAL1	)M_9-1-2011_11-35-45AM-00	09/01/11 11:36
Cal Standard	1I24408-CAL2	)M_9-1-2011_11-35-45AM-00	09/01/11 11:37
Cal Standard	1I24408-CAL3	)M_9-1-2011_11-35-45AM-00	09/01/11 11:38
Cal Standard	1I24408-CAL4	)M_9-1-2011_11-35-45AM-00	09/01/11 11:39
Cal Standard	1I24408-CAL5	)M_9-1-2011_11-35-45AM-00	09/01/11 11:40
Cal Standard	1I24408-CAL6	)M_9-1-2011_11-35-45AM-00	09/01/11 11:41
Cal Standard	1I24408-CAL7	)M_9-1-2011_11-35-45AM-00	09/01/11 11:42
Cal Standard	1I24408-CAL8	)M_9-1-2011_11-35-45AM-00	09/01/11 11:43
Initial Cal Check	1I24408-ICV1	)M_9-1-2011_11-35-45AM-00	09/01/11 11:44
Initial Cal Blank	1I24408-ICB1	)M_9-1-2011_11-35-45AM-01	09/01/11 11:45
Blank	1H31017-BLK1	)M_9-1-2011_11-35-45AM-01	09/01/11 11:46
GW0192	1108019-01	)M_9-1-2011_11-35-45AM-01	09/01/11 11:47
LCS	1H31017-BS1	)M_9-1-2011_11-35-45AM-01	09/01/11 11:47
GW0192	1H31017-DUP1	)M_9-1-2011_11-35-45AM-01	09/01/11 11:48
GW0193	1108019-03	)M_9-1-2011_11-35-45AM-01	09/01/11 11:49
GW0194	1108019-05	)M_9-1-2011_11-35-45AM-01	09/01/11 11:50
GW0225	1108019-07	)M_9-1-2011_11-35-45AM-01	09/01/11 11:51
Calibration Check	1I24408-CCV1	)M_9-1-2011_11-35-45AM-02	09/01/11 11:54
Calibration Blank	1I24408-CCB1	)M_9-1-2011_11-35-45AM-02	09/01/11 11:55