ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_052

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

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

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

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

Original Report Date: May 24, 2012
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 730

THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

Sample GW0617 for Total Metals by SW6010B was received in a 250mL bulk container instead of a Bel-Art container.

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

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

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

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

SW8260B:
Note – Samples 1205021-09 was analyzed at a 5x only and 1205028-11 was analyzed at a 2x only due to the samples foaming on the instrument during screening.

The following continuing calibration verifications exceeded criteria:
2E12512-CCV1 with a positive bias for Dichlorodifluoromethane and a negative bias for Hexachlorobutadiene
2E12804-CCV1 with a negative bias for Bromomethane and a positive bias for Dichlorodifluoromethane
2E12903-CCV1 with a negative bias for Bromomethane and Chloromethane and a positive bias for Carbon Tetrachloride, Dichlorodifluoromethane, and 1,1,12-Tetrachloroethane

The following blanks have positive results:
2E07011-BLK1 for Hexachlorobutadiene; note – the concentration for Hexachlorobutadiene in the method blank is less than ½ the LOQ

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

SW8270C BNA:
The following batch spikes exceeded criteria:
2E01006-BS1/BSD1 with a positive bias for Butylbenzylphthalate
2E04003-BS1 with a negative bias for Caprolactam
2E08006-BS1 with a negative bias for Caprolactam

The following matrix spikes exceeded criteria:
2E04003-MS1/MSD1 (1205021-03) with a negative bias for Caprolactam
2E08006-MS1/MSD1 (1205028-13) with a negative bias for Caprolactam

The following continuing calibration verifications exceeded criteria:
2E12911-CCV2 with a positive bias for Benzidine
2E13010-CCV1 with a positive bias for Nitrobenzene-d5 and 2,4,6-Tribromophenol
2E13107-CCV1 with a positive bias for 2-Fluorobiphenyl

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

SW8015B DRO:
The following surrogate exceeded the retention time window:
o-Terphenyl in 2E03004-BSD1, 1205009-01, and 2E13005-CCV2; note – the result bias due to the retention time shift was determined to be negligible for all affected samples and QC.

No additional anomalies or deviations are noted.

SW8015B GRO:
No anomalies or deviations are noted.

SW8011:
No anomalies or deviations are noted.

SW6010B:
The following compounds are qualified with an M to indicate that the LOD and/or DL were raised due to interference:
Lead in 1205009-01, -03, -05, -07, -11, 1205021-01, 1205028-07, and -11

The following matrix spikes exceeded criteria:
2E08002-MS1/MSD1 (1205021-03) exceeded criteria for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked
2E14022-MS1/MSD1 (1205028-13) exceeded criteria for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

The following post spike exceeded criteria:
2E08002-PS1 (1205021-03) exceeded criteria for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

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

Wet Chemistry:
No anomalies or deviations are noted.

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

Analytical Report Terms and Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard failed criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

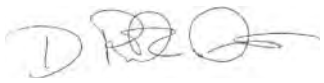
BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible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

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

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

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

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



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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

1205009

Shaw
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW200

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

Samples Shipment Date: 01 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617946

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: 5/1/12 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) jack dwilley — Date: 5-02-12 Time: 0820
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
↓	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
02	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
↓	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

1205009

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW200

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0526	KAFB-106022-WG-GW0526-REG	30 APR 2012	16:44	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
03	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
04	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0553	KAFB-106049-WG-GW0553-REG	30 APR 2012	11:57	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
05	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0554	KAFB-106050-WG-GW0554-REG	30 APR 2012	14:50	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
07	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1205009

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW200

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0602	KAFB-106093-WG-GW0602-REG	01 MAY 2012	11:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
09	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
10	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0617	KAFB-106103-WG-GW0617-REG	30 APR 2012	12:57	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
12	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0618	KAFB-106104-WG-GW0618-REG	30 APR 2012	10:24	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
13	GW8200-TB	FIELDQC-BW-GW8200-TB-TB	30 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/02/12 @ 0820

1. Tracking # 7946 (last 4 digits, FedEx) WO# 1205009

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 14 *Degrees Celsius + correction factor* - 0.2 = 12

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/02/12 @ 0820

1. Tracking # 7957 (last 4 digits, FedEx) WO# 1205009

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

* Sample GW0617 for Total Metals was in a 250mL Bulk instead of a Bel-Art container.

Cooler Received/Opened On_ 05/02/12 @ 0820

1. Tracking # 7968 (last 4 digits, FedEx) WO# 1205009

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 Front.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/02/12 @ 0820

1. Tracking # 7979 (last 4 digits, FedEx) WO# 1205009

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.5 *Degrees Celsius + correction factor - 0.2* = 4.3

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

120 5021

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW201
Page 1 of 4

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

Samples Shipment Date: 02 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617980

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

1. Relinquished By (Signature/Affiliation) Date: 5/3/12 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

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

1. Received By (Signature/Affiliation) jackdeuth jr. Date: 5-3-12 Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02 GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW201

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0525	KAFB-106021-WG-GW0525-REG	01 MAY 2012	14:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
03	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0538	KAFB-106036-WG-GW0538-REG	02 MAY 2012	13:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0538-MS	KAFB-106036-WG-GW0538-MS-MS	02 MAY 2012	13:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium,			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW201

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
03 GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	40 mL VOA VIAL	3	None except cool to 4 C	Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	40 mL VOA VIAL	3	HCl<pH 2	EDB by SW846 8011			N		
GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	250 mL HDPE	1	None except cool to 4 C	VOCs by SW846 8260B			N		
GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	250 mL HDPE	1	Zinc Acetate and NaOH>!	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	1000 mL A GLASS	2	None except cool to 4 C	Sulfide by SM4500S-2CF			N		
GW0538-MSD	KAFB-106036-WG-GW0538-MSD-MSD	02 MAY 2012	13:16	250 mL HDPE	1	H2SO4<pH 2	SVOCs by SW846 8270C			N		
05 GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	40 mL VOA VIAL	3	HCl<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	1000 mL A GLASS	1	None except cool to 4 C	TPH as Gasoline by SW846 8015B			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	250 mL HDPE	1	HNO3<pH 2	TPH as Diesel by SW846 8015B			N		
06 GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
05 GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	40 mL VOA VIAL	3	None except cool to 4 C	Dissolved Iron and Manganese by SW846 6010C			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	40 mL VOA VIAL	3	HCl<pH 2	EDB by SW846 8011			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	250 mL HDPE	1	None except cool to 4 C	VOCs by SW846 8260B			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	250 mL HDPE	1	H2SO4<pH 2	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	250 mL HDPE	1	Zinc Acetate and NaOH>!	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0539	KAFB-106037-WG-GW0539-REG	02 MAY 2012	10:44	1000 mL A GLASS	2	None except cool to 4 C	Sulfide by SM4500S-2CF			N		
07 GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	SVOCs by SW846 8270C			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	40 mL VOA VIAL	3	None except cool to 4 C	VOCs by SW846 8260B			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	1000 mL A GLASS	2	None except cool to 4 C	EDB by SW846 8011			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	SVOCs by SW846 8270C			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	250 mL HDPE	1	H2SO4<pH 2	Sulfide by SM4500S-2CF			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	250 mL HDPE	1	None except cool to 4 C	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
08 GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07 GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	1000 mL A GLASS	1	None except cool to 4 C	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0561	KAFB-106057-WG-GW0561-REG	02 MAY 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Diesel by SW846 8015B			N		
09 GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	250 mL HDPE	1	HNO3<pH 2	TPH as Gasoline by SW846 8015B			N		
							Dissolved Iron and Manganese by					

5-3-12

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1205021

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW201

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	250 mL HDPE	1	None except cool to 4 C	SW846 6010C Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
GW0601	KAFB-106092-WG-GW0601-REG	01 MAY 2012	15:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW8201-TB	FIELDQC-BW-GW8201-TB-TB	02 MAY 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/03/12 @ 0830

WO# 1205021

1. Tracking #_____7980_____(last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/03/12 @ 0830

WO# 1205021

1. Tracking # 7990 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.1 *Degrees Celsius + correction factor - 0.2* = 0.9

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/03/12 @ 0830

WO# 1205021

1. Tracking # 8004 (last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/03/12 @ 0830

WO# 1205021

1. Tracking #_8015_(last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

1205028

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW202

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

Samples Shipment Date: 03 MAY 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306618026

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 Identification:
Non-hazard ✓ Flammable Skin Irritant Poison B Radiological Unknown

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 5/3/12 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) jack deville jr. Date: 5-4-12 Time: 0820
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW202

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0507	KAFB-106002-WG-GW0507-REG	03 MAY 2012	15:48	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0524	KAFB-106020-WG-GW0524-REG	03 MAY 2012	10:28	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0537	KAFB-106035-WG-GW0537-REG	02 MAY 2012	15:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW202

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0555	KAFB-106051-WG-GW0555-REG	03 MAY 2012	13:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0556	KAFB-106051-WG-GW0556-FD	03 MAY 2012	13:25	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
11	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0580	KAFB-106073-WG-GW0580-REG	03 MAY 2012	16:05	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		

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Shaw
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW202

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
14	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0581	KAFB-106074-WG-GW0581-REG	03 MAY 2012	11:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
14	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0581-MS	KAFB-106074-WG-GW0581-MS-MS	03 MAY 2012	11:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
14	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by			N		

1205028

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW202

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
							SW846 6010C					
13 GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0581-MSD	KAFB-106074-WG-GW0581-MSD-MSD	03 MAY 2012	11:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
16 18 JDS 4-12 GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15 14 SP 5-4-12 GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0582	KAFB-106075-WG-GW0582-REG	03 MAY 2012	13:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
17 GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
18 GW0616	KAFB-106023-WG-GW0616-REG	02 MAY 2012	15:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19 GW8052-AB	FIELDQC-BW-GW8052-AB-AB	03 MAY 2012	11:26	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
20 GW8053-AB	FIELDQC-BW-GW8053-AB-AB	03 MAY 2012	10:28	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
21 GW8202-TB	FIELDQC-BW-GW8202-TB-TB	03 MAY 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 05/04/12 @ 0820

1. Tracking # 8060 (last 4 digits, FedEx) WO# 1205028

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.7 *Degrees Celsius + correction factor -0.2* = 0.5

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

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

If yes, how many and where: FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/04/12 @ 0820

WO# 1205028

1. Tracking # 8026 (last 4 digits, FedEx)

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.3 Degrees Celsius + correction factor -0.2 = 3.1

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/04/12 @ 0820

WO# 1205028

1. Tracking # 8037 (last 4 digits, FedEx)

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.0 Degrees Celsius + correction factor -0.2 = 2.8

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

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

If yes, how many and where: 1-FRONT

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

6. Were custody papers inside cooler? YES...NO...NA 5/4/12

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/04/12 @ 0820

WO# 1205028

1. Tracking # 8059 (last 4 digits, FedEx)

Courier: ____FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/04/12 @ 0820

1. Tracking #_____ 8070 _____(last 4 digits, FedEx) WO# 1205028

Courier: ____FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 05/04/12 @ 0820

1. Tracking # 8848 (last 4 digits, FedEx) WO# 1205028

Courier: ____FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

WORK ORDER

Printed: 5/3/2012 12:31:59PM

1205009

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

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

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

Due to Client: 05/23/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 05/02/2012 08:20
Logged In By: Jack Deville
Date Logged In: 05/02/2012 09:27

Samples Received at: **1.2°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1205009-01 GW0526 [Water] Sampled 04/30/2012 16:44 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	05/18/2012 14:00	15	05/28/2012 17:44	
SW6010B	MET_ICP_6010B_FULL	05/18/2012 14:00	15	10/27/2012 17:44	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/14/2012 17:44	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	05/18/2012 14:00	15	05/07/2012 17:44	
E300.0	WC_ANIONS_300.0 (Regular)	05/18/2012 14:00	15	05/28/2012 17:44	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/18/2012 14:00	15	05/28/2012 17:44	
SM2320B	WC_ALKALINITY_2320B	05/18/2012 14:00	15	05/14/2012 17:44	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	05/18/2012 14:00	15	05/07/2012 17:44	
SW8011	SGC_EDB_8011	05/18/2012 14:00	15	05/14/2012 17:44	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/18/2012 14:00	15	05/14/2012 17:44	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/18/2012 14:00	15	05/07/2012 17:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1205009-02 GW0526 [Water] Sampled 04/30/2012 16:44 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/18/2012 14:00	15	10/27/2012 17:44	Fe & Mn

1205009

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205009-03 GW0553 [Water] Sampled 04/30/2012 11:57 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/18/2012 14:00	15	05/28/2012 12:57	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/18/2012 14:00	15	05/28/2012 12:57	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/18/2012 14:00	15	05/07/2012 12:57	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/18/2012 14:00	15	05/28/2012 12:57	
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/14/2012 12:57	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/18/2012 14:00	15	10/27/2012 12:57	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/18/2012 14:00	15	05/14/2012 12:57	
SW8011	SGC_EDB_8011	05/18/2012 14:00	15	05/14/2012 12:57	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/18/2012 14:00	15	05/07/2012 12:57	
SM2320B	WC_ALKALINITY_2320B	05/18/2012 14:00	15	05/14/2012 12:57	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	05/18/2012 14:00	15	05/07/2012 12:57	
1205009-04 GW0553 [Water] Sampled 04/30/2012 11:57 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/18/2012 14:00	15	10/27/2012 12:57	Fe & Mn
1205009-05 GW0554 [Water] Sampled 04/30/2012 14:50 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/18/2012 14:00	15	05/14/2012 15:50	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/18/2012 14:00	15	05/07/2012 15:50	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/18/2012 14:00	15	05/07/2012 15:50	
E353.2	WC_NO3NO2_N_353.2	05/18/2012 14:00	15	05/28/2012 15:50	
E300.0	WC_ANIONS_300.0 (Regular)	05/18/2012 14:00	15	05/28/2012 15:50	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/18/2012 14:00	15	05/28/2012 15:50	
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/14/2012 15:50	naphthalene must be reported
SW8011	SGC_EDB_8011	05/18/2012 14:00	15	05/14/2012 15:50	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/18/2012 14:00	15	05/07/2012 15:50	
SW6010B	MET_ICP_6010B_FULL	05/18/2012 14:00	15	10/27/2012 15:50	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	05/18/2012 14:00	15	05/14/2012 15:50	carb/bicarb
1205009-06 GW0554 [Water] Sampled 04/30/2012 14:50 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/18/2012 14:00	15	10/27/2012 15:50	Fe & Mn

1205009

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205009-07 GW0602 [Water] Sampled 05/01/2012 11:16 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/15/2012 12:16	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/18/2012 14:00	15	10/28/2012 12:16	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/18/2012 14:00	15	05/15/2012 12:16	
SM2320B	WC_ALKALINITY_2320B	05/18/2012 14:00	15	05/15/2012 12:16	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/18/2012 14:00	15	05/29/2012 12:16	
E300.0	WC_ANIONS_300.0 (Regular)	05/18/2012 14:00	15	05/29/2012 12:16	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/18/2012 14:00	15	05/29/2012 12:16	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/18/2012 14:00	15	05/08/2012 12:16	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/18/2012 14:00	15	05/08/2012 12:16	
SW8011	SGC_EDB_8011	05/18/2012 14:00	15	05/15/2012 12:16	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/18/2012 14:00	15	05/08/2012 12:16	
1205009-08 GW0602 [Water] Sampled 05/01/2012 11:16 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/18/2012 14:00	15	10/28/2012 12:16	Fe & Mn
1205009-09 GW0617 [Water] Sampled 04/30/2012 12:57 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	05/18/2012 14:00	15	05/14/2012 13:57	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	05/18/2012 14:00	15	10/27/2012 13:57	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/18/2012 14:00	15	05/28/2012 13:57	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/18/2012 14:00	15	05/07/2012 13:57	
E300.0	WC_ANIONS_300.0 (Regular)	05/18/2012 14:00	15	05/28/2012 13:57	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/18/2012 14:00	15	05/07/2012 13:57	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/14/2012 13:57	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/18/2012 14:00	15	05/14/2012 13:57	
SW8011	SGC_EDB_8011	05/18/2012 14:00	15	05/14/2012 13:57	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/18/2012 14:00	15	05/07/2012 13:57	
E353.2	WC_NO3NO2_N_353.2	05/18/2012 14:00	15	05/28/2012 13:57	
1205009-10 GW0617 [Water] Sampled 04/30/2012 12:57 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/18/2012 14:00	15	10/27/2012 13:57	Fe & Mn

1205009

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205009-11 GW0618 [Water] Sampled 04/30/2012 10:24 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/18/2012 14:00	15	05/14/2012 11:24	
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/14/2012 11:24	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/18/2012 14:00	15	05/28/2012 11:24	
E353.2	WC_NO3NO2_N_353.2	05/18/2012 14:00	15	05/28/2012 11:24	
SM2320B	WC_ALKALINITY_2320B	05/18/2012 14:00	15	05/14/2012 11:24	carb/bicarb
SW8011	SGC_EDB_8011	05/18/2012 14:00	15	05/14/2012 11:24	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	05/18/2012 14:00	15	05/07/2012 11:24	
E300.0	WC_ANIONS_300.0 (Regular)	05/18/2012 14:00	15	05/28/2012 11:24	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	05/18/2012 14:00	15	05/07/2012 11:24	
SW6010B	MET_ICP_6010B_FULL	05/18/2012 14:00	15	10/27/2012 11:24	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/18/2012 14:00	15	05/07/2012 11:24	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1205009-12 GW0618 [Water] Sampled 04/30/2012 10:24 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/18/2012 14:00	15	10/27/2012 11:24	Fe & Mn
1205009-13 GW8200-TB [Water] Sampled 04/30/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/18/2012 14:00	15	05/14/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 5/3/2012 6:53:51PM

1205021

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

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

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

Due to Client: 05/24/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 05/03/2012 08:30
Logged In By: Jack Deville
Date Logged In: 05/03/2012 11:35

Samples Received at: **1.6°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1205021-01 GW0525 [Water] Sampled 05/01/2012 14:25 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	05/21/2012 14:00	15	05/29/2012 15:25	
SW6010B	MET_ICP_6010B_FULL	05/21/2012 14:00	15	10/28/2012 15:25	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	05/21/2012 14:00	15	05/08/2012 15:25	
E300.0	WC_ANIONS_300.0 (Regular)	05/21/2012 14:00	15	05/29/2012 15:25	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/21/2012 14:00	15	05/29/2012 15:25	
SM2320B	WC_ALKALINITY_2320B	05/21/2012 14:00	15	05/15/2012 15:25	carb/bicarb
SW8260B	VOC_8260B_REG	05/21/2012 14:00	15	05/15/2012 15:25	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/21/2012 14:00	15	05/15/2012 15:25	
SW8011	SGC_EDB_8011	05/21/2012 14:00	15	05/15/2012 15:25	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/21/2012 14:00	15	05/08/2012 15:25	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/21/2012 14:00	15	05/08/2012 15:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1205021-02 GW0525 [Water] Sampled 05/01/2012 14:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/21/2012 14:00	15	10/28/2012 15:25	Fe & Mn

1205021

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205021-03 GW0538 [Water] Sampled 05/02/2012 13:16 Mountain 'Client Sample'					**MS/MSD**
SW8011	SGC_EDB_8011	05/21/2012 14:00	15	05/16/2012 14:16	MS/MSD, Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/21/2012 14:00	15	05/30/2012 14:16	MS/MSD
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/21/2012 14:00	15	05/09/2012 14:16	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/21/2012 14:00	15	05/09/2012 14:16	MS/MSD
E353.2	WC_NO3NO2_N_353.2	05/21/2012 14:00	15	05/30/2012 14:16	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	05/21/2012 14:00	15	05/30/2012 14:16	MS/MSD, Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/21/2012 14:00	15	05/16/2012 14:16	MS/MSD, carb/bicarb
SW8015B GRO	VGC_GRO_8015B	05/21/2012 14:00	15	05/16/2012 14:16	MS/MSD
SW8015B DRO	SGC_DRO_8015B_3510	05/21/2012 14:00	15	05/09/2012 14:16	MS/MSD
SW6010B	MET_ICP_6010B_FULL	05/21/2012 14:00	15	10/29/2012 14:16	MS/MSD, Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	05/21/2012 14:00	15	05/16/2012 14:16	MS/MSD, naphthalene must be reported
1205021-04 GW0538 [Water] Sampled 05/02/2012 13:16 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	05/21/2012 14:00	15	10/29/2012 14:16	Fe & Mn
1205021-05 GW0539 [Water] Sampled 05/02/2012 10:44 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/21/2012 14:00	15	05/30/2012 11:44	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/21/2012 14:00	15	10/29/2012 11:44	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/21/2012 14:00	15	05/09/2012 11:44	
SW8011	SGC_EDB_8011	05/21/2012 14:00	15	05/16/2012 11:44	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/21/2012 14:00	15	05/16/2012 11:44	
SW8260B	VOC_8260B_REG	05/21/2012 14:00	15	05/16/2012 11:44	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	05/21/2012 14:00	15	05/30/2012 11:44	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/21/2012 14:00	15	05/09/2012 11:44	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/21/2012 14:00	15	05/09/2012 11:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/21/2012 14:00	15	05/30/2012 11:44	
SM2320B	WC_ALKALINITY_2320B	05/21/2012 14:00	15	05/16/2012 11:44	carb/bicarb
1205021-06 GW0539 [Water] Sampled 05/02/2012 10:44 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/21/2012 14:00	15	10/29/2012 11:44	Fe & Mn

1205021

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205021-07 GW0561 [Water] Sampled 05/02/2012 10:41 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	05/21/2012 14:00	15	05/09/2012 11:41	
SW8260B	VOC_8260B_REG	05/21/2012 14:00	15	05/16/2012 11:41	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/21/2012 14:00	15	05/16/2012 11:41	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/21/2012 14:00	15	05/30/2012 11:41	
E300.0	WC_ANIONS_300.0 (Regular)	05/21/2012 14:00	15	05/30/2012 11:41	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/21/2012 14:00	15	05/09/2012 11:41	
SW8011	SGC_EDB_8011	05/21/2012 14:00	15	05/16/2012 11:41	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/21/2012 14:00	15	05/09/2012 11:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/21/2012 14:00	15	10/29/2012 11:41	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	05/21/2012 14:00	15	05/30/2012 11:41	
SW8015B GRO	VGC_GRO_8015B	05/21/2012 14:00	15	05/16/2012 11:41	
1205021-08 GW0561 [Water] Sampled 05/02/2012 10:41 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/21/2012 14:00	15	10/29/2012 11:41	Fe & Mn
1205021-09 GW0601 [Water] Sampled 05/01/2012 15:22 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/21/2012 14:00	15	05/15/2012 16:22	
SW8260B	VOC_8260B_REG	05/21/2012 14:00	15	05/15/2012 16:22	naphthalene must be reported
SW8011	SGC_EDB_8011	05/21/2012 14:00	15	05/15/2012 16:22	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/21/2012 14:00	15	05/29/2012 16:22	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/21/2012 14:00	15	05/08/2012 16:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	05/21/2012 14:00	15	05/15/2012 16:22	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	05/21/2012 14:00	15	05/08/2012 16:22	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/21/2012 14:00	15	05/08/2012 16:22	
E300.0	WC_ANIONS_300.0 (Regular)	05/21/2012 14:00	15	05/29/2012 16:22	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/21/2012 14:00	15	10/28/2012 16:22	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	05/21/2012 14:00	15	05/29/2012 16:22	
1205021-10 GW0601 [Water] Sampled 05/01/2012 15:22 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/21/2012 14:00	15	10/28/2012 16:22	Fe & Mn
1205021-11 GW8201-TB [Water] Sampled 05/02/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/21/2012 14:00	15	05/16/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 5/8/2012 9:26:47AM

1205028

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

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

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

Due to Client: 05/25/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville — Date Received: 05/04/2012 08:20

Logged In By: Jack Deville — Date Logged In: 05/04/2012 09:52

Samples Received at: **3.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1205028-01 GW0507 [Water] Sampled 05/03/2012 15:48 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 16:48	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 16:48	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 16:48	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 16:48	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 16:48	
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 16:48	carb/bicarb
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 16:48	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 16:48	
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 16:48	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 16:48	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 16:48	
1205028-02 GW0507 [Water] Sampled 05/03/2012 15:48 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 16:48	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205028-03 GW0524 [Water] Sampled 05/03/2012 10:28 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 11:28	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 11:28	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 11:28	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 11:28	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 11:28	
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 11:28	
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 11:28	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 11:28	
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 11:28	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 11:28	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 11:28	Cl, SO4
1205028-04 GW0524 [Water] Sampled 05/03/2012 10:28 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 11:28	Fe & Mn
1205028-05 GW0537 [Water] Sampled 05/02/2012 15:45 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/09/2012 16:45	
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/16/2012 16:45	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/16/2012 16:45	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/30/2012 16:45	
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/30/2012 16:45	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/30/2012 16:45	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/09/2012 16:45	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/09/2012 16:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/16/2012 16:45	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/29/2012 16:45	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/16/2012 16:45	
1205028-06 GW0537 [Water] Sampled 05/02/2012 15:45 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/29/2012 16:45	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205028-07 GW0555 [Water] Sampled 05/03/2012 13:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 14:25	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 14:25	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 14:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 14:25	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 14:25	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 14:25	
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 14:25	
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 14:25	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 14:25	carb/bicarb
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 14:25	naphthalene must be reported
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 14:25	Run dilutions based on 8260 results!
1205028-08 GW0555 [Water] Sampled 05/03/2012 13:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 14:25	Fe & Mn
1205028-09 GW0556 [Water] Sampled 05/03/2012 13:25 Mountain 'Field Duplicate'					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 14:25	
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 14:25	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 14:25	
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 14:25	carb/bicarb
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 14:25	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 14:25	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 14:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 14:25	
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 14:25	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 14:25	
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 14:25	Ca, Pb, K, Na, Mg
1205028-10 GW0556 [Water] Sampled 05/03/2012 13:25 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 14:25	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205028-11 GW0580 [Water] Sampled 05/03/2012 16:05 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 17:05	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 17:05	
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 17:05	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 17:05	
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 17:05	
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 17:05	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 17:05	
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 17:05	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 17:05	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 17:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 17:05	carb/bicarb
1205028-12 GW0580 [Water] Sampled 05/03/2012 16:05 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 17:05	Fe & Mn
1205028-13 GW0581 [Water] Sampled 05/03/2012 11:26 Mountain 'Client Sample'					**MS/MSD**
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 12:26	MS/MSD, naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 12:26	MS/MSD, Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 12:26	MS/MSD, carb/bicarb
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 12:26	MS/MSD
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 12:26	MS/MSD, Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 12:26	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 12:26	MS/MSD
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 12:26	MS/MSD
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 12:26	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 12:26	MS/MSD, Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 12:26	MS/MSD
1205028-14 GW0581 [Water] Sampled 05/03/2012 11:26 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 12:26	MS/MSD, Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205028-15 GW0582 [Water] Sampled 05/03/2012 13:58 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/10/2012 14:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/10/2012 14:58	
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/31/2012 14:58	
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/31/2012 14:58	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/30/2012 14:58	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/17/2012 14:58	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/31/2012 14:58	
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/17/2012 14:58	carb/bicarb
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 14:58	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/17/2012 14:58	
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/10/2012 14:58	
1205028-16 GW0582 [Water] Sampled 05/03/2012 13:58 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/30/2012 14:58	Fe & Mn
1205028-17 GW0616 [Water] Sampled 05/02/2012 15:31 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/22/2012 14:00	15	05/09/2012 16:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/22/2012 14:00	15	05/09/2012 16:31	
E353.2	WC_NO3NO2_N_353.2	05/22/2012 14:00	15	05/30/2012 16:31	
E300.0	WC_ANIONS_300.0 (Regular)	05/22/2012 14:00	15	05/30/2012 16:31	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/22/2012 14:00	15	05/30/2012 16:31	
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/16/2012 16:31	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/22/2012 14:00	15	05/16/2012 16:31	
SW6010B	MET_ICP_6010B_FULL	05/22/2012 14:00	15	10/29/2012 16:31	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/22/2012 14:00	15	05/09/2012 16:31	
SW8011	SGC_EDB_8011	05/22/2012 14:00	15	05/16/2012 16:31	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	05/22/2012 14:00	15	05/16/2012 16:31	carb/bicarb
1205028-18 GW0582 [Water] Sampled 05/02/2012 15:31 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/22/2012 14:00	15	10/29/2012 16:31	Fe & Mn
1205028-19 GW8052-AB [Water] Sampled 05/03/2012 11:26 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 12:26	naphthalene must be reported

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1205028-20 GW8053-AB [Water] Sampled 05/03/2012 10:28 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 11:28	naphthalene must be reported
1205028-21 GW8202-TB [Water] Sampled 05/03/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/22/2012 14:00	15	05/17/2012 09:00	naphthalene must be reported

Reviewed By

Date

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: DRAFT Kirtland_052
MATRIX: Water

QC LEVEL: Level IV
Report Due: 5/23/2012 - 5/25/2012
Client Sample Count: 40

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	4/30/2012	5/2/2012	1205009-01	GW0526	X	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-02	GW0526						X
Client Sample	4/30/2012	5/2/2012	1205009-03	GW0553	X	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-04	GW0553						X
Client Sample	4/30/2012	5/2/2012	1205009-05	GW0554	X	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-06	GW0554						X
Client Sample	5/1/2012	5/2/2012	1205009-07	GW0602	X	X	X	X	X	X
Client Sample	5/1/2012	5/2/2012	1205009-08	GW0602						X
Client Sample	4/30/2012	5/2/2012	1205009-09	GW0617	X	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-10	GW0617						X
Client Sample	4/30/2012	5/2/2012	1205009-11	GW0618	X	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-12	GW0618						X
Trip Blank	4/30/2012	5/2/2012	1205009-13	GW8200-TB						
Client Sample	5/1/2012	5/3/2012	1205021-01	GW0525	X	X	X	X	X	X
Client Sample	5/1/2012	5/3/2012	1205021-02	GW0525						X
Client Sample	5/2/2012	5/3/2012	1205021-03	GW0538	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	5/2/2012	5/3/2012	1205021-04	GW0538						MS/MSD
Client Sample	5/2/2012	5/3/2012	1205021-05	GW0539	X	X	X	X	X	X
Client Sample	5/2/2012	5/3/2012	1205021-06	GW0539						X
Client Sample	5/2/2012	5/3/2012	1205021-07	GW0561	X	X	X	X	X	X
Client Sample	5/2/2012	5/3/2012	1205021-08	GW0561						X
Client Sample	5/1/2012	5/3/2012	1205021-09	GW0601	X	X	X	X	X	X
Client Sample	5/1/2012	5/3/2012	1205021-10	GW0601						X
Trip Blank	5/2/2012	5/3/2012	1205021-11	GW8201-TB						
Client Sample	5/3/2012	5/4/2012	1205028-01	GW0507	X	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-02	GW0507						X
Client Sample	5/3/2012	5/4/2012	1205028-03	GW0524	X	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-04	GW0524						X
Client Sample	5/2/2012	5/4/2012	1205028-05	GW0537	X	X	X	X	X	X
Client Sample	5/2/2012	5/4/2012	1205028-06	GW0537						X
Client Sample	5/3/2012	5/4/2012	1205028-07	GW0555	X	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-08	GW0555						X
Field Duplicate	5/3/2012	5/4/2012	1205028-09	GW0556	X	X	X	X	X	X
Field Duplicate	5/3/2012	5/4/2012	1205028-10	GW0556						X
Client Sample	5/3/2012	5/4/2012	1205028-11	GW0580	X	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-12	GW0580						X
Client Sample	5/3/2012	5/4/2012	1205028-13	GW0581	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	5/3/2012	5/4/2012	1205028-14	GW0581						MS/MSD
Client Sample	5/3/2012	5/4/2012	1205028-15	GW0582	X	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-16	GW0582						X
Client Sample	5/2/2012	5/4/2012	1205028-17	GW0616	X	X	X	X	X	X
Client Sample	5/2/2012	5/4/2012	1205028-18	GW0616						X
Client Sample	5/3/2012	5/4/2012	1205028-19	GW8052-AB						
Client Sample	5/3/2012	5/4/2012	1205028-20	GW8053-AB						
Trip Blank	5/3/2012	5/4/2012	1205028-21	GW8202-TB						

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/30/2012	5/2/2012	1205009-01	GW0526	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-02	GW0526					
Client Sample	4/30/2012	5/2/2012	1205009-03	GW0553	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-04	GW0553					
Client Sample	4/30/2012	5/2/2012	1205009-05	GW0554	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-06	GW0554					
Client Sample	5/1/2012	5/2/2012	1205009-07	GW0602	X	X	X	X	X
Client Sample	5/1/2012	5/2/2012	1205009-08	GW0602					
Client Sample	4/30/2012	5/2/2012	1205009-09	GW0617	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-10	GW0617					
Client Sample	4/30/2012	5/2/2012	1205009-11	GW0618	X	X	X	X	X
Client Sample	4/30/2012	5/2/2012	1205009-12	GW0618					
Trip Blank	4/30/2012	5/2/2012	1205009-13	GW8200-TB				X	
Client Sample	5/1/2012	5/3/2012	1205021-01	GW0525	X	X	X	X	X
Client Sample	5/1/2012	5/3/2012	1205021-02	GW0525					
Client Sample	5/2/2012	5/3/2012	1205021-03	GW0538	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	5/2/2012	5/3/2012	1205021-04	GW0538					
Client Sample	5/2/2012	5/3/2012	1205021-05	GW0539	X	X	X	X	X
Client Sample	5/2/2012	5/3/2012	1205021-06	GW0539					
Client Sample	5/2/2012	5/3/2012	1205021-07	GW0561	X	X	X	X	X
Client Sample	5/2/2012	5/3/2012	1205021-08	GW0561					
Client Sample	5/1/2012	5/3/2012	1205021-09	GW0601	X	X	X	X	X
Client Sample	5/1/2012	5/3/2012	1205021-10	GW0601					
Trip Blank	5/2/2012	5/3/2012	1205021-11	GW8201-TB				X	
Client Sample	5/3/2012	5/4/2012	1205028-01	GW0507	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-02	GW0507					
Client Sample	5/3/2012	5/4/2012	1205028-03	GW0524	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-04	GW0524					
Client Sample	5/2/2012	5/4/2012	1205028-05	GW0537	X	X	X	X	X
Client Sample	5/2/2012	5/4/2012	1205028-06	GW0537					
Client Sample	5/3/2012	5/4/2012	1205028-07	GW0555	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-08	GW0555					
Field Duplicate	5/3/2012	5/4/2012	1205028-09	GW0556	X	X	X	X	X
Field Duplicate	5/3/2012	5/4/2012	1205028-10	GW0556					
Client Sample	5/3/2012	5/4/2012	1205028-11	GW0580	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-12	GW0580					
Client Sample	5/3/2012	5/4/2012	1205028-13	GW0581	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	5/3/2012	5/4/2012	1205028-14	GW0581					
Client Sample	5/3/2012	5/4/2012	1205028-15	GW0582	X	X	X	X	X
Client Sample	5/3/2012	5/4/2012	1205028-16	GW0582					
Client Sample	5/2/2012	5/4/2012	1205028-17	GW0616	X	X	X	X	X
Client Sample	5/2/2012	5/4/2012	1205028-18	GW0616					
Client Sample	5/3/2012	5/4/2012	1205028-19	GW8052-AB				X	
Client Sample	5/3/2012	5/4/2012	1205028-20	GW8053-AB				X	
Trip Blank	5/3/2012	5/4/2012	1205028-21	GW8202-TB				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	0500901.D
Sampled:	04/30/12 16:44	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 11:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.610	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	0500901.D
Sampled:	04/30/12 16:44	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 11:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	1.31	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.83	92.8	75 - 120	
Dibromofluoromethane	30.00	31.65	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.80	103	70 - 120	
Toluene-d8	30.00	30.00	100	85 - 120	

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	0500903.D
Sampled:	04/30/12 11:57	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 11:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	0500903.D
Sampled:	04/30/12 11:57	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 11:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.13	93.8	75 - 120	
Dibromofluoromethane	30.00	31.55	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	30.06	100	85 - 120	

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	0500905.D
Sampled:	04/30/12 14:50	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	0500905.D
Sampled:	04/30/12 14:50	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.85	92.8	75 - 120	
Dibromofluoromethane	30.00	31.48	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.36	101	70 - 120	
Toluene-d8	30.00	29.72	99.1	85 - 120	

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	0500907.D
Sampled:	05/01/12 11:16	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	0500907.D
Sampled:	05/01/12 11:16	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.97	93.2	75 - 120	
Dibromofluoromethane	30.00	31.25	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.22	101	70 - 120	
Toluene-d8	30.00	30.05	100	85 - 120	

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	0500909.D
Sampled:	04/30/12 12:57	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 14:20
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane	0.460	0.250	0.500	1.00	J
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	0500909.D
Sampled:	04/30/12 12:57	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 14:20
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.25	94.2	75 - 120	
Dibromofluoromethane	30.00	31.26	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.21	101	70 - 120	
Toluene-d8	30.00	30.37	101	85 - 120	

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	0500911.D
Sampled:	04/30/12 10:24	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 14:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	0500911.D
Sampled:	04/30/12 10:24	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 14:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.89	93.0	75 - 120	
Dibromofluoromethane	30.00	31.53	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.07	100	70 - 120	
Toluene-d8	30.00	30.49	102	85 - 120	

ANALYSIS DATA SHEET

GW8200-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-13	File ID:	0500913.D
Sampled:	04/30/12 08:00	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 10:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW8200-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-13	File ID:	0500913.D
Sampled:	04/30/12 08:00	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 10:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.51	91.7	75 - 120	
Dibromofluoromethane	30.00	31.42	105	85 - 115	
1,2-Dichloroethane-d4	30.00	29.77	99.2	70 - 120	
Toluene-d8	30.00	29.87	99.6	85 - 120	

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	0502101.D
Sampled:	05/01/12 14:25	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 12:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	0.530	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	0502101.D
Sampled:	05/01/12 14:25	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 12:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	1.95	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.24	104	75 - 120	
Dibromofluoromethane	30.00	31.30	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.43	105	70 - 120	
Toluene-d8	30.00	30.42	101	85 - 120	

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	0502103.D
Sampled:	05/02/12 13:16	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 12:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	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)	0.450	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	0502103.D
Sampled:	05/02/12 13:16	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 12:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.96	103	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.19	104	70 - 120	
Toluene-d8	30.00	30.34	101	85 - 120	

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	0502105.D
Sampled:	05/02/12 10:44	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 12:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	0502105.D
Sampled:	05/02/12 10:44	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 12:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.88	103	75 - 120	
Dibromofluoromethane	30.00	31.54	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.40	105	70 - 120	
Toluene-d8	30.00	30.18	101	85 - 120	

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	0502107.D
Sampled:	05/02/12 10:41	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 13:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	0502107.D
Sampled:	05/02/12 10:41	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 13:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.260	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.310	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.22	104	75 - 120	
Dibromofluoromethane	30.00	31.52	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.16	104	70 - 120	
Toluene-d8	30.00	30.63	102	85 - 120	

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	0502109D.D
Sampled:	05/01/12 15:22	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 14:43
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	23.9	12.5	25.0	50.0	J, D
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	Y, U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	X, U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	2.70	1.25	2.50	5.00	J, D
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	0502109D.D
Sampled:	05/01/12 15:22	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 14:43
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	5.25	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	1.45	1.25	2.50	5.00	J, D
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.97	103	75 - 120	
Dibromofluoromethane	30.00	31.31	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.20	101	70 - 120	
Toluene-d8	30.00	31.28	104	85 - 120	

ANALYSIS DATA SHEET

GW8201-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-11	File ID:	0502111.D
Sampled:	05/02/12 08:00	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 10:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8201-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-11	File ID:	0502111.D
Sampled:	05/02/12 08:00	Prepared:	05/04/12 00:00	Analyzed:	05/04/12 10:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.45	105	75 - 120	
Dibromofluoromethane	30.00	31.29	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.45	105	70 - 120	
Toluene-d8	30.00	30.98	103	85 - 120	

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	0502801.D
Sampled:	05/03/12 15:48	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 11:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	0502801.D
Sampled:	05/03/12 15:48	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 11:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.42	105	75 - 120	
Dibromofluoromethane	30.00	31.31	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.94	103	70 - 120	
Toluene-d8	30.00	30.63	102	85 - 120	

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	0502803.D
Sampled:	05/03/12 10:28	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 11:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	0502803.D
Sampled:	05/03/12 10:28	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 11:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.35	104	75 - 120	
Dibromofluoromethane	30.00	31.65	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.36	105	70 - 120	
Toluene-d8	30.00	30.59	102	85 - 120	

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	0502805.D
Sampled:	05/02/12 15:45	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 12:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	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	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.640	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	0502805.D
Sampled:	05/02/12 15:45	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 12:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.35	104	75 - 120	
Dibromofluoromethane	30.00	31.63	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.38	105	70 - 120	
Toluene-d8	30.00	30.38	101	85 - 120	

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	0502807.D
Sampled:	05/03/12 13:25	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 12:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	0502807.D
Sampled:	05/03/12 13:25	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 12:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.44	105	75 - 120	
Dibromofluoromethane	30.00	31.55	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.23	104	70 - 120	
Toluene-d8	30.00	30.70	102	85 - 120	

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	0502809.D
Sampled:	05/03/12 13:25	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 13:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	0502809.D
Sampled:	05/03/12 13:25	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 13:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.33	104	75 - 120	
Dibromofluoromethane	30.00	32.07	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.63	105	70 - 120	
Toluene-d8	30.00	30.39	101	85 - 120	

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	0502811D.D
Sampled:	05/03/12 16:05	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 13:46
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	29.9	5.00	10.0	20.0	D
71-43-2	Benzene		0.500	1.00	2.00	U
108-86-1	Bromobenzene		0.500	1.00	2.00	U
74-97-5	Bromochloromethane		0.500	1.00	2.00	U
75-27-4	Bromodichloromethane		0.500	1.00	2.00	U
75-25-2	Bromoform		0.500	1.00	2.00	U
74-83-9	Bromomethane		1.00	2.00	4.00	Y, U
104-51-8	n-Butylbenzene		0.500	1.00	2.00	U
78-93-3	2-Butanone		5.00	10.0	20.0	U
135-98-8	sec-Butylbenzene		0.500	1.00	2.00	U
98-06-6	tert-Butylbenzene		0.500	1.00	2.00	U
75-15-0	Carbon disulfide		0.500	1.00	2.00	U
56-23-5	Carbon tetrachloride		0.500	1.00	2.00	X, U
108-90-7	Chlorobenzene		0.500	1.00	2.00	U
75-00-3	Chloroethane		1.00	2.00	4.00	U
67-66-3	Chloroform		0.500	1.00	2.00	U
74-87-3	Chloromethane		0.500	1.00	2.00	Y, U
95-49-8	2-Chlorotoluene		0.500	1.00	2.00	U
106-43-4	4-Chlorotoluene		0.500	1.00	2.00	U
124-48-1	Dibromochloromethane		0.500	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane		1.00	2.00	4.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.500	1.00	2.00	U
74-95-3	Dibromomethane		0.500	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene		0.500	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene		0.500	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene		0.500	1.00	2.00	U
75-71-8	Dichlorodifluoromethane		1.00	2.00	4.00	X, U
75-34-3	1,1-Dichloroethane		0.500	1.00	2.00	U
107-06-2	1,2-Dichloroethane		0.500	1.00	2.00	U
75-35-4	1,1-Dichloroethene		0.500	1.00	2.00	U
156-59-2	cis-1,2-Dichloroethene		0.500	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene		0.500	1.00	2.00	U
78-87-5	1,2-Dichloropropane		0.500	1.00	2.00	U
142-28-9	1,3-Dichloropropane		0.500	1.00	2.00	U
594-20-7	2,2-Dichloropropane		0.500	1.00	2.00	U
563-58-6	1,1-Dichloropropene		0.500	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene		0.500	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene		0.500	1.00	2.00	U
100-41-4	Ethylbenzene		0.500	1.00	2.00	U
87-68-3	Hexachlorobutadiene		0.500	1.00	4.00	U

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	0502811D.D
Sampled:	05/03/12 16:05	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 13:46
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene	1.44	0.500	1.00	2.00	J, D
99-87-6	p-Isopropyltoluene		0.500	1.00	2.00	U
75-09-2	Methylene chloride		1.00	2.00	4.00	U
91-20-3	Naphthalene		0.500	1.00	4.00	U
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.500	1.00	2.00	U
103-65-1	n-Propylbenzene		0.500	1.00	2.00	U
100-42-5	Styrene		0.500	1.00	2.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.500	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.500	1.00	2.00	X, U
127-18-4	Tetrachloroethene		0.500	1.00	2.00	U
108-88-3	Toluene		0.500	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene		0.500	1.00	4.00	U
120-82-1	1,2,4-Trichlorobenzene		0.500	1.00	4.00	U
79-00-5	1,1,2-Trichloroethane		0.500	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane		0.500	1.00	2.00	U
79-01-6	Trichloroethene		0.500	1.00	2.00	U
75-69-4	Trichlorofluoromethane		1.00	2.00	4.00	U
96-18-4	1,2,3-Trichloropropane		1.00	2.00	4.00	U
108-67-8	1,3,5-Trimethylbenzene		0.500	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene		0.500	1.00	2.00	U
75-01-4	Vinyl chloride		0.500	1.00	2.00	U
1330-20-7	Xylenes (total)		1.50	3.00	6.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.21	104	75 - 120	
Dibromofluoromethane	30.00	31.18	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.54	102	70 - 120	
Toluene-d8	30.00	31.06	104	85 - 120	

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	0502813.D
Sampled:	05/03/12 11:26	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 10:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	0502813.D
Sampled:	05/03/12 11:26	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 10:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.14	104	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.89	103	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	0502815.D
Sampled:	05/03/12 13:58	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 14:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	0502815.D
Sampled:	05/03/12 13:58	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 14:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.31	104	75 - 120	
Dibromofluoromethane	30.00	31.63	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.54	102	70 - 120	
Toluene-d8	30.00	30.52	102	85 - 120	

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	0502817.D
Sampled:	05/02/12 15:31	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 14:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	0502817.D
Sampled:	05/02/12 15:31	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 14:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.59	105	75 - 120	
Dibromofluoromethane	30.00	32.05	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.01	103	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

GW8052-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-19	File ID:	0502819.D
Sampled:	05/03/12 11:26	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 10:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8052-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-19	File ID:	0502819.D
Sampled:	05/03/12 11:26	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 10:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.80	106	75 - 120	
Dibromofluoromethane	30.00	31.36	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.33	104	70 - 120	
Toluene-d8	30.00	31.01	103	85 - 120	

ANALYSIS DATA SHEET

GW8053-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-20	File ID:	0502820.D
Sampled:	05/03/12 10:28	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 11:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8053-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-20	File ID:	0502820.D
Sampled:	05/03/12 10:28	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 11:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.37	105	75 - 120	
Dibromofluoromethane	30.00	31.71	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.48	105	70 - 120	
Toluene-d8	30.00	30.30	101	85 - 120	

ANALYSIS DATA SHEET

GW8202-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-21	File ID:	0502821.D
Sampled:	05/03/12 08:00	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 09:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8202-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-21	File ID:	0502821.D
Sampled:	05/03/12 08:00	Prepared:	05/07/12 00:00	Analyzed:	05/07/12 09:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.40	105	75 - 120	
Dibromofluoromethane	30.00	31.48	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.59	102	70 - 120	
Toluene-d8	30.00	31.74	106	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
		Calibration:	2114002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12512-CCV1) ug/L				Lab File ID: 0503CCV1.D		Analyzed: 05/03/12 07:56		
Bromofluorobenzene	30.00	101	80 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.78	6.78	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.52	9.52	0.0000	+/-1.000	
LCS (2E03012-BS1) ug/L				Lab File ID: 0503LCS1.D		Analyzed: 05/03/12 08:32		
Bromofluorobenzene	30.00	98.7	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.78	6.78	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.52	9.52	0.0000	+/-1.000	
Blank (2E03012-BLK1) ug/L				Lab File ID: 0503BL1.D		Analyzed: 05/03/12 09:52		
Bromofluorobenzene	30.00	93.9	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW8200-TB (1205009-13) ug/L				Lab File ID: 0500913.D		Analyzed: 05/03/12 10:46		
Bromofluorobenzene	30.00	91.7	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW0526 (1205009-01) ug/L				Lab File ID: 0500901.D		Analyzed: 05/03/12 11:12		
Bromofluorobenzene	30.00	92.8	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW0553 (1205009-03) ug/L				Lab File ID: 0500903.D		Analyzed: 05/03/12 11:39		
Bromofluorobenzene	30.00	93.8	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW0554 (1205009-05) ug/L				Lab File ID: 0500905.D		Analyzed: 05/03/12 13:26		
Bromofluorobenzene	30.00	92.8	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	85 - 120	9.51	9.52	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
		Calibration:	2114002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0602 (1205009-07) ug/L				Lab File ID: 0500907.D		Analyzed: 05/03/12 13:53		
Bromofluorobenzene	30.00	93.2	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW0617 (1205009-09) ug/L				Lab File ID: 0500909.D		Analyzed: 05/03/12 14:20		
Bromofluorobenzene	30.00	94.2	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW0618 (1205009-11) ug/L				Lab File ID: 0500911.D		Analyzed: 05/03/12 14:47		
Bromofluorobenzene	30.00	93.0	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.51	9.52	-0.0100	+/-1.000	
LCS Dup (2E03012-BSD1) ug/L				Lab File ID: 0503LCD1.D		Analyzed: 05/03/12 17:54		
Bromofluorobenzene	30.00	97.9	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12804	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12804-CCV1) ug/L				Lab File ID: 0504CCV1.D		Analyzed: 05/04/12 06:40		
Bromofluorobenzene	30.00	106	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	80 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.63	9.63	0.0000	+/-1.000	
LCS (2E04001-BS1) ug/L				Lab File ID: 0504LCS1.D		Analyzed: 05/04/12 07:07		
Bromofluorobenzene	30.00	106	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.63	9.63	0.0000	+/-1.000	
Blank (2E04001-BLK1) ug/L				Lab File ID: 0504BL1.D		Analyzed: 05/04/12 08:54		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW8201-TB (1205021-11) ug/L				Lab File ID: 0502111.D		Analyzed: 05/04/12 10:14		
Bromofluorobenzene	30.00	105	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0525 (1205021-01) ug/L				Lab File ID: 0502101.D		Analyzed: 05/04/12 12:02		
Bromofluorobenzene	30.00	104	75 - 120	12.24	12.25	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0538 (1205021-03) ug/L				Lab File ID: 0502103.D		Analyzed: 05/04/12 12:29		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0539 (1205021-05) ug/L				Lab File ID: 0502105.D		Analyzed: 05/04/12 12:56		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.63	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12804	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0561 (1205021-07) ug/L				Lab File ID: 0502107.D		Analyzed: 05/04/12 13:22		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.41	7.42	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW0601 (1205021-09) ug/L				Lab File ID: 0502109D.D		Analyzed: 05/04/12 14:43		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.63	0.0100	+/-1.000	
Matrix Spike (2E04001-MS1) ug/L				Lab File ID: 0502103M.D		Analyzed: 05/04/12 15:10		
Bromofluorobenzene	30.00	106	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.63	0.0100	+/-1.000	
Matrix Spike Dup (2E04001-MSD1) ug/L				Lab File ID: 0502103S.D		Analyzed: 05/04/12 15:37		
Bromofluorobenzene	30.00	108	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.63	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12903	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12903-CCV1) ug/L				Lab File ID: 0507CCV1.D		Analyzed: 05/07/12 07:03		
Bromofluorobenzene	30.00	109	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.65	9.65	0.0000	+/-1.000	
LCS (2E07001-BS1) ug/L				Lab File ID: 0507LCS1.D		Analyzed: 05/07/12 07:30		
Bromofluorobenzene	30.00	106	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.65	-0.0100	+/-1.000	
Blank (2E07001-BLK1) ug/L				Lab File ID: 0507BL1.D		Analyzed: 05/07/12 08:50		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW8202-TB (1205028-21) ug/L				Lab File ID: 0502821.D		Analyzed: 05/07/12 09:17		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0581 (1205028-13) ug/L				Lab File ID: 0502813.D		Analyzed: 05/07/12 10:11		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW8052-AB (1205028-19) ug/L				Lab File ID: 0502819.D		Analyzed: 05/07/12 10:38		
Bromofluorobenzene	30.00	106	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW8053-AB (1205028-20) ug/L				Lab File ID: 0502820.D		Analyzed: 05/07/12 11:05		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.65	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12903	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0507 (1205028-01) ug/L				Lab File ID: 0502801.D		Analyzed: 05/07/12 11:31		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0524 (1205028-03) ug/L				Lab File ID: 0502803.D		Analyzed: 05/07/12 11:58		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0537 (1205028-05) ug/L				Lab File ID: 0502805.D		Analyzed: 05/07/12 12:25		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0555 (1205028-07) ug/L				Lab File ID: 0502807.D		Analyzed: 05/07/12 12:52		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0556 (1205028-09) ug/L				Lab File ID: 0502809.D		Analyzed: 05/07/12 13:19		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0580 (1205028-11) ug/L				Lab File ID: 0502811D.D		Analyzed: 05/07/12 13:46		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0582 (1205028-15) ug/L				Lab File ID: 0502815.D		Analyzed: 05/07/12 14:13		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12903	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0616 (1205028-17) ug/L				Lab File ID: 0502817.D		Analyzed: 05/07/12 14:39		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
Matrix Spike (2E07001-MS1) ug/L				Lab File ID: 0502813M.D		Analyzed: 05/07/12 16:00		
Bromofluorobenzene	30.00	106	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.65	-0.0100	+/-1.000	
Matrix Spike Dup (2E07001-MSD1) ug/L				Lab File ID: 0502813S.D		Analyzed: 05/07/12 16:27		
Bromofluorobenzene	30.00	106	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.93	6.94	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.65	-0.0100	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.1	92.1	40 - 140
Benzene	50.00	47.9	95.7	80 - 120
Bromobenzene	50.00	53.0	106	75 - 125
Bromochloromethane	50.00	48.0	96.0	65 - 130
Bromodichloromethane	50.00	47.7	95.4	75 - 120
Bromoform	50.00	47.3	94.6	70 - 130
Bromomethane	50.00	46.3	92.6	30 - 145
n-Butylbenzene	50.00	47.1	94.3	70 - 135
2-Butanone	100.0	113	113	30 - 150
sec-Butylbenzene	50.00	47.7	95.4	70 - 125
tert-Butylbenzene	50.00	47.7	95.4	70 - 130
Carbon disulfide	50.00	42.9	85.8	35 - 160
Carbon tetrachloride	50.00	53.4	107	65 - 140
Chlorobenzene	50.00	45.7	91.4	80 - 120
Chloroethane	50.00	51.8	104	60 - 135
Chloroform	50.00	47.2	94.5	65 - 135
Chloromethane	50.00	50.6	101	40 - 125
2-Chlorotoluene	50.00	50.2	100	75 - 125
4-Chlorotoluene	50.00	47.0	94.0	75 - 130
Dibromochloromethane	50.00	51.6	103	60 - 135
1,2-Dibromo-3-chloropropane	50.00	58.1	116	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	80 - 120
Dibromomethane	50.00	47.8	95.5	75 - 125
1,2-Dichlorobenzene	50.00	49.6	99.2	70 - 120
1,3-Dichlorobenzene	50.00	49.2	98.5	75 - 125
1,4-Dichlorobenzene	50.00	48.3	96.7	75 - 125
Dichlorodifluoromethane	50.00	75.6	151	30 - 155
1,1-Dichloroethane	50.00	48.3	96.7	70 - 135
1,2-Dichloroethane	50.00	48.6	97.2	70 - 130
1,1-Dichloroethene	50.00	47.3	94.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	46.5	92.9	70 - 125
trans-1,2-Dichloroethene	50.00	48.4	96.9	60 - 140
1,2-Dichloropropane	50.00	48.8	97.5	75 - 125
1,3-Dichloropropane	50.00	47.9	95.9	75 - 125
2,2-Dichloropropane	50.00	52.4	105	70 - 135
1,1-Dichloropropene	50.00	49.2	98.3	75 - 130
cis-1,3-Dichloropropene	50.00	52.7	105	70 - 130
trans-1,3-Dichloropropene	50.00	48.3	96.6	55 - 140
Ethylbenzene	50.00	47.6	95.2	75 - 125
Hexachlorobutadiene	50.00	47.2	94.4	50 - 140
2-Hexanone	100.0	114	114	55 - 130
Isopropylbenzene	50.00	43.8	87.5	75 - 125
p-Isopropyltoluene	50.00	45.3	90.6	75 - 130
Methylene chloride	50.00	45.2	90.5	55 - 140
Naphthalene	50.00	49.3	98.6	55 - 140
4-Methyl-2-pentanone	100.0	114	114	60 - 135
Methyl t-Butyl Ether	50.00	50.0	100	65 - 125
n-Propylbenzene	50.00	48.3	96.7	70 - 130
Styrene	50.00	46.0	92.0	65 - 135
1,1,2,2-Tetrachloroethane	50.00	58.9	118	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.0	102	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	47.4	94.7	75 - 120
1,2,3-Trichlorobenzene	50.00	48.4	96.8	55 - 140
1,2,4-Trichlorobenzene	50.00	49.5	99.0	65 - 135
1,1,2-Trichloroethane	50.00	49.5	99.0	75 - 125
1,1,1-Trichloroethane	50.00	50.6	101	65 - 130
Trichloroethene	50.00	47.2	94.5	70 - 125
Trichlorofluoromethane	50.00	55.4	111	60 - 145
1,2,3-Trichloropropane	50.00	51.2	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-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	49.4	98.9	75 - 130
1,2,4-Trimethylbenzene	50.00	48.2	96.5	75 - 130
Vinyl chloride	50.00	52.1	104	50 - 145
Xylenes (total)	150.0	136	90.9	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	90.1	90.1	2.21	30	40 - 140
Benzene	50.00	49.6	99.2	3.53	30	80 - 120
Bromobenzene	50.00	52.7	105	0.643	30	75 - 125
Bromochloromethane	50.00	48.6	97.2	1.22	30	65 - 130
Bromodichloromethane	50.00	48.5	97.0	1.68	30	75 - 120
Bromoform	50.00	44.3	88.5	6.68	30	70 - 130
Bromomethane	50.00	45.4	90.8	1.96	30	30 - 145
n-Butylbenzene	50.00	47.4	94.7	0.508	30	70 - 135
2-Butanone	100.0	106	106	5.67	30	30 - 150
sec-Butylbenzene	50.00	48.1	96.2	0.877	30	70 - 125
tert-Butylbenzene	50.00	48.1	96.2	0.877	30	70 - 130
Carbon disulfide	50.00	44.8	89.6	4.36	30	35 - 160
Carbon tetrachloride	50.00	53.2	106	0.394	30	65 - 140
Chlorobenzene	50.00	46.2	92.3	1.02	30	80 - 120
Chloroethane	50.00	53.1	106	2.61	30	60 - 135
Chloroform	50.00	48.4	96.8	2.40	30	65 - 135
Chloromethane	50.00	51.1	102	0.806	30	40 - 125
2-Chlorotoluene	50.00	49.8	99.6	0.800	30	75 - 125
4-Chlorotoluene	50.00	47.5	95.0	0.974	30	75 - 130
Dibromochloromethane	50.00	49.4	98.8	4.26	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	53.5	107	8.14	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.2	98.5	2.07	30	80 - 120
Dibromomethane	50.00	48.4	96.9	1.41	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	49.4	98.8	0.384	30	70 - 120
1,3-Dichlorobenzene	50.00	49.2	98.3	0.203	30	75 - 125
1,4-Dichlorobenzene	50.00	47.1	94.2	2.56	30	75 - 125
Dichlorodifluoromethane	50.00	76.2	152	0.764	30	30 - 155
1,1-Dichloroethane	50.00	49.5	99.1	2.45	30	70 - 135
1,2-Dichloroethane	50.00	50.1	100	3.12	30	70 - 130
1,1-Dichloroethene	50.00	49.0	98.0	3.47	30	70 - 130
cis-1,2-Dichloroethene	50.00	48.0	96.0	3.26	30	70 - 125
trans-1,2-Dichloroethene	50.00	50.0	100	3.13	30	60 - 140
1,2-Dichloropropane	50.00	49.7	99.4	1.97	30	75 - 125
1,3-Dichloropropane	50.00	48.0	96.0	0.104	30	75 - 125
2,2-Dichloropropane	50.00	51.2	102	2.35	30	70 - 135
1,1-Dichloropropene	50.00	50.4	101	2.43	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.4	105	0.647	30	70 - 130
trans-1,3-Dichloropropene	50.00	46.0	91.9	5.01	30	55 - 140
Ethylbenzene	50.00	47.4	94.9	0.337	30	75 - 125
Hexachlorobutadiene	50.00	41.8	83.5	12.2	30	50 - 140
2-Hexanone	100.0	106	106	7.78	30	55 - 130
Isopropylbenzene	50.00	43.7	87.3	0.229	30	75 - 125
p-Isopropyltoluene	50.00	45.0	89.9	0.731	30	75 - 130
Methylene chloride	50.00	47.3	94.6	4.43	30	55 - 140
Naphthalene	50.00	42.6	85.2	14.6	30	55 - 140
4-Methyl-2-pentanone	100.0	110	110	3.54	30	60 - 135
Methyl t-Butyl Ether	50.00	49.0	98.0	2.00	30	65 - 125
n-Propylbenzene	50.00	48.2	96.4	0.311	30	70 - 130
Styrene	50.00	45.8	91.7	0.327	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	57.3	115	2.80	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.7	99.5	2.42	30	80 - 130
Tetrachloroethene	50.00	48.2	96.4	0.207	30	45 - 150
Toluene	50.00	47.6	95.3	0.590	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	40.9	81.8	16.9	30	55 - 140
1,2,4-Trichlorobenzene	50.00	44.7	89.5	10.1	30	65 - 135
1,1,2-Trichloroethane	50.00	49.5	99.1	0.121	30	75 - 125
1,1,1-Trichloroethane	50.00	51.8	104	2.28	30	65 - 130
Trichloroethene	50.00	49.0	98.1	3.74	30	70 - 125
Trichlorofluoromethane	50.00	56.4	113	1.86	30	60 - 145
1,2,3-Trichloropropane	50.00	49.1	98.3	4.18	30	75 - 125
1,3,5-Trimethylbenzene	50.00	48.8	97.7	1.26	30	75 - 130
1,2,4-Trimethylbenzene	50.00	48.2	96.3	0.145	30	75 - 130
Vinyl chloride	50.00	55.0	110	5.43	30	50 - 145
Xylenes (total)	150.0	136	90.3	0.625	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E04001	Laboratory ID:	2E04001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	84.4	84.4	40 - 140
Benzene	50.00	49.4	98.8	80 - 120
Bromobenzene	50.00	48.2	96.4	75 - 125
Bromochloromethane	50.00	50.9	102	65 - 130
Bromodichloromethane	50.00	50.9	102	75 - 120
Bromoform	50.00	50.4	101	70 - 130
Bromomethane	50.00	36.2	72.4	30 - 145
n-Butylbenzene	50.00	50.7	101	70 - 135
2-Butanone	100.0	96.2	96.2	30 - 150
sec-Butylbenzene	50.00	48.9	97.9	70 - 125
tert-Butylbenzene	50.00	50.2	100	70 - 130
Carbon disulfide	50.00	42.3	84.5	35 - 160
Carbon tetrachloride	50.00	57.2	114	65 - 140
Chlorobenzene	50.00	47.6	95.2	80 - 120
Chloroethane	50.00	47.5	94.9	60 - 135
Chloroform	50.00	49.1	98.1	65 - 135
Chloromethane	50.00	36.6	73.3	40 - 125
2-Chlorotoluene	50.00	47.4	94.7	75 - 125
4-Chlorotoluene	50.00	47.8	95.5	75 - 130
Dibromochloromethane	50.00	48.7	97.4	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.2	98.3	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.2	100	80 - 120
Dibromomethane	50.00	49.4	98.7	75 - 125
1,2-Dichlorobenzene	50.00	48.3	96.6	70 - 120
1,3-Dichlorobenzene	50.00	47.7	95.4	75 - 125
1,4-Dichlorobenzene	50.00	48.2	96.4	75 - 125
Dichlorodifluoromethane	50.00	63.0	126	30 - 155
1,1-Dichloroethane	50.00	49.3	98.6	70 - 135
1,2-Dichloroethane	50.00	50.8	102	70 - 130
1,1-Dichloroethene	50.00	48.0	96.0	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E04001	Laboratory ID:	2E04001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.4	98.8	70 - 125
trans-1,2-Dichloroethene	50.00	50.0	100	60 - 140
1,2-Dichloropropane	50.00	49.1	98.2	75 - 125
1,3-Dichloropropane	50.00	49.0	98.0	75 - 125
2,2-Dichloropropane	50.00	55.4	111	70 - 135
1,1-Dichloropropene	50.00	50.0	100	75 - 130
cis-1,3-Dichloropropene	50.00	53.8	108	70 - 130
trans-1,3-Dichloropropene	50.00	48.0	95.9	55 - 140
Ethylbenzene	50.00	49.3	98.6	75 - 125
Hexachlorobutadiene	50.00	50.4	101	50 - 140
2-Hexanone	100.0	105	105	55 - 130
Isopropylbenzene	50.00	46.9	93.8	75 - 125
p-Isopropyltoluene	50.00	47.7	95.5	75 - 130
Methylene chloride	50.00	44.6	89.2	55 - 140
Naphthalene	50.00	50.8	102	55 - 140
4-Methyl-2-pentanone	100.0	109	109	60 - 135
Methyl t-Butyl Ether	50.00	51.2	102	65 - 125
n-Propylbenzene	50.00	48.2	96.4	70 - 130
Styrene	50.00	49.4	98.8	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.0	96.0	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.4	109	80 - 130
Tetrachloroethene	50.00	49.9	99.7	45 - 150
Toluene	50.00	48.6	97.1	75 - 120
1,2,3-Trichlorobenzene	50.00	50.3	101	55 - 140
1,2,4-Trichlorobenzene	50.00	50.4	101	65 - 135
1,1,2-Trichloroethane	50.00	49.7	99.4	75 - 125
1,1,1-Trichloroethane	50.00	54.9	110	65 - 130
Trichloroethene	50.00	50.3	101	70 - 125
Trichlorofluoromethane	50.00	53.4	107	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E04001	Laboratory ID:	2E04001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	51.1	102	75 - 130
1,2,4-Trimethylbenzene	50.00	50.6	101	75 - 130
Vinyl chloride	50.00	53.7	107	50 - 145
Xylenes (total)	150.0	148	98.5	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07001	Laboratory ID:	2E07001-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	89.8	89.8	40 - 140
Benzene	50.00	48.2	96.4	80 - 120
Bromobenzene	50.00	48.3	96.6	75 - 125
Bromochloromethane	50.00	51.4	103	65 - 130
Bromodichloromethane	50.00	51.2	102	75 - 120
Bromoform	50.00	52.5	105	70 - 130
Bromomethane	50.00	33.9	67.8	30 - 145
n-Butylbenzene	50.00	48.4	96.8	70 - 135
2-Butanone	100.0	91.4	91.4	30 - 150
sec-Butylbenzene	50.00	47.5	94.9	70 - 125
tert-Butylbenzene	50.00	49.1	98.3	70 - 130
Carbon disulfide	50.00	43.3	86.6	35 - 160
Carbon tetrachloride	50.00	60.6	121	65 - 140
Chlorobenzene	50.00	47.7	95.3	80 - 120
Chloroethane	50.00	46.6	93.3	60 - 135
Chloroform	50.00	49.2	98.4	65 - 135
Chloromethane	50.00	34.0	68.1	40 - 125
2-Chlorotoluene	50.00	46.2	92.5	75 - 125
4-Chlorotoluene	50.00	46.4	92.8	75 - 130
Dibromochloromethane	50.00	50.8	102	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.0	98.0	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.6	99.2	80 - 120
Dibromomethane	50.00	48.9	97.8	75 - 125
1,2-Dichlorobenzene	50.00	47.2	94.4	70 - 120
1,3-Dichlorobenzene	50.00	47.3	94.5	75 - 125
1,4-Dichlorobenzene	50.00	48.0	96.0	75 - 125
Dichlorodifluoromethane	50.00	61.4	123	30 - 155
1,1-Dichloroethane	50.00	49.2	98.3	70 - 135
1,2-Dichloroethane	50.00	50.8	102	70 - 130
1,1-Dichloroethene	50.00	43.6	87.1	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07001	Laboratory ID:	2E07001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.5	97.0	70 - 125
trans-1,2-Dichloroethene	50.00	49.9	99.9	60 - 140
1,2-Dichloropropane	50.00	47.5	94.9	75 - 125
1,3-Dichloropropane	50.00	47.7	95.4	75 - 125
2,2-Dichloropropane	50.00	56.6	113	70 - 135
1,1-Dichloropropene	50.00	49.8	99.6	75 - 130
cis-1,3-Dichloropropene	50.00	53.3	107	70 - 130
trans-1,3-Dichloropropene	50.00	48.8	97.6	55 - 140
Ethylbenzene	50.00	49.2	98.3	75 - 125
Hexachlorobutadiene	50.00	52.9	106	50 - 140
2-Hexanone	100.0	98.6	98.6	55 - 130
Isopropylbenzene	50.00	47.3	94.7	75 - 125
p-Isopropyltoluene	50.00	47.1	94.2	75 - 130
Methylene chloride	50.00	43.9	87.8	55 - 140
Naphthalene	50.00	48.8	97.5	55 - 140
4-Methyl-2-pentanone	100.0	98.7	98.7	60 - 135
Methyl t-Butyl Ether	50.00	51.4	103	65 - 125
n-Propylbenzene	50.00	46.7	93.4	70 - 130
Styrene	50.00	49.6	99.2	65 - 135
1,1,2,2-Tetrachloroethane	50.00	44.8	89.7	65 - 130
1,1,1,2-Tetrachloroethane	50.00	56.6	113	80 - 130
Tetrachloroethene	50.00	50.3	101	45 - 150
Toluene	50.00	48.1	96.2	75 - 120
1,2,3-Trichlorobenzene	50.00	50.0	99.9	55 - 140
1,2,4-Trichlorobenzene	50.00	50.1	100	65 - 135
1,1,2-Trichloroethane	50.00	47.9	95.8	75 - 125
1,1,1-Trichloroethane	50.00	56.6	113	65 - 130
Trichloroethene	50.00	50.3	101	70 - 125
Trichlorofluoromethane	50.00	56.2	112	60 - 145
1,2,3-Trichloropropane	50.00	50.8	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07001	Laboratory ID:	2E07001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	50.1	100	75 - 130
1,2,4-Trimethylbenzene	50.00	49.9	99.7	75 - 130
Vinyl chloride	50.00	53.0	106	50 - 145
Xylenes (total)	150.0	146	97.1	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04001

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	78.6	78.6		40 - 140
Benzene	50.00	ND	50.0	100		80 - 120
Bromobenzene	50.00	ND	49.2	98.4		75 - 125
Bromochloromethane	50.00	ND	50.4	101		65 - 130
Bromodichloromethane	50.00	ND	50.5	101		75 - 120
Bromoform	50.00	ND	48.8	97.5		70 - 130
Bromomethane	50.00	ND	26.8	53.6		30 - 145
n-Butylbenzene	50.00	ND	49.0	97.9		70 - 135
2-Butanone	100.0	ND	89.0	89.0		30 - 150
sec-Butylbenzene	50.00	ND	48.8	97.7		70 - 125
tert-Butylbenzene	50.00	ND	50.3	101		70 - 130
Carbon disulfide	50.00	ND	45.1	90.3		35 - 160
Carbon tetrachloride	50.00	ND	57.5	115		65 - 140
Chlorobenzene	50.00	ND	48.3	96.6		80 - 120
Chloroethane	50.00	ND	51.6	103		60 - 135
Chloroform	50.00	ND	50.4	101		65 - 135
Chloromethane	50.00	ND	35.9	71.8		40 - 125
2-Chlorotoluene	50.00	ND	48.7	97.5		75 - 125
4-Chlorotoluene	50.00	ND	48.4	96.8		75 - 130
Dibromochloromethane	50.00	ND	46.9	93.8		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	49.6	99.3		50 - 130
1,2-Dibromoethane (EDB)	50.00	0.450	50.8	101		80 - 120
Dibromomethane	50.00	ND	49.8	99.7		75 - 125
1,2-Dichlorobenzene	50.00	ND	48.1	96.3		70 - 120
1,3-Dichlorobenzene	50.00	ND	48.0	96.1		75 - 125
1,4-Dichlorobenzene	50.00	ND	48.4	96.8		75 - 125
Dichlorodifluoromethane	50.00	ND	64.6	129		30 - 155
1,1-Dichloroethane	50.00	ND	49.9	99.8		70 - 135
1,2-Dichloroethane	50.00	ND	51.6	103		70 - 130
1,1-Dichloroethene	50.00	ND	47.6	95.2		70 - 130
cis-1,2-Dichloroethene	50.00	ND	49.7	99.3		70 - 125
trans-1,2-Dichloroethene	50.00	ND	51.0	102		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04001

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	48.7	97.3		75 - 125
1,3-Dichloropropane	50.00	ND	48.7	97.5		75 - 125
2,2-Dichloropropane	50.00	ND	53.4	107		70 - 135
1,1-Dichloropropene	50.00	ND	52.1	104		75 - 130
cis-1,3-Dichloropropene	50.00	ND	52.4	105		70 - 130
trans-1,3-Dichloropropene	50.00	ND	46.6	93.1		55 - 140
Ethylbenzene	50.00	ND	51.0	102		75 - 125
Hexachlorobutadiene	50.00	ND	44.6	89.3		50 - 140
2-Hexanone	100.0	ND	96.3	96.3		55 - 130
Isopropylbenzene	50.00	ND	48.2	96.4		75 - 125
p-Isopropyltoluene	50.00	ND	47.9	95.8		75 - 130
Methylene chloride	50.00	ND	46.4	92.8		55 - 140
Naphthalene	50.00	ND	51.1	102		55 - 140
4-Methyl-2-pentanone	100.0	ND	101	101		60 - 135
Methyl t-Butyl Ether	50.00	ND	49.5	99.1		65 - 125
n-Propylbenzene	50.00	ND	48.9	97.8		70 - 130
Styrene	50.00	ND	50.1	100		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	48.5	97.0		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	53.9	108		80 - 130
Tetrachloroethene	50.00	ND	50.3	101		45 - 150
Toluene	50.00	ND	49.8	99.7		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	48.0	95.9		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	48.2	96.4		65 - 135
1,1,2-Trichloroethane	50.00	ND	48.8	97.5		75 - 125
1,1,1-Trichloroethane	50.00	ND	55.8	112		65 - 130
Trichloroethene	50.00	ND	52.0	104		70 - 125
Trichlorofluoromethane	50.00	ND	55.9	112		60 - 145
1,2,3-Trichloropropane	50.00	ND	51.9	104		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	51.9	104		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	51.2	102		75 - 130
Vinyl chloride	50.00	ND	54.2	108		50 - 145
Xylenes (total)	150.0	ND	152	101		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04001

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	83.9	83.9	6.57		30	40 - 140
Benzene	50.00	49.5	98.9	1.09		30	80 - 120
Bromobenzene	50.00	49.2	98.3	0.0813		30	75 - 125
Bromochloromethane	50.00	50.9	102	0.849		30	65 - 130
Bromodichloromethane	50.00	50.9	102	0.828		30	75 - 120
Bromoform	50.00	49.9	99.8	2.29		30	70 - 130
Bromomethane	50.00	32.9	65.8	20.3		30	30 - 145
n-Butylbenzene	50.00	48.6	97.2	0.738		30	70 - 135
2-Butanone	100.0	86.8	86.8	2.45		30	30 - 150
sec-Butylbenzene	50.00	47.0	94.0	3.80		30	70 - 125
tert-Butylbenzene	50.00	49.1	98.3	2.31		30	70 - 130
Carbon disulfide	50.00	40.7	81.4	10.3		30	35 - 160
Carbon tetrachloride	50.00	56.5	113	1.75		30	65 - 140
Chlorobenzene	50.00	47.3	94.6	2.09		30	80 - 120
Chloroethane	50.00	48.1	96.3	7.02		30	60 - 135
Chloroform	50.00	49.8	99.6	1.26		30	65 - 135
Chloromethane	50.00	35.8	71.5	0.447		30	40 - 125
2-Chlorotoluene	50.00	47.7	95.4	2.14		30	75 - 125
4-Chlorotoluene	50.00	47.2	94.3	2.64		30	75 - 130
Dibromochloromethane	50.00	48.0	95.9	2.23		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.4	98.7	0.586		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.8	101	0.0197		30	80 - 120
Dibromomethane	50.00	51.1	102	2.58		30	75 - 125
1,2-Dichlorobenzene	50.00	48.0	96.1	0.187		30	70 - 120
1,3-Dichlorobenzene	50.00	47.7	95.3	0.815		30	75 - 125
1,4-Dichlorobenzene	50.00	48.2	96.3	0.435		30	75 - 125
Dichlorodifluoromethane	50.00	64.6	129	0.0619		30	30 - 155
1,1-Dichloroethane	50.00	48.9	97.8	2.04		30	70 - 135
1,2-Dichloroethane	50.00	52.3	105	1.33		30	70 - 130
1,1-Dichloroethene	50.00	44.7	89.3	6.31		30	70 - 130
cis-1,2-Dichloroethene	50.00	49.2	98.4	0.951		30	70 - 125
trans-1,2-Dichloroethene	50.00	49.9	99.9	2.04		30	60 - 140
1,2-Dichloropropane	50.00	48.8	97.7	0.349		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04001

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	49.4	98.7	1.28		30	75 - 125
2,2-Dichloropropane	50.00	51.6	103	3.43		30	70 - 135
1,1-Dichloropropene	50.00	50.8	102	2.64		30	75 - 130
cis-1,3-Dichloropropene	50.00	53.2	106	1.63		30	70 - 130
trans-1,3-Dichloropropene	50.00	47.2	94.5	1.43		30	55 - 140
Ethylbenzene	50.00	49.5	98.9	2.99		30	75 - 125
Hexachlorobutadiene	50.00	46.9	93.9	4.98		30	50 - 140
2-Hexanone	100.0	97.8	97.8	1.57		30	55 - 130
Isopropylbenzene	50.00	47.1	94.3	2.24		30	75 - 125
p-Isopropyltoluene	50.00	46.1	92.2	3.81		30	75 - 130
Methylene chloride	50.00	43.3	86.6	6.89		30	55 - 140
Naphthalene	50.00	50.6	101	0.905		30	55 - 140
4-Methyl-2-pentanone	100.0	101	101	0.614		30	60 - 135
Methyl t-Butyl Ether	50.00	51.0	102	2.89		30	65 - 125
n-Propylbenzene	50.00	47.3	94.6	3.37		30	70 - 130
Styrene	50.00	49.8	99.6	0.601		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.4	96.8	0.206		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.7	107	0.390		30	80 - 130
Tetrachloroethene	50.00	49.0	98.1	2.58		30	45 - 150
Toluene	50.00	49.0	98.1	1.62		30	75 - 120
1,2,3-Trichlorobenzene	50.00	49.8	99.7	3.85		30	55 - 140
1,2,4-Trichlorobenzene	50.00	48.9	97.8	1.50		30	65 - 135
1,1,2-Trichloroethane	50.00	49.8	99.5	2.03		30	75 - 125
1,1,1-Trichloroethane	50.00	54.6	109	2.12		30	65 - 130
Trichloroethene	50.00	50.5	101	2.89		30	70 - 125
Trichlorofluoromethane	50.00	54.9	110	1.79		30	60 - 145
1,2,3-Trichloropropane	50.00	52.0	104	0.173		30	75 - 125
1,3,5-Trimethylbenzene	50.00	50.7	101	2.38		30	75 - 130
1,2,4-Trimethylbenzene	50.00	50.2	100	2.01		30	75 - 130
Vinyl chloride	50.00	54.3	109	0.184		30	50 - 145
Xylenes (total)	150.0	150	99.7	1.71		30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07001

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	77.0	77.0		40 - 140
Benzene	50.00	ND	47.2	94.4		80 - 120
Bromobenzene	50.00	ND	47.8	95.5		75 - 125
Bromochloromethane	50.00	ND	49.4	98.9		65 - 130
Bromodichloromethane	50.00	ND	49.0	98.1		75 - 120
Bromoform	50.00	ND	47.4	94.7		70 - 130
Bromomethane	50.00	ND	31.9	63.7		30 - 145
n-Butylbenzene	50.00	ND	47.1	94.3		70 - 135
2-Butanone	100.0	ND	92.7	92.7		30 - 150
sec-Butylbenzene	50.00	ND	47.3	94.7		70 - 125
tert-Butylbenzene	50.00	ND	48.5	96.9		70 - 130
Carbon disulfide	50.00	ND	39.3	78.5		35 - 160
Carbon tetrachloride	50.00	ND	56.4	113		65 - 140
Chlorobenzene	50.00	ND	45.6	91.3		80 - 120
Chloroethane	50.00	ND	46.5	93.0		60 - 135
Chloroform	50.00	ND	49.4	98.7		65 - 135
Chloromethane	50.00	ND	37.5	75.1		40 - 125
2-Chlorotoluene	50.00	ND	45.8	91.7		75 - 125
4-Chlorotoluene	50.00	ND	46.4	92.7		75 - 130
Dibromochloromethane	50.00	ND	45.8	91.7		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	46.6	93.3		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	47.8	95.7		80 - 120
Dibromomethane	50.00	ND	48.4	96.8		75 - 125
1,2-Dichlorobenzene	50.00	ND	46.5	93.0		70 - 120
1,3-Dichlorobenzene	50.00	ND	45.9	91.8		75 - 125
1,4-Dichlorobenzene	50.00	ND	46.9	93.8		75 - 125
Dichlorodifluoromethane	50.00	ND	61.2	122		30 - 155
1,1-Dichloroethane	50.00	ND	50.6	101		70 - 135
1,2-Dichloroethane	50.00	ND	50.3	101		70 - 130
1,1-Dichloroethene	50.00	ND	44.4	88.9		70 - 130
cis-1,2-Dichloroethene	50.00	ND	50.0	99.9		70 - 125
trans-1,2-Dichloroethene	50.00	ND	51.4	103		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07001

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	46.9	93.8		75 - 125
1,3-Dichloropropane	50.00	ND	46.6	93.1		75 - 125
2,2-Dichloropropane	50.00	ND	55.6	111		70 - 135
1,1-Dichloropropene	50.00	ND	49.7	99.4		75 - 130
cis-1,3-Dichloropropene	50.00	ND	50.8	102		70 - 130
trans-1,3-Dichloropropene	50.00	ND	45.4	90.7		55 - 140
Ethylbenzene	50.00	ND	47.8	95.7		75 - 125
Hexachlorobutadiene	50.00	ND	45.6	91.1		50 - 140
2-Hexanone	100.0	ND	96.4	96.4		55 - 130
Isopropylbenzene	50.00	ND	46.1	92.1		75 - 125
p-Isopropyltoluene	50.00	ND	46.3	92.6		75 - 130
Methylene chloride	50.00	ND	40.4	80.9		55 - 140
Naphthalene	50.00	ND	47.8	95.6		55 - 140
4-Methyl-2-pentanone	100.0	ND	101	101		60 - 135
Methyl t-Butyl Ether	50.00	ND	50.7	101		65 - 125
n-Propylbenzene	50.00	ND	45.9	91.8		70 - 130
Styrene	50.00	ND	47.5	94.9		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	45.1	90.2		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	52.6	105		80 - 130
Tetrachloroethene	50.00	ND	48.9	97.8		45 - 150
Toluene	50.00	ND	46.8	93.5		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	47.0	94.0		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	47.2	94.3		65 - 135
1,1,2-Trichloroethane	50.00	ND	46.4	92.9		75 - 125
1,1,1-Trichloroethane	50.00	ND	54.5	109		65 - 130
Trichloroethene	50.00	ND	49.5	98.9		70 - 125
Trichlorofluoromethane	50.00	ND	54.6	109		60 - 145
1,2,3-Trichloropropane	50.00	ND	49.6	99.1		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	49.8	99.5		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	49.6	99.2		75 - 130
Vinyl chloride	50.00	ND	53.9	108		50 - 145
Xylenes (total)	150.0	ND	143	95.6		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07001

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	78.1	78.1	1.42		30	40 - 140
Benzene	50.00	45.1	90.2	4.59		30	80 - 120
Bromobenzene	50.00	45.6	91.3	4.56		30	75 - 125
Bromochloromethane	50.00	48.6	97.3	1.65		30	65 - 130
Bromodichloromethane	50.00	48.1	96.2	1.91		30	75 - 120
Bromoform	50.00	47.8	95.6	0.925		30	70 - 130
Bromomethane	50.00	34.6	69.2	8.27		30	30 - 145
n-Butylbenzene	50.00	44.2	88.4	6.44		30	70 - 135
2-Butanone	100.0	88.5	88.5	4.62		30	30 - 150
sec-Butylbenzene	50.00	44.2	88.3	6.91		30	70 - 125
tert-Butylbenzene	50.00	45.7	91.4	5.86		30	70 - 130
Carbon disulfide	50.00	39.7	79.4	1.14		30	35 - 160
Carbon tetrachloride	50.00	54.7	109	3.06		30	65 - 140
Chlorobenzene	50.00	44.4	88.8	2.71		30	80 - 120
Chloroethane	50.00	44.4	88.8	4.60		30	60 - 135
Chloroform	50.00	46.3	92.6	6.44		30	65 - 135
Chloromethane	50.00	35.6	71.3	5.19		30	40 - 125
2-Chlorotoluene	50.00	43.8	87.5	4.64		30	75 - 125
4-Chlorotoluene	50.00	43.6	87.3	6.02		30	75 - 130
Dibromochloromethane	50.00	46.5	93.0	1.45		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.8	93.7	0.428		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.6	95.2	0.524		30	80 - 120
Dibromomethane	50.00	48.0	95.9	0.934		30	75 - 125
1,2-Dichlorobenzene	50.00	44.9	89.7	3.57		30	70 - 120
1,3-Dichlorobenzene	50.00	44.2	88.4	3.80		30	75 - 125
1,4-Dichlorobenzene	50.00	45.2	90.3	3.78		30	75 - 125
Dichlorodifluoromethane	50.00	58.8	118	4.00		30	30 - 155
1,1-Dichloroethane	50.00	48.4	96.8	4.56		30	70 - 135
1,2-Dichloroethane	50.00	49.7	99.5	1.18		30	70 - 130
1,1-Dichloroethene	50.00	42.4	84.8	4.72		30	70 - 130
cis-1,2-Dichloroethene	50.00	45.7	91.4	8.88		30	70 - 125
trans-1,2-Dichloroethene	50.00	48.4	96.9	5.95		30	60 - 140
1,2-Dichloropropane	50.00	45.3	90.6	3.45		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07001

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	45.8	91.7	1.58		30	75 - 125
2,2-Dichloropropane	50.00	51.0	102	8.63		30	70 - 135
1,1-Dichloropropene	50.00	46.8	93.6	6.09		30	75 - 130
cis-1,3-Dichloropropene	50.00	50.0	99.9	1.75		30	70 - 130
trans-1,3-Dichloropropene	50.00	45.1	90.3	0.464		30	55 - 140
Ethylbenzene	50.00	46.4	92.9	2.95		30	75 - 125
Hexachlorobutadiene	50.00	45.1	90.2	0.948		30	50 - 140
2-Hexanone	100.0	96.0	96.0	0.343		30	55 - 130
Isopropylbenzene	50.00	44.3	88.7	3.81		30	75 - 125
p-Isopropyltoluene	50.00	43.5	87.0	6.19		30	75 - 130
Methylene chloride	50.00	41.8	83.6	3.33		30	55 - 140
Naphthalene	50.00	48.0	96.1	0.480		30	55 - 140
4-Methyl-2-pentanone	100.0	99.2	99.2	1.78		30	60 - 135
Methyl t-Butyl Ether	50.00	50.4	101	0.732		30	65 - 125
n-Propylbenzene	50.00	43.0	85.9	6.68		30	70 - 130
Styrene	50.00	46.9	93.8	1.23		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	43.7	87.4	3.13		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.1	104	1.11		30	80 - 130
Tetrachloroethene	50.00	47.3	94.7	3.28		30	45 - 150
Toluene	50.00	45.5	91.0	2.71		30	75 - 120
1,2,3-Trichlorobenzene	50.00	46.0	92.0	2.11		30	55 - 140
1,2,4-Trichlorobenzene	50.00	46.0	92.0	2.49		30	65 - 135
1,1,2-Trichloroethane	50.00	46.7	93.4	0.515		30	75 - 125
1,1,1-Trichloroethane	50.00	52.1	104	4.52		30	65 - 130
Trichloroethene	50.00	47.5	94.9	4.13		30	70 - 125
Trichlorofluoromethane	50.00	52.4	105	4.09		30	60 - 145
1,2,3-Trichloropropane	50.00	49.1	98.2	0.953		30	75 - 125
1,3,5-Trimethylbenzene	50.00	46.9	93.7	6.00		30	75 - 130
1,2,4-Trimethylbenzene	50.00	46.7	93.4	6.00		30	75 - 130
Vinyl chloride	50.00	51.4	103	4.79		30	50 - 145
Xylenes (total)	150.0	140	93.3	2.37		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E03012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/03/12 00:00	5.00	5.00
GW0553	1205009-03	05/03/12 00:00	5.00	5.00
GW0554	1205009-05	05/03/12 00:00	5.00	5.00
GW0602	1205009-07	05/03/12 00:00	5.00	5.00
GW0617	1205009-09	05/03/12 00:00	5.00	5.00
GW0618	1205009-11	05/03/12 00:00	5.00	5.00
GW8200-TB	1205009-13	05/03/12 00:00	5.00	5.00
Blank	2E03012-BLK1	05/03/12 00:00	5.00	5.00
LCS	2E03012-BS1	05/03/12 00:00	5.00	5.00
LCS Dup	2E03012-BSD1	05/03/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E04001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0525	1205021-01	05/04/12 00:00	5.00	5.00
GW0538	1205021-03	05/04/12 00:00	5.00	5.00
GW0539	1205021-05	05/04/12 00:00	5.00	5.00
GW0561	1205021-07	05/04/12 00:00	5.00	5.00
GW0601	1205021-09	05/04/12 00:00	5.00	5.00
GW8201-TB	1205021-11	05/04/12 00:00	5.00	5.00
Blank	2E04001-BLK1	05/04/12 00:00	5.00	5.00
LCS	2E04001-BS1	05/04/12 00:00	5.00	5.00
GW0538	2E04001-MS1	05/04/12 00:00	5.00	5.00
GW0538	2E04001-MSD1	05/04/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E07001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/07/12 00:00	5.00	5.00
GW0524	1205028-03	05/07/12 00:00	5.00	5.00
GW0537	1205028-05	05/07/12 00:00	5.00	5.00
GW0555	1205028-07	05/07/12 00:00	5.00	5.00
GW0556	1205028-09	05/07/12 00:00	5.00	5.00
GW0580	1205028-11	05/07/12 00:00	5.00	5.00
GW0581	1205028-13	05/07/12 00:00	5.00	5.00
GW0582	1205028-15	05/07/12 00:00	5.00	5.00
GW0616	1205028-17	05/07/12 00:00	5.00	5.00
GW8052-AB	1205028-19	05/07/12 00:00	5.00	5.00
GW8053-AB	1205028-20	05/07/12 00:00	5.00	5.00
GW8202-TB	1205028-21	05/07/12 00:00	5.00	5.00
Blank	2E07001-BLK1	05/07/12 00:00	5.00	5.00
LCS	2E07001-BS1	05/07/12 00:00	5.00	5.00
GW0581	2E07001-MS1	05/07/12 00:00	5.00	5.00
GW0581	2E07001-MSD1	05/07/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0420TU1.D	Injection Date:	04/20/12
Instrument ID:	MS-VOA5	Injection Time:	12:21
Sequence:	2D11404	Lab Sample ID:	2D11404-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.8	PASS
75	30 - 60% of 95	40.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.59	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	88.2	PASS
175	5 - 9% of 174	7.28	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	6.13	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0427TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-VOA6	Injection Time:	08:36
Sequence:	2D12109	Lab Sample ID:	2D12109-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0503TU1.D	Injection Date:	05/03/12
Instrument ID:	MS-VOA5	Injection Time:	07:23
Sequence:	2E12512	Lab Sample ID:	2E12512-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.6	PASS
75	30 - 60% of 95	41.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.8	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	82.9	PASS
175	5 - 9% of 174	7.96	PASS
176	95 - 101% of 174	95.8	PASS
177	5 - 9% of 176	6.38	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0504TUN1.D	Injection Date:	05/04/12
Instrument ID:	MS-VOA6	Injection Time:	06:13
Sequence:	2E12804	Lab Sample ID:	2E12804-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.7	PASS
75	30 - 60% of 95	47.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.78	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	78.6	PASS
175	5 - 9% of 174	7.18	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.53	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0507TUN1.D	Injection Date:	05/07/12
Instrument ID:	MS-VOA6	Injection Time:	06:36
Sequence:	2E12903	Lab Sample ID:	2E12903-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.6	PASS
75	30 - 60% of 95	48.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.63	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	79.4	PASS
175	5 - 9% of 174	7.33	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.59	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11404	Instrument:	MS-VOA5
Calibration:	2114002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D11404-TUN1	0420TU1.D	04/20/12 12:21
Cal Standard	2D11404-CAL1	0420CAL1.D	04/20/12 13:17
Cal Standard	2D11404-CAL2	0420CAL2.D	04/20/12 13:42
Cal Standard	2D11404-CAL3	0420CAL3.D	04/20/12 14:07
Cal Standard	2D11404-CAL4	0420CAL4.D	04/20/12 14:33
Cal Standard	2D11404-CAL5	0420CAL5.D	04/20/12 14:58
Cal Standard	2D11404-CAL6	0420CAL6.D	04/20/12 15:23
Cal Standard	2D11404-CAL7	0420CAL7.D	04/20/12 15:48
Cal Standard	2D11404-CAL8	0420CAL8.D	04/20/12 16:14
Cal Standard	2D11404-CAL9	0420CAL9.D	04/20/12 16:39
Initial Cal Check	2D11404-ICV1	0420ICV1.D	04/20/12 17:30
Initial Cal Check	2D11404-ICV2	0420ICV2.D	04/20/12 17:55

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12109	Instrument:	MS-VOA6
Calibration:	2121003		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
Calibration:	2114002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12512-TUN1	0503TU1.D	05/03/12 07:23
Calibration Check	2E12512-CCV1	0503CCV1.D	05/03/12 07:56
LCS	2E03012-BS1	0503LCS1.D	05/03/12 08:32
Blank	2E03012-BLK1	0503BL1.D	05/03/12 09:52
GW8200-TB	1205009-13	0500913.D	05/03/12 10:46
GW0526	1205009-01	0500901.D	05/03/12 11:12
GW0553	1205009-03	0500903.D	05/03/12 11:39
GW0554	1205009-05	0500905.D	05/03/12 13:26
GW0602	1205009-07	0500907.D	05/03/12 13:53
GW0617	1205009-09	0500909.D	05/03/12 14:20
GW0618	1205009-11	0500911.D	05/03/12 14:47
LCS Dup	2E03012-BSD1	0503LCD1.D	05/03/12 17:54

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12804	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12804-TUN1	0504TUN1.D	05/04/12 06:13
Calibration Check	2E12804-CCV1	0504CCV1.D	05/04/12 06:40
LCS	2E04001-BS1	0504LCS1.D	05/04/12 07:07
Blank	2E04001-BLK1	0504BL1.D	05/04/12 08:54
GW8201-TB	1205021-11	0502111.D	05/04/12 10:14
GW0525	1205021-01	0502101.D	05/04/12 12:02
GW0538	1205021-03	0502103.D	05/04/12 12:29
GW0539	1205021-05	0502105.D	05/04/12 12:56
GW0561	1205021-07	0502107.D	05/04/12 13:22
GW0601	1205021-09	0502109D.D	05/04/12 14:43
GW0538	2E04001-MS1	0502103M.D	05/04/12 15:10
GW0538	2E04001-MSD1	0502103S.D	05/04/12 15:37

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12903	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12903-TUN1	0507TUN1.D	05/07/12 06:36
Calibration Check	2E12903-CCV1	0507CCV1.D	05/07/12 07:03
LCS	2E07001-BS1	0507LCS1.D	05/07/12 07:30
Blank	2E07001-BLK1	0507BL1.D	05/07/12 08:50
GW8202-TB	1205028-21	0502821.D	05/07/12 09:17
GW0581	1205028-13	0502813.D	05/07/12 10:11
GW8052-AB	1205028-19	0502819.D	05/07/12 10:38
GW8053-AB	1205028-20	0502820.D	05/07/12 11:05
GW0507	1205028-01	0502801.D	05/07/12 11:31
GW0524	1205028-03	0502803.D	05/07/12 11:58
GW0537	1205028-05	0502805.D	05/07/12 12:25
GW0555	1205028-07	0502807.D	05/07/12 12:52
GW0556	1205028-09	0502809.D	05/07/12 13:19
GW0580	1205028-11	0502811D.D	05/07/12 13:46
GW0582	1205028-15	0502815.D	05/07/12 14:13
GW0616	1205028-17	0502817.D	05/07/12 14:39
GW0581	2E07001-MS1	0502813M.D	05/07/12 16:00
GW0581	2E07001-MSD1	0502813S.D	05/07/12 16:27

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
		Calibration:	2114002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12512-CCV1)			Lab File ID: 0503CCV1.D			Analyzed: 05/03/12 07:56			
Fluorobenzene	1041697	7.81	1273267	7.83	82	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	365970	10.95	442054	10.96	83	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	341591	13.35	425115	13.35	80	50 - 200	0.0000	+/-0.50	
LCS (2E03012-BS1)			Lab File ID: 0503LCS1.D			Analyzed: 05/03/12 08:32			
Fluorobenzene	1085411	7.81	1041697	7.81	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	375565	10.95	365970	10.95	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	325395	13.35	341591	13.35	95	50 - 200	0.0000	+/-0.50	
Blank (2E03012-BLK1)			Lab File ID: 0503BL1.D			Analyzed: 05/03/12 09:52			
Fluorobenzene	1092873	7.81	1041697	7.81	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	382098	10.94	365970	10.95	104	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	286526	13.34	341591	13.35	84	50 - 200	-0.0100	+/-0.50	
GW8200-TB (1205009-13)			Lab File ID: 0500913.D			Analyzed: 05/03/12 10:46			
Fluorobenzene	1077709	7.8	1041697	7.81	103	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	380446	10.95	365970	10.95	104	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	242341	13.34	341591	13.35	71	50 - 200	-0.0100	+/-0.50	
GW0526 (1205009-01)			Lab File ID: 0500901.D			Analyzed: 05/03/12 11:12			
Fluorobenzene	1054759	7.8	1041697	7.81	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	374174	10.95	365970	10.95	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	280049	13.34	341591	13.35	82	50 - 200	-0.0100	+/-0.50	
GW0553 (1205009-03)			Lab File ID: 0500903.D			Analyzed: 05/03/12 11:39			
Fluorobenzene	1063539	7.81	1041697	7.81	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	373910	10.94	365970	10.95	102	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	272075	13.34	341591	13.35	80	50 - 200	-0.0100	+/-0.50	
GW0554 (1205009-05)			Lab File ID: 0500905.D			Analyzed: 05/03/12 13:26			
Fluorobenzene	1058571	7.81	1041697	7.81	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	370853	10.94	365970	10.95	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	274699	13.34	341591	13.35	80	50 - 200	-0.0100	+/-0.50	
GW0602 (1205009-07)			Lab File ID: 0500907.D			Analyzed: 05/03/12 13:53			
Fluorobenzene	1051295	7.81	1041697	7.81	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	367887	10.94	365970	10.95	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	273275	13.34	341591	13.35	80	50 - 200	-0.0100	+/-0.50	
GW0617 (1205009-09)			Lab File ID: 0500909.D			Analyzed: 05/03/12 14:20			
Fluorobenzene	1061792	7.81	1041697	7.81	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	367572	10.94	365970	10.95	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	277911	13.34	341591	13.35	81	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
		Calibration:	2114002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0618 (1205009-11)			Lab File ID: 0500911.D			Analyzed: 05/03/12 14:47			
Fluorobenzene	1051211	7.8	1041697	7.81	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	370359	10.95	365970	10.95	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	267475	13.34	341591	13.35	78	50 - 200	-0.0100	+/-0.50	
LCS Dup (2E03012-BSD1)			Lab File ID: 0503LCD1.D			Analyzed: 05/03/12 17:54			
Fluorobenzene	994658	7.8	1041697	7.81	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	352534	10.95	365970	10.95	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	306186	13.34	341591	13.35	90	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12804	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12804-CCV1)			Lab File ID: 0504CCV1.D			Analyzed: 05/04/12 06:40			
Fluorobenzene	1119300	7.95	1322112	7.95	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	450126	11.06	523124	11.06	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	375889	13.46	431103	13.45	87	50 - 200	0.0100	+/-0.50	
LCS (2E04001-BS1)			Lab File ID: 0504LCS1.D			Analyzed: 05/04/12 07:07			
Fluorobenzene	1108930	7.95	1119300	7.95	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	453552	11.06	450126	11.06	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	375987	13.45	375889	13.46	100	50 - 200	-0.0100	+/-0.50	
Blank (2E04001-BLK1)			Lab File ID: 0504BL1.D			Analyzed: 05/04/12 08:54			
Fluorobenzene	1116910	7.95	1119300	7.95	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	452663	11.06	450126	11.06	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	379012	13.45	375889	13.46	101	50 - 200	-0.0100	+/-0.50	
GW8201-TB (1205021-11)			Lab File ID: 0502111.D			Analyzed: 05/04/12 10:14			
Fluorobenzene	1093361	7.94	1119300	7.95	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	444496	11.05	450126	11.06	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	375906	13.46	375889	13.46	100	50 - 200	0.0000	+/-0.50	
GW0525 (1205021-01)			Lab File ID: 0502101.D			Analyzed: 05/04/12 12:02			
Fluorobenzene	1070267	7.94	1119300	7.95	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	439148	11.05	450126	11.06	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	364405	13.46	375889	13.46	97	50 - 200	0.0000	+/-0.50	
GW0538 (1205021-03)			Lab File ID: 0502103.D			Analyzed: 05/04/12 12:29			
Fluorobenzene	1078124	7.94	1119300	7.95	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	443927	11.05	450126	11.06	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	367100	13.46	375889	13.46	98	50 - 200	0.0000	+/-0.50	
GW0539 (1205021-05)			Lab File ID: 0502105.D			Analyzed: 05/04/12 12:56			
Fluorobenzene	1077467	7.94	1119300	7.95	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	441581	11.05	450126	11.06	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	367304	13.46	375889	13.46	98	50 - 200	0.0000	+/-0.50	
GW0561 (1205021-07)			Lab File ID: 0502107.D			Analyzed: 05/04/12 13:22			
Fluorobenzene	1078029	7.95	1119300	7.95	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	436924	11.06	450126	11.06	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	365320	13.45	375889	13.46	97	50 - 200	-0.0100	+/-0.50	
GW0601 (1205021-09)			Lab File ID: 0502109D.D			Analyzed: 05/04/12 14:43			
Fluorobenzene	1018617	7.94	1119300	7.95	91	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	409422	11.06	450126	11.06	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	336831	13.46	375889	13.46	90	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12804	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2E04001-MS1)			Lab File ID: 0502103M.D			Analyzed: 05/04/12 15:10			
Fluorobenzene	1041508	7.94	1119300	7.95	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	425759	11.06	450126	11.06	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	354899	13.46	375889	13.46	94	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2E04001-MSD1)			Lab File ID: 0502103S.D			Analyzed: 05/04/12 15:37			
Fluorobenzene	1031537	7.95	1119300	7.95	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	424350	11.06	450126	11.06	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	357274	13.45	375889	13.46	95	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12903	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12903-CCV1)			Lab File ID: 0507CCV1.D			Analyzed: 05/07/12 07:03			
Fluorobenzene	1061167	7.95	1322112	7.95	80	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	427651	11.06	523124	11.06	82	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	359867	13.47	431103	13.45	83	50 - 200	0.0200	+/-0.50	
LCS (2E07001-BS1)			Lab File ID: 0507LCS1.D			Analyzed: 05/07/12 07:30			
Fluorobenzene	1061780	7.96	1061167	7.95	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	432308	11.07	427651	11.06	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	367033	13.46	359867	13.47	102	50 - 200	-0.0100	+/-0.50	
Blank (2E07001-BLK1)			Lab File ID: 0507BL1.D			Analyzed: 05/07/12 08:50			
Fluorobenzene	1085445	7.96	1061167	7.95	102	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	441576	11.07	427651	11.06	103	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	373966	13.46	359867	13.47	104	50 - 200	-0.0100	+/-0.50	
GW8202-TB (1205028-21)			Lab File ID: 0502821.D			Analyzed: 05/07/12 09:17			
Fluorobenzene	1079911	7.96	1061167	7.95	102	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	436612	11.07	427651	11.06	102	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	369637	13.46	359867	13.47	103	50 - 200	-0.0100	+/-0.50	
GW0581 (1205028-13)			Lab File ID: 0502813.D			Analyzed: 05/07/12 10:11			
Fluorobenzene	1063448	7.96	1061167	7.95	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	432711	11.07	427651	11.06	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	366442	13.46	359867	13.47	102	50 - 200	-0.0100	+/-0.50	
GW8052-AB (1205028-19)			Lab File ID: 0502819.D			Analyzed: 05/07/12 10:38			
Fluorobenzene	1064924	7.96	1061167	7.95	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	426784	11.07	427651	11.06	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	366093	13.46	359867	13.47	102	50 - 200	-0.0100	+/-0.50	
GW8053-AB (1205028-20)			Lab File ID: 0502820.D			Analyzed: 05/07/12 11:05			
Fluorobenzene	1052399	7.95	1061167	7.95	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	429489	11.07	427651	11.06	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	364986	13.46	359867	13.47	101	50 - 200	-0.0100	+/-0.50	
GW0507 (1205028-01)			Lab File ID: 0502801.D			Analyzed: 05/07/12 11:31			
Fluorobenzene	1069912	7.96	1061167	7.95	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	432661	11.07	427651	11.06	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	367969	13.46	359867	13.47	102	50 - 200	-0.0100	+/-0.50	
GW0524 (1205028-03)			Lab File ID: 0502803.D			Analyzed: 05/07/12 11:58			
Fluorobenzene	1055785	7.95	1061167	7.95	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	429683	11.06	427651	11.06	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	368426	13.46	359867	13.47	102	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12903	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0537 (1205028-05)			Lab File ID: 0502805.D			Analyzed: 05/07/12 12:25			
Fluorobenzene	1051927	7.96	1061167	7.95	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	432020	11.07	427651	11.06	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	365327	13.46	359867	13.47	102	50 - 200	-0.0100	+/-0.50	
GW0555 (1205028-07)			Lab File ID: 0502807.D			Analyzed: 05/07/12 12:52			
Fluorobenzene	1047845	7.96	1061167	7.95	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	424961	11.07	427651	11.06	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	359599	13.46	359867	13.47	100	50 - 200	-0.0100	+/-0.50	
GW0556 (1205028-09)			Lab File ID: 0502809.D			Analyzed: 05/07/12 13:19			
Fluorobenzene	1037363	7.95	1061167	7.95	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	426858	11.07	427651	11.06	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	357422	13.46	359867	13.47	99	50 - 200	-0.0100	+/-0.50	
GW0580 (1205028-11)			Lab File ID: 0502811D.D			Analyzed: 05/07/12 13:46			
Fluorobenzene	1026537	7.96	1061167	7.95	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	410411	11.07	427651	11.06	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	337252	13.46	359867	13.47	94	50 - 200	-0.0100	+/-0.50	
GW0582 (1205028-15)			Lab File ID: 0502815.D			Analyzed: 05/07/12 14:13			
Fluorobenzene	1036176	7.96	1061167	7.95	98	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	421339	11.07	427651	11.06	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	347791	13.46	359867	13.47	97	50 - 200	-0.0100	+/-0.50	
GW0616 (1205028-17)			Lab File ID: 0502817.D			Analyzed: 05/07/12 14:39			
Fluorobenzene	1027773	7.96	1061167	7.95	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	421106	11.07	427651	11.06	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	359842	13.46	359867	13.47	100	50 - 200	-0.0100	+/-0.50	
Matrix Spike (2E07001-MS1)			Lab File ID: 0502813M.D			Analyzed: 05/07/12 16:00			
Fluorobenzene	1018825	7.96	1061167	7.95	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	419034	11.07	427651	11.06	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	349348	13.46	359867	13.47	97	50 - 200	-0.0100	+/-0.50	
Matrix Spike Dup (2E07001-MSD1)			Lab File ID: 0502813S.D			Analyzed: 05/07/12 16:27			
Fluorobenzene	1020523	7.96	1061167	7.95	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	415741	11.07	427651	11.06	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	355953	13.46	359867	13.47	99	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 16:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	9.078872E-02	2	6.815387E-02	4	7.093765E-02	10	6.450179E-02	20	7.153131E-02	100	7.280782E-02
Acrolein	2.502	1.483028E-02	5.005	1.436489E-02	10.01	1.295651E-02	25.02	1.455592E-02	50.05	1.609719E-02	250.2	2.382903E-02
Acrylonitrile	2.498	0.0766692	4.997	7.473516E-02	9.994	7.528432E-02	24.98	7.800835E-02	49.97	8.066283E-02	249.8	7.982925E-02
Benzene	0.5	0.9030194	1	0.9044335	2	0.882759	5	0.8874085	10	0.8909117	50	0.8655544
Bromobenzene	0.5	0.7640372	1	0.7608959	2	0.7449507	5	0.7488515	10	0.761705	50	0.7498257
Bromochloromethane	0.5	0.1379052	1	0.1337741	2	0.1320612	5	0.1422687	10	0.1405843	50	0.1413624
Tert-Amyl Methyl Ether	0.5	0.5843175	1	0.5711257	2	0.5785333	5	0.5997894	10	0.6106079	50	0.6169711
Bromodichloromethane	0.5	0.2928476	1	0.2783105	2	0.2677302	5	0.290013	10	0.3022661	50	0.3045556
Bromoform	0.5	0.3127908	1	0.3119453	2	0.32746	5	0.3480796	10	0.3766074	50	0.4579943
Bromomethane	0.5	0.3336267	1	0.3245212	2	0.2959544	5	0.2595575	10	0.2446789	50	0.2104027
Bromofluorobenzene	30	0.9292281	35	0.9070761	40	0.9070574	50	0.8884263	60	0.8599335	70	0.8510114
n-Butylbenzene	0.5	1.050444	1	1.038122	2	1.040748	5	1.104252	10	1.15898	50	1.260855
2-Butanone	1	0.1104206	2	9.598957E-02	4	9.796703E-02	10	0.1013283	20	0.1048716	100	0.1021019
sec-Butylbenzene	0.5	1.812629	1	1.835559	2	1.813337	5	1.939423	10	2.030247	50	2.027582
tert-Butylbenzene	0.5	1.570679	1	1.435473	2	1.485862	5	1.549007	10	1.66062	50	1.627231
Carbon disulfide	0.5	0.7318204	1	0.6924405	2	0.6145416	5	0.7041335	10	0.7425598	50	0.7112257
Carbon tetrachloride	0.5	0.1865371	1	0.2081343	2	0.2078247	5	0.2132687	10	0.2316959	50	0.2424087
Chlorobenzene	0.5	1.657989	1	1.606611	2	1.717964	5	1.67955	10	1.675101	50	1.657185
Chloroethane	0.5	0.1557231	1	0.1495805	2	0.1568517	5	0.1494078	10	0.1549122	50	0.1476025
Chloroform	0.5	0.4508209	1	0.3960456	2	0.4115427	5	0.4144645	10	0.4093973	50	0.3936613
2-Chloroethyl vinyl ether	0.9975	0.1281686	1.995	0.1185545	3.99	0.1218673	9.975	0.1264546	19.95	0.1248316	99.75	0.127197
Chloromethane	0.5	0.3160384	1	0.252346	2	0.2530206	5	0.259746	10	0.2672162	50	0.2599557
1-Chlorohexane	0.5	0.8791069	1	0.8099702	2	0.7394192	5	0.7228302	10	0.7383115	50	0.7349981
2-Chlorotoluene	0.5	1.800517	1	1.749816	2	1.71508	5	1.710187	10	1.743385	50	1.667767
4-Chlorotoluene	0.5	1.96196	1	1.870302	2	1.876019	5	1.931576	10	1.959831	50	1.866819
Cyclohexane	0.5	0.2952355	1	0.3085985	2	0.2963952	5	0.2927226	10	0.325875	50	0.3052553
Dibromochloromethane	0.5	~~0.5003336~~	1	0.4979586	2	0.5533473	5	0.6086406	10	0.6351612	50	0.6956206
1,2-Dibromo-3-chloropropane	0.5	0.1179826	1	9.595719E-02	2	9.542201E-02	5	0.1022123	10	0.1131984	50	0.1287096
1,2-Dibromoethane (EDB)	0.5	0.5303616	1	0.5848311	2	0.5763895	5	0.617178	10	0.6475226	50	0.6654557
Dibromomethane	0.5	0.1788221	1	0.1700825	2	0.1631044	5	0.1623901	10	0.1671895	50	0.1673901
1,2-Dichlorobenzene	0.5	1.164295	1	1.096099	2	1.156509	5	1.132409	10	1.168172	50	1.140182

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12_13:17 4/20/12_16:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.162442	1	1.183712	2	1.183935	5	1.187312	10	1.240643	50	1.196491
1,4-Dichlorobenzene	0.5	1.410092	1	1.228453	2	1.186131	5	1.203853	10	1.231716	50	1.19182
Dichlorodifluoromethane	0.5	0.1430026	1	0.1581579	2	0.1491953	5	0.1502796	10	0.1877167	50	0.180117
1,1-Dichloroethane	0.5	0.4437029	1	0.4073193	2	0.4116356	5	0.4354059	10	0.4338498	50	0.4162707
1,2-Dichloroethane	0.5	0.2738816	1	0.2687336	2	0.2750153	5	0.2779213	10	0.2880214	50	0.272597
1,1-Dichloroethene	0.5	0.2000842	1	0.2098777	2	0.1999131	5	0.2120105	10	0.2299946	50	0.2283068
cis-1,2-Dichloroethene	0.5	0.2528032	1	0.2655491	2	0.2727532	5	0.2681244	10	0.2725625	50	0.257043
trans-1,2-Dichloroethene	0.5	0.2502774	1	0.2315883	2	0.2517677	5	0.2483234	10	0.2586908	50	0.2513621
1,2-Dichloroethene (total)	1	0.2515403	2	0.2485687	4	0.2622605	10	0.2582239	20	0.2656266	100	0.2542026
1,2-Dichloropropane	0.5	0.2480272	1	0.2420718	2	0.2392391	5	0.2395915	10	0.2507213	50	0.2484017
1,3-Dichloropropane	0.5	1.024505	1	0.971646	2	0.9081512	5	0.9768354	10	0.9789706	50	0.9448462
2,2-Dichloropropane	0.5	0.2494049	1	0.2466278	2	0.2629159	5	0.2656458	10	0.2708517	50	0.2582895
1,1-Dichloropropene	0.5	0.2822395	1	0.2887707	2	0.2869175	5	0.2853384	10	0.3086245	50	0.2952021
cis-1,3-Dichloropropene	0.5	0.2903678	1	0.3201279	2	0.3375077	5	0.3272919	10	0.3433797	50	0.3455001
trans-1,3-Dichloropropene	0.5	0.7687411	1	0.7960441	2	0.7796014	5	0.8341967	10	0.8740008	50	0.8779349
Diisopropyl Ether	0.5	0.8443764	1	0.8430904	2	0.8728869	5	0.8729889	10	0.8868343	50	0.8270029
Ethylbenzene	0.5	2.524716	1	2.470296	2	2.49073	5	2.572016	10	2.633069	50	2.547112
Ethyl tert-Butyl Ether	0.5	0.6411236	1	0.6538076	2	0.6758275	5	0.6782112	10	0.6871943	50	0.6487829
Ethyl Methacrylate	0.5	0.6694382	1	0.6579102	2	0.6842646	5	0.6613717	10	0.7002187	50	0.7547458
Hexachlorobutadiene	0.5	0.2362502	1	0.2130624	2	0.2225569	5	0.2359691	10	0.2447023	50	0.2654824
2-Hexanone	1	0.3262244	2	0.3598578	4	0.3583219	10	0.3247205	20	0.3644981	100	0.3706282
Iodomethane	0.5	2.897708E-02	1	4.202667E-02	2	6.970798E-02	5	0.1345782	10	0.2308215	50	0.3567396
Isopropylbenzene	0.5	1.941147	1	1.90337	2	2.002374	5	2.050772	10	2.11714	50	2.12099
p-Isopropyltoluene	0.5	1.416931	1	1.323547	2	1.385267	5	1.446244	10	1.551008	50	1.593042
Methylene chloride	0.5	0.331101	1	0.2913741	2	0.2761174	5	0.2785197	10	0.2796171	50	0.2640914
Methyl Acetate	0.5	0.1801998	1	0.17773	2	0.1686611	5	0.1640583	10	0.172196	50	0.1598934
Methylcyclohexane	0.5	0.2311278	1	0.2497891	2	0.2411416	5	0.2434603	10	0.2722559	50	0.2578555
Naphthalene	0.5	0.6419223	1	0.624441	2	0.6818085	5	0.675756	10	0.746757	50	0.9234288
Methyl Methacrylate	0.5	0.1465845	1	0.166619	2	0.1530003	5	0.1654154	10	0.1763304	50	0.1732416
4-Methyl-2-pentanone	1	0.1925988	2	0.1867374	4	0.1892289	10	0.1858196	20	0.1893574	100	0.1887827
Methyl t-Butyl Ether	0.5	0.5111171	1	0.5196384	2	0.5542997	5	0.54835	10	0.5614273	50	0.5485405

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12_13:17 4/20/12_16:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.612289	1	2.62012	2	2.525335	5	2.586867	10	2.69552	50	2.594102
Styrene	0.5	1.536034	1	1.480149	2	1.546831	5	1.637596	10	1.705384	50	1.718203
1,1,2,2-Tetrachloroethane	0.5	0.6356527	1	0.6512716	2	0.6852456	5	0.6893335	10	0.697417	50	0.6915685
1,1,1,2-Tetrachloroethane	0.5	0.4438337	1	0.501208	2	0.4666804	5	0.5318852	10	0.5632006	50	0.5909733
tert-Butyl alcohol	2.5	1.312464E-02	5	1.490459E-02	10	1.353094E-02	25	1.270904E-02	50	1.442578E-02	250	1.508296E-02
Tetrachloroethene	0.5	0.605168	1	0.6048582	2	0.6178722	5	0.6258919	10	0.6505823	50	0.6553217
Toluene	0.5	1.59148	1	1.450307	2	1.470702	5	1.470187	10	1.483731	50	1.43473
1,2,3-Trichlorobenzene	0.5	0.3616424	1	0.3398064	2	0.3545461	5	0.3619068	10	0.3918845	50	0.4552878
1,2,4-Trichlorobenzene	0.5	0.3902831	1	0.4042574	2	0.4027709	5	0.4139021	10	0.4483763	50	0.5258907
1,1,2-Trichloroethane	0.5	0.4473897	1	0.4848946	2	0.4760507	5	0.4979527	10	0.4992538	50	0.5020079
1,1,1-Trichloroethane	0.5	0.2747082	1	0.2752654	2	0.2834374	5	0.2819786	10	0.2975757	50	0.2940407
Tetrahydrofuran	0.5	~~1.437373E-02~~	1	1.989758E-02	2	0.0176097	5	2.131368E-02	10	2.192665E-02	50	2.235038E-02
Trichloroethene	0.5	0.2368222	1	0.2342615	2	0.2515241	5	0.2464008	10	0.250555	50	0.2420655
Trichlorofluoromethane	0.5	0.2909648	1	0.3007417	2	0.3172995	5	0.3014733	10	0.3305464	50	0.3223377
1,2,3-Trichloropropane	0.5	0.168051	1	0.1574979	2	0.15516	5	0.1717528	10	0.1819322	50	0.183183
1,3,5-Trimethylbenzene	0.5	1.475353	1	1.553154	2	1.577812	5	1.600579	10	1.665688	50	1.665735
1,2,4-Trimethylbenzene	0.5	1.289117	1	1.416843	2	1.439692	5	1.488882	10	1.593132	50	1.597256
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1963185	1	0.2071115	2	0.2079639	5	0.2185135	10	0.2329695	50	0.2258754
Vinyl chloride	0.5	~~0.2017833~~	1	0.1692457	2	0.1493229	5	0.1115398	10	0.1532395	50	0.1262061
m,p-Xylene	1	1.834008	2	1.823859	4	1.840895	10	1.919195	20	1.937719	100	1.824128
o-Xylene	0.5	1.908748	1	1.887123	2	1.972463	5	2.032163	10	2.015367	50	1.919102
Vinyl acetate	0.996	0.5030954	1.992	0.4975703	3.984	0.49624	9.96	0.5036541	19.92	0.522346	99.62	0.5047016
Xylenes (total)	1.5	1.858921	3	1.844947	6	1.884751	15	1.956851	30	1.963602	150	1.855786
Dibromofluoromethane	30	0.2948284	35	0.2935332	40	0.2876971	50	0.2861711	60	0.2821116	70	0.2708329
1,2-Dichloroethane-d4	30	6.354751E-02	35	6.624115E-02	40	6.453586E-02	50	6.421481E-02	60	6.234927E-02	70	6.063822E-02
Toluene-d8	30	2.471822	35	2.398324	40	2.382258	50	2.251976	60	2.226851	70	2.203253
tert-Amyl alcohol	2.5	~~6.824079E-03~~	5	1.026027E-02	10	8.888377E-03	25	9.13524E-03	50	9.888854E-03	250	1.103893E-02
tert-Amyl ethyl ether	0.5	0.5598867	1	0.5197314	2	0.5311449	5	0.5511727	10	0.5612016	50	0.5457789

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 16:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	6.935162E-02	300	6.631356E-02	400	6.463481E-02						
Acrolein	500.5	3.325277E-02	750.8	3.685739E-02	1001	3.783255E-02						
Acrylonitrile	499.7	7.620195E-02	749.6	7.312995E-02	999.4	7.213389E-02						
Benzene	100	0.8430205	150	0.8061833	200	0.7817322						
Bromobenzene	100	0.7536747	150	0.7353933	200	0.7240771						
Bromochloromethane	100	0.1417136	150	0.1375936	200	0.139536						
Tert-Amyl Methyl Ether	100	0.5939547	150	0.5678901	200	0.5617785						
Bromodichloromethane	100	0.3012949	150	0.2914847	200	0.2871525						
Bromoform	100	0.5029754	150	0.5030573	200	0.5334771						
Bromomethane	100	0.2056414	150	0.2006184	200	0.1984876						
Bromofluorobenzene	30	0.9970276	30	0.9995692	30	1.011393						
n-Butylbenzene	100	1.221938	150	1.23811	200	1.190122						
2-Butanone	200	0.1004204	300	9.468613E-02	400	9.708977E-02						
sec-Butylbenzene	100	1.926539	150	1.875213	200	1.792697						
tert-Butylbenzene	100	1.593898	150	1.556286	200	1.494893						
Carbon disulfide	100	0.6948732	150	0.6781014	200	0.6660509						
Carbon tetrachloride	100	0.2478249	150	0.25365	200	0.2525043						
Chlorobenzene	100	1.66754	150	1.6057	200	1.601188						
Chloroethane	100	0.1450093	150	0.1432125	200	0.1389189						
Chloroform	100	0.3830409	150	0.3679822	200	0.3578807						
2-Chloroethyl vinyl ether	199.5	0.1228629	299.2	0.1152722	399	0.1131786						
Chloromethane	100	0.252933	150	0.2403682	200	0.2268304						
1-Chlorohexane	100	0.7282306	150	0.7276844	200	0.7195424						
2-Chlorotoluene	100	1.630578	150	1.529176	200	1.48543						
4-Chlorotoluene	100	1.794215	150	1.702932	200	1.646038						
Cyclohexane	100	0.289605	150	0.2860385	200	0.2762734						
Dibromochloromethane	100	0.7408785	150	0.7401693	200	~~0.7754629~~						
1,2-Dibromo-3-chloropropane	100	0.1341108	150	0.1356706	200	0.1414031						
1,2-Dibromoethane (EDB)	100	0.6805509	150	0.6722918	200	0.6912814						
Dibromomethane	100	0.1669323	150	0.1621769	200	0.1603522						
1,2-Dichlorobenzene	100	1.144973	150	1.096745	200	1.080067						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 16:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.17038	150	1.131207	200	1.108052						
1,4-Dichlorobenzene	100	1.175177	150	1.123175	200	1.115564						
Dichlorodifluoromethane	100	0.1726266	150	0.1703693	200	0.166357						
1,1-Dichloroethane	100	0.4059294	150	0.3923481	200	0.384602						
1,2-Dichloroethane	100	0.2628516	150	0.2533474	200	0.2486489						
1,1-Dichloroethene	100	0.2260534	150	0.2253377	200	0.226021						
cis-1,2-Dichloroethene	100	0.2523641	150	0.2460162	200	0.2434029						
trans-1,2-Dichloroethene	100	0.2454902	150	0.239667	200	0.233878						
1,2-Dichloroethene (total)	200	0.2489271	300	0.2428416	400	0.2386404						
1,2-Dichloropropane	100	0.2394527	150	0.230839	200	0.2236113						
1,3-Dichloropropane	100	0.9491691	150	0.90508	200	0.9108714						
2,2-Dichloropropane	100	0.2541495	150	0.2449638	200	0.2401082						
1,1-Dichloropropene	100	0.2853446	150	0.2803526	200	0.2699734						
cis-1,3-Dichloropropene	100	0.3408305	150	0.3268872	200	0.3186084						
trans-1,3-Dichloropropene	100	0.8868942	150	0.8328705	200	0.8278709						
Diisopropyl Ether	100	0.7880188	150	0.7400175	200	0.7187072						
Ethylbenzene	100	2.519574	150	2.406091	200	2.333247						
Ethyl tert-Butyl Ether	100	0.6274398	150	0.5955015	200	0.5744273						
Ethyl Methacrylate	100	0.7700057	150	0.7548949	200	0.7696203						
Hexachlorobutadiene	100	0.2548018	150	0.2852419	200	0.290442						
2-Hexanone	200	0.367788	300	0.350374	400	0.3588932						
Iodomethane	100	0.3902404	150	0.3927077	200	0.3938228						
Isopropylbenzene	100	2.119306	150	2.037256	200	1.973609						
p-Isopropyltoluene	100	1.557219	150	1.550497	200	1.489361						
Methylene chloride	100	0.25802	150	0.2515178	200	0.2519455						
Methyl Acetate	100	0.152262	150	0.1465079	200	0.1443866						
Methylcyclohexane	100	0.2405367	150	0.2438985	200	0.2352783						
Naphthalene	100	0.8937223	150	0.9620636	200	0.9791485						
Methyl Methacrylate	100	0.166738	150	0.1590744	200	0.1572889						
4-Methyl-2-pentanone	200	0.1772673	300	0.1684794	400	0.1652559						
Methyl t-Butyl Ether	100	0.5380449	150	0.5143596	200	0.5063385						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 16:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	2.475109	150	2.325069	200	2.201615						
Styrene	100	1.739583	150	1.645036	200	1.624415						
1,1,2,2-Tetrachloroethane	100	0.6773305	150	0.6564517	200	0.6511168						
1,1,1,2-Tetrachloroethane	100	0.6272094	150	0.6180954	200	0.6395516						
tert-Butyl alcohol	500	1.516823E-02	750	1.517857E-02	1000	1.544279E-02						
Tetrachloroethene	100	0.6858457	150	0.6892338	200	0.6928693						
Toluene	100	1.442781	150	1.375992	200	1.34041						
1,2,3-Trichlorobenzene	100	0.4446391	150	0.4707447	200	0.4777151						
1,2,4-Trichlorobenzene	100	0.5236503	150	0.5482396	200	0.5501192						
1,1,2-Trichloroethane	100	0.5059896	150	0.4867361	200	0.4927958						
1,1,1-Trichloroethane	100	0.2909832	150	0.2862514	200	0.2857003						
Tetrahydrofuran	100	2.239311E-02	150	2.251409E-02	200	2.263665E-02						
Trichloroethene	100	0.2398385	150	0.2336305	200	0.230173						
Trichlorofluoromethane	100	0.3158061	150	0.3162275	200	0.3098975						
1,2,3-Trichloropropane	100	0.1926208	150	0.1863845	200	0.1926416						
1,3,5-Trimethylbenzene	100	1.612259	150	1.572584	200	1.512822						
1,2,4-Trimethylbenzene	100	1.579095	150	1.541621	200	1.467769						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2144919	150	0.2203893	200	0.2168587						
Vinyl chloride	100	0.1374846	150	~~0.1177407~~	200	~~0.1043747~~						
m,p-Xylene	200	1.767292	300	1.633177	400	1.537534						
o-Xylene	100	1.860191	150	1.781756	200	1.749923						
Vinyl acetate	199.2	0.4800265	298.9	0.4530041	398.5	0.4322532						
Xylenes (total)	300	1.798258	450	1.682703	600	1.60833						
Dibromofluoromethane	30	0.2937932	30	0.2984523	30	0.2987806						
1,2-Dichloroethane-d4	30	6.435713E-02	30	6.578319E-02	30	0.0669741						
Toluene-d8	30	2.574243	30	2.648164	30	2.732922						
tert-Amyl alcohol	500	1.140396E-02	750	1.126059E-02	1000	1.151104E-02						
tert-Amyl ethyl ether	100	0.5290747	150	0.4992205	200	0.4855659						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	7.100235E-02	11.2526	3.632222	0.1212155			15	
Acrolein	2.273073E-02	46.09646	3.528889	9.258396E-02		0.9978684	0.99	
Acrylonitrile	7.629499E-02	3.748694	4.472222	9.815324E-02			15	
Benzene	0.8627803	5.072314	7.562222	5.729144E-02			15	
Bromobenzene	0.7492679	1.748865	12.31667	4.383658E-02			15	
Bromochloromethane	0.1385332	2.591357	6.652222	6.434339E-02			15	
Tert-Amyl Methyl Ether	0.5872187	3.29734	7.752222	5.622966E-02			15	
Bromodichloromethane	0.2906283	4.102662	8.552222	0.0481162			15	
Bromoform	0.4082652	22.18919	11.72222	4.474476E-02		0.9996935	SPCC (0.1)	
Bromomethane	0.2526099	21.38448	2.736667	0.1818598		0.9999555	0.99	
Bromofluorobenzene	0.9278581	6.582824	12.15222	4.235657E-02			15	
n-Butylbenzene	1.144841	7.759695	13.75111	2.346634E-02			15	
2-Butanone	0.1005417	4.884794	6.097778	7.205327E-02			15	
sec-Butylbenzene	1.894803	4.81831	13.21222	3.498105E-02			15	
tert-Butylbenzene	1.552661	4.599482	12.97222	3.061147E-02			15	
Carbon disulfide	0.6928608	5.47855	4.653333	0.1086134			15	
Carbon tetrachloride	0.2270943	10.56276	7.528889	8.138608E-02			15	
Chlorobenzene	1.652092	2.414895	10.99889	5.547866E-02			SPCC (0.3)	
Chloroethane	0.1490243	4.076922	2.862222	0.2335464			15	
Chloroform	0.3983151	6.949902	6.622222	6.593481E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.122043	4.380239	8.912222	5.123633E-02			15	
Chloromethane	0.2587172	9.488033	2.158889	0.1539148			SPCC (0.1)	
1-Chlorohexane	0.7555659	7.111573	10.96222	3.641678E-02			15	
2-Chlorotoluene	1.670215	6.275691	12.54222	3.705308E-02			15	
4-Chlorotoluene	1.845521	6.021191	12.60222	3.364714E-02			15	
Cyclohexane	0.2973332	4.847097	7.46	0.1159756			15	
Dibromochloromethane	0.6388252	14.57082	10.22143	3.337223E-02			15	
1,2-Dibromo-3-chloropropane	0.1182963	14.94766	14.34889	2.795749E-02			15	
1,2-Dibromoethane (EDB)	0.6295403	8.820635	10.44222	4.320136E-02			15	
Dibromomethane	0.1664933	3.364485	8.49	5.609142E-02			15	
1,2-Dichlorobenzene	1.13105	2.866323	13.70444	3.307534E-02			15	
1,3-Dichlorobenzene	1.173797	3.250203	13.29556	3.730395E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2114002		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	4/20/12 13:17	4/20/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.207331	7.136631	13.38556	4.010224E-02			15	
Dichlorodifluoromethane	0.1642024	9.197952	1.952222	0.2262335			15	
1,1-Dichloroethane	0.4145626	4.813189	5.652222	7.743252E-02			SPCC (0.1)	
1,2-Dichloroethane	0.269002	4.574513	7.386667	6.813837E-02			15	
1,1-Dichloroethene	0.217511	5.585824	4.115556	0.129009			CCC (20)	
cis-1,2-Dichloroethene	0.2589576	4.311699	6.368889	0.1216066			15	
trans-1,2-Dichloroethene	0.2456717	3.643009	5.278889	6.447597E-02			15	
1,2-Dichloroethene (total)	0.2523146	3.481859	6.368889	0.1216066			15	
1,2-Dichloropropane	0.2402173	3.627332	8.372222	5.539459E-02			CCC (20)	
1,3-Dichloropropane	0.9522306	4.210757	9.971111	5.711554E-02			15	
2,2-Dichloropropane	0.254773	4.074885	6.477778	0.1016382			15	
1,1-Dichloropropene	0.2869737	3.696606	7.407778	8.925966E-02			15	
cis-1,3-Dichloropropene	0.3278335	5.245376	9.131111	6.628416E-02			15	
trans-1,3-Dichloropropene	0.8309061	5.200806	9.602222	4.297234E-02			15	
Diisopropyl Ether	0.821547	7.316821	6.031111	9.709548E-02			15	
Ethylbenzene	2.49965	3.569808	11.15	4.697602E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6424795	5.932576	6.493333	7.824685E-02			15	
Ethyl Methacrylate	0.7136078	6.745527	9.793333	0.0512761			15	
Hexachlorobutadiene	0.2498343	10.65748	15.71111	2.666821E-02			15	
2-Hexanone	0.3534785	4.789782	9.91	5.290106E-02			15	
Iodomethane	0.2266247	70.72062	4.308889	0.1392498		0.9996404	0.99	
Isopropylbenzene	2.029552	3.980215	12.04667	3.623176E-02			15	
p-Isopropyltoluene	1.479235	6.205299	13.34667	3.127938E-02			15	
Methylene chloride	0.2758116	9.004775	4.602222	9.776998E-02			15	
Methyl Acetate	0.1628772	8.045595	4.456667	0.1106615			15	
Methylcyclohexane	0.2461493	5.067088	8.706667	5.386936E-02			15	
Naphthalene	0.7921164	18.39593	15.57222	3.285113E-02		0.999664	0.99	
Methyl Methacrylate	0.1626992	5.879981	8.512223	0.053224			15	
4-Methyl-2-pentanone	0.1826142	5.420771	9.052222	5.017429E-02			15	
Methyl t-Butyl Ether	0.5335684	3.907296	5.268889	0.0628204			15	
n-Propylbenzene	2.515114	6.294507	12.45889	0.0494964			15	
Styrene	1.625915	5.494104	11.62111	2.963903E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2114002		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	4/20/12 13:17	4/20/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6705987	3.311109	11.96778	5.109795E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5536264	12.97419	11.04111	2.999475E-02			15	
tert-Butyl alcohol	1.439639E-02	7.05239	4.241111	0.1419589			15	
Tetrachloroethene	0.6475159	5.540423	10.34111	0.0324422			15	
Toluene	1.451147	4.857551	9.603333	5.040756E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.4064637	13.58586	15.86556	3.765764E-02			15	
1,2,4-Trichlorobenzene	0.4674988	14.60544	15.42222	2.658845E-02			15	
1,1,2-Trichloroethane	0.488119	3.673117	9.76	5.332687E-02			15	
1,1,1-Trichloroethane	0.285549	2.733145	7.192222	6.275141E-02			15	
Tetrahydrofuran	2.133023E-02	8.221893	6.83	7.834788E-02			15	
Trichloroethene	0.2405857	3.174236	8.326667	8.663653E-02			15	
Trichlorofluoromethane	0.3116994	3.920958	3.351111	9.742587E-02			15	
1,2,3-Trichloropropane	0.1765804	8.015513	12.09333	4.110023E-02			15	
1,3,5-Trimethylbenzene	1.581776	4.021612	12.63444	4.307329E-02			15	
1,2,4-Trimethylbenzene	1.490379	6.771227	13.00333	0.0370912			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2156102	5.037266	4.195556	0.1729229			15	
Vinyl chloride	0.1411731	14.5715	2.3	2.027401E-02			CCC (20)	
m,p-Xylene	1.790867	7.231933	11.26222	3.892163E-02			15	
o-Xylene	1.902982	5.075955	11.65222	3.558812E-02			15	
Vinyl acetate	0.488099	5.83399	5.722222	7.990821E-02			15	
Xylenes (total)	1.828239	6.427733	11.65222	3.558812E-02			15	
Dibromofluoromethane	0.2895778	3.104837	6.795556	7.660927E-02			15	
1,2-Dichloroethane-d4	6.429347E-02	3.060003	7.301111	4.187357E-02			15	
Toluene-d8	2.432201	7.821685	9.53	4.975795E-02			15	
tert-Amyl alcohol	1.042341E-02	9.965027	6.99125	9.125005E-02			15	
tert-Amyl ethyl ether	0.5314197	4.967641	8.651111	0.0702344			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.548666E-02	13.62246	3.79875	9.274653E-02			15	
Acrolein	3.525752E-02	14.25592	3.67625	0.1406711			15	
Acrylonitrile	8.527776E-02	5.393199	4.643333	0.1072277			15	
Benzene	0.9315107	2.122697	7.685555	9.539806E-02			15	
Bromobenzene	0.7087812	2.200287	12.42	2.226331E-02			15	
Bromochloromethane	0.1195172	3.640977	6.781111	8.876222E-02			15	
Tert-Amyl Methyl Ether	0.6634772	2.496612	7.881111	4.329758E-02			15	
Bromodichloromethane	0.2918713	8.490543	8.666667	5.634014E-02			15	
Bromoform	0.2807903	27.07999	11.82333	0.0385467		0.9999206	SPCC (0.1)	
Bromomethane	0.1508425	6.0413	2.827778	0.1564675			15	
Bromofluorobenzene	0.8581783	5.320451	12.25222	3.512838E-02			15	
n-Butylbenzene	1.996493	3.36345	13.84778	3.214818E-02			15	
2-Butanone	0.1504013	9.901311	6.253333	8.003784E-02			15	
sec-Butylbenzene	2.683693	3.138093	13.30222	2.896654E-02			15	
tert-Butylbenzene	1.962219	3.583794	13.07222	3.164283E-02			15	
Carbon disulfide	0.549092	7.8436	4.795556	0.1085594			15	
Carbon tetrachloride	0.2201406	14.06956	7.652222	5.963417E-02			15	
Chlorobenzene	1.46879	2.490997	11.1	1.265792E-02			SPCC (0.3)	
Chloroethane	0.1477522	6.651077	2.965556	0.177739			15	
Chloroform	0.4138944	2.873397	6.754445	7.677392E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1620108	4.014319	9.023334	5.188695E-02			15	
Chloromethane	0.2843574	12.91666	2.231111	0.1482605			SPCC (0.1)	
1-Chlorohexane	0.751668	11.54226	11.06222	3.856191E-02			15	
2-Chlorotoluene	2.089316	2.074047	12.63333	4.148019E-02			15	
4-Chlorotoluene	2.383943	2.617429	12.69444	3.969977E-02			15	
Cyclohexane	0.3976941	3.654048	7.583333	6.438874E-02			15	
Dibromochloromethane	0.4682909	19.58175	10.33111	3.516709E-02		0.9999077	0.99	
1,2-Dibromo-3-chloropropane	0.1119305	17.66175	14.45	1.563473E-02		0.9998905	0.99	
1,2-Dibromoethane (EDB)	0.5515188	4.059789	10.55	1.218384E-02			15	
Dibromomethane	0.159759	2.732959	8.607778	5.269306E-02			15	
1,2-Dichlorobenzene	1.203659	2.780049	13.81	8.95784E-03			15	
1,3-Dichlorobenzene	1.256964	2.176385	13.39333	3.806423E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.26803	2.71936	13.48444	3.695711E-02			15	
Dichlorodifluoromethane	0.1924809	12.76598	2.02	0.0136054			15	
1,1-Dichloroethane	0.4594785	2.373803	5.8	1.821231E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3510167	2.112895	7.514445	7.102877E-02			15	
1,1-Dichloroethene	0.1816551	1.754323	4.266667	0.1186659			CCC (20)	
cis-1,2-Dichloroethene	0.2461851	1.74528	6.51	7.808219E-02			15	
trans-1,2-Dichloroethene	0.2335685	2.303894	5.422222	0.1220387			15	
1,2-Dichloroethene (total)	0.2398768	1.736859	6.51	7.808219E-02			15	
1,2-Dichloropropane	0.259293	2.312194	8.492222	4.863254E-02			CCC (20)	
1,3-Dichloropropane	0.8986729	1.994678	10.07333	4.862251E-02			15	
2,2-Dichloropropane	0.2935838	2.733695	6.614444	7.823592E-02			15	
1,1-Dichloropropene	0.319009	2.335894	7.533333	6.861941E-02			15	
cis-1,3-Dichloropropene	0.3521134	5.766677	9.241111	3.306317E-02			15	
trans-1,3-Dichloropropene	0.8239793	7.699482	9.71	1.779117E-02			15	
Diisopropyl Ether	1.014381	1.907698	6.173333	0.0812548			15	
Ethylbenzene	2.511121	2.398092	11.24778	3.875475E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.7722566	1.449832	6.641111	5.284476E-02			15	
Ethyl Methacrylate	0.7620413	5.994742	9.901111	0.0370684			15	
Hexachlorobutadiene	0.2973976	6.462892	15.81111	2.267311E-02			15	
2-Hexanone	0.4846361	3.044602	10.01222	6.526454E-02			15	
Iodomethane	0.2588278	17.84729	4.46125	7.694245E-02		0.9994425	0.99	
Isopropylbenzene	2.072041	2.992551	12.14222	3.773169E-02			15	
p-Isopropyltoluene	2.123426	3.336119	13.44222	3.452873E-02			15	
Methylene chloride	0.2190071	8.77048	4.755556	0.1109935			15	
Methyl Acetate	0.1792449	5.975949	4.631111	7.186884E-02			15	
Methylcyclohexane	0.3060391	3.107595	8.814445	5.861741E-02			15	
Naphthalene	1.40191	9.049186	15.68111	0.0229818			15	
Methyl Methacrylate	0.2622156	2.752967	8.627778	4.639833E-02			15	
4-Methyl-2-pentanone	0.2742899	2.362881	9.17	2.223127E-02			15	
Methyl t-Butyl Ether	0.6034362	2.078315	5.425555	0.0958311			15	
n-Propylbenzene	3.366424	2.705707	12.55111	4.793217E-02			15	
Styrene	1.582432	4.214249	11.72	2.468036E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2121003	Instrument:	MS-VOA6		
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.8277083	3.040542	12.06444	0.0394937			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4212623	13.45017	11.14111	3.262536E-02			15	
tert-Butyl alcohol	0.0177652	3.114812	4.438889	0.1349856			15	
Tetrachloroethene	0.5209978	4.094883	10.44222	4.320136E-02			15	
Toluene	1.306882	2.880498	9.711111	3.882733E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.6431937	6.053357	15.96444	3.389544E-02			15	
1,2,4-Trichlorobenzene	0.7381814	5.252041	15.53	7.599921E-03			15	
1,1,2-Trichloroethane	0.4426374	1.531824	9.867778	4.848003E-02			15	
1,1,1-Trichloroethane	0.2930192	6.725129	7.317778	5.889306E-02			15	
Tetrahydrofuran	2.682705E-02	4.716978	6.973333	7.377964E-02			15	
Trichloroethene	0.2340808	2.116677	8.442222	4.746849E-02			15	
Trichlorofluoromethane	0.3110129	6.814927	3.471111	0.1732996			15	
1,2,3-Trichloropropane	0.1727305	3.725216	12.19333	3.802018E-02			15	
1,3,5-Trimethylbenzene	2.198041	3.035595	12.73222	3.176895E-02			15	
1,2,4-Trimethylbenzene	2.208168	3.306208	13.10222	3.678199E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1847629	3.554268	4.348889	7.522899E-02			15	
Vinyl chloride	0.1848242	6.933849	2.381111	0.1402005			CCC (20)	
m,p-Xylene	1.895141	3.964217	11.35333	4.439117E-02			15	
o-Xylene	1.959051	2.382637	11.75	0			15	
Vinyl acetate	0.6467053	7.665063	5.88	1.287752E-02			15	
Xylenes (total)	1.916445	2.97403	11.75	0			15	
Dibromofluoromethane	0.2631144	3.397573	6.932222	0.0649494			15	
1,2-Dichloroethane-d4	6.156409E-02	3.607168	7.423333	6.721134E-02			15	
Toluene-d8	2.250463	5.782973	9.635556	5.182899E-02			15	
tert-Amyl alcohol	1.396476E-02	7.58956	7.14	7.130057E-02			15	
tert-Amyl ethyl ether	0.6279509	2.173103	8.757778	7.543113E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV1	Injection Time:	17:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	97.88	7.100235E-02	0.0694967		-2.1	20
Benzene	A	50.00	51.32	0.8627803	0.8856165		2.6	20
Bromobenzene	A	50.00	52.50	0.7492679	0.7866699		5.0	20
Bromochloromethane	A	50.00	52.09	0.1385332	0.1443248		4.2	20
Bromodichloromethane	A	50.00	50.24	0.2906283	0.292001		0.5	20
Bromoform	Q	50.00	51.36	0.4082652	0.4798725	0.1	2.7	20
Bromomethane	Q	50.00	53.91	0.2526099	0.2259154		7.8	20
n-Butylbenzene	A	50.00	56.45	1.144841	1.29257		12.9	20
2-Butanone	A	100.0	98.82	0.1005417	9.935999E-02		-1.2	20
sec-Butylbenzene	A	50.00	54.98	1.894803	2.083555		10.0	20
tert-Butylbenzene	A	50.00	54.41	1.552661	1.689609		8.8	20
Carbon disulfide	A	50.00	45.87	0.6928608	0.6356967		-8.3	20
Carbon tetrachloride	A	50.00	56.46	0.2270943	0.2564494		12.9	20
Chlorobenzene	A	50.00	52.56	1.652092	1.73677	0.3	5.1	20
Chloroethane	A	50.00	51.65	0.1490243	0.1539366		3.3	20
Chloroform	A	50.00	49.71	0.3983151	0.3959957		-0.6	20
Chloromethane	A	50.00	52.08	0.2587172	0.269503	0.1	4.2	20
2-Chlorotoluene	A	50.00	50.50	1.670215	1.686777		1.0	20
4-Chlorotoluene	A	50.00	50.47	1.845521	1.862902		0.9	20
Dibromochloromethane	A	50.00	57.71	0.6388252	0.7373486		15.4	20
1,2-Dibromo-3-chloropropane	A	50.00	57.67	0.1182963	0.1364421		15.3	20
1,2-Dibromoethane (EDB)	A	50.00	55.17	0.6295403	0.6945915		10.3	20
Dibromomethane	A	50.00	49.78	0.1664933	0.1657618		-0.4	20
1,2-Dichlorobenzene	A	50.00	52.03	1.13105	1.176952		4.1	20
1,3-Dichlorobenzene	A	50.00	52.24	1.173797	1.226458		4.5	20
1,4-Dichlorobenzene	A	50.00	50.73	1.207331	1.225029		1.5	20
Dichlorodifluoromethane	A	50.00	56.18	0.1642024	0.1845022		12.4	20
1,1-Dichloroethane	A	50.00	50.56	0.4145626	0.4192116	0.1	1.1	20
1,2-Dichloroethane	A	50.00	49.60	0.269002	0.2668733		-0.8	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV1	Injection Time:	17:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	50.00	51.56	0.217511	0.2242841		3.1	20
cis-1,2-Dichloroethene	A	50.00	50.86	0.2589576	0.2634287		1.7	20
trans-1,2-Dichloroethene	A	50.00	53.04	0.2456717	0.260602		6.1	20
1,2-Dichloropropane	A	50.00	51.02	0.2402173	0.2451069		2.0	20
1,3-Dichloropropane	A	50.00	51.63	0.9522306	0.9832103		3.3	20
2,2-Dichloropropane	A	50.00	50.41	0.254773	0.2568619		0.8	20
1,1-Dichloropropene	A	50.00	52.34	0.2869737	0.3004212		4.7	20
cis-1,3-Dichloropropene	A	50.00	54.73	0.3278335	0.358827		9.5	20
trans-1,3-Dichloropropene	A	50.00	50.23	0.8309061	0.8347734		0.5	20
Ethylbenzene	A	50.00	53.71	2.49965	2.685193		7.4	20
Hexachlorobutadiene	A	50.00	57.31	0.2498343	0.2863623		14.6	20
2-Hexanone	A	100.0	102.9	0.3534785	0.3638419		2.9	20
Isopropylbenzene	A	50.00	51.54	2.029552	2.092037		3.1	20
p-Isopropyltoluene	A	50.00	53.01	1.479235	1.568412		6.0	20
Methylene chloride	A	50.00	48.64	0.2758116	0.2683034		-2.7	20
Naphthalene	Q	50.00	52.63	0.7921164	0.9333191		5.3	20
4-Methyl-2-pentanone	A	100.0	98.96	0.1826142	0.1807097		-1.0	20
Methyl t-Butyl Ether	A	50.00	52.24	0.5335684	0.5574918		4.5	20
n-Propylbenzene	A	50.00	51.91	2.515114	2.611188		3.8	20
Styrene	A	50.00	55.38	1.625915	1.800893		10.8	20
1,1,2,2-Tetrachloroethane	A	50.00	52.00	0.6705987	0.697379	0.3	4.0	20
1,1,1,2-Tetrachloroethane	A	50.00	57.39	0.5536264	0.6354122		14.8	20
Tetrachloroethene	A	50.00	55.16	0.6475159	0.7143078		10.3	20
Toluene	A	50.00	52.63	1.451147	1.527451		5.3	20
1,2,3-Trichlorobenzene	A	50.00	57.63	0.4064637	0.4685067		15.3	20
1,2,4-Trichlorobenzene	A	50.00	58.09	0.4674988	0.5431192		16.2	20
1,1,2-Trichloroethane	A	50.00	52.96	0.488119	0.5170186		5.9	20
1,1,1-Trichloroethane	A	50.00	53.95	0.285549	0.3081122		7.9	20
Trichloroethene	A	50.00	52.33	0.2405857	0.2518137		4.7	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV1	Injection Time:	17:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	50.00	53.40	0.3116994	0.3328896		6.8	20
1,2,3-Trichloropropane	A	50.00	55.05	0.1765804	0.1944197		10.1	20
1,3,5-Trimethylbenzene	A	50.00	55.85	1.581776	1.766932		11.7	20
1,2,4-Trimethylbenzene	A	50.00	55.33	1.490379	1.64934		10.7	20
Xylenes (total)	A	150.0	158.7	1.828239	1.934032		5.8	20
Bromofluorobenzene	A	30.00	31.35	0.9278581	0.969503		4.5	20
Dibromofluoromethane	A	30.00	31.00	0.2895778	0.2992189		3.3	20
1,2-Dichloroethane-d4	A	30.00	30.23	6.429347E-02	6.477912E-02		0.8	20
Toluene-d8	A	30.00	31.39	2.432201	2.544734		4.6	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV2.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV2	Injection Time:	17:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	A	100.0	92.63	0.1411731	0.1307667		-7.4	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	169.4	8.548666E-02	7.240282E-02		-15.3	20
Benzene	A	100.0	99.10	0.9315107	0.9230922		-0.9	20
Bromobenzene	A	100.0	101.4	0.7087812	0.719042		1.4	20
Bromochloromethane	A	100.0	99.63	0.1195172	0.11908		-0.4	20
Bromodichloromethane	A	100.0	100.4	0.2918713	0.2931071		0.4	20
Bromoform	Q	100.0	98.14	0.2807903	0.3418473	0.1	-1.9	20
Bromomethane	A	100.0	110.9	0.1508425	0.1673223		10.9	20
n-Butylbenzene	A	100.0	99.93	1.996493	1.995098		-0.07	20
2-Butanone	A	200.0	179.3	0.1504013	0.1348674		-10.3	20
sec-Butylbenzene	A	100.0	100.9	2.683693	2.707207		0.9	20
tert-Butylbenzene	A	100.0	102.1	1.962219	2.003112		2.1	20
Carbon disulfide	A	100.0	85.87	0.549092	0.4714957		-14.1	20
Carbon tetrachloride	A	100.0	109.1	0.2201406	0.2402076		9.1	20
Chlorobenzene	A	100.0	97.51	1.46879	1.432212	0.3	-2.5	20
Chloroethane	A	100.0	107.4	0.1477522	0.1586388		7.4	20
Chloroform	A	100.0	94.73	0.4138944	0.3920877		-5.3	20
Chloromethane	A	100.0	89.50	0.2843574	0.254513	0.1	-10.5	20
2-Chlorotoluene	A	100.0	98.14	2.089316	2.050395		-1.9	20
4-Chlorotoluene	A	100.0	97.30	2.383943	2.319647		-2.7	20
Dibromochloromethane	Q	100.0	98.22	0.4682909	0.5398128		-1.8	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.22	0.1119305	0.1328909		-3.8	20
1,2-Dibromoethane (EDB)	A	100.0	102.4	0.5515188	0.56473		2.4	20
Dibromomethane	A	100.0	97.65	0.159759	0.156001		-2.4	20
1,2-Dichlorobenzene	A	100.0	99.01	1.203659	1.191714		-1.0	20
1,3-Dichlorobenzene	A	100.0	97.90	1.256964	1.23052		-2.1	20
1,4-Dichlorobenzene	A	100.0	98.32	1.26803	1.246685		-1.7	20
Dichlorodifluoromethane	A	100.0	107.4	0.1924809	0.2066581		7.4	20
1,1-Dichloroethane	A	100.0	97.76	0.4594785	0.4491996	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	96.37	0.3510167	0.338278		-3.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.12	0.1816551	0.1745999		-3.9	20
cis-1,2-Dichloroethene	A	100.0	98.62	0.2461851	0.2427885		-1.4	20
trans-1,2-Dichloroethene	A	100.0	99.18	0.2335685	0.2316633		-0.8	20
1,2-Dichloropropane	A	100.0	99.78	0.259293	0.2587233		-0.2	20
1,3-Dichloropropane	A	100.0	100.8	0.8986729	0.9061445		0.8	20
2,2-Dichloropropane	A	100.0	95.61	0.2935838	0.2806837		-4.4	20
1,1-Dichloropropene	A	100.0	97.55	0.319009	0.311192		-2.5	20
cis-1,3-Dichloropropene	A	100.0	107.0	0.3521134	0.3767175		7.0	20
trans-1,3-Dichloropropene	A	100.0	96.29	0.8239793	0.7933875		-3.7	20
Ethylbenzene	A	100.0	100.4	2.511121	2.520183		0.4	20
Hexachlorobutadiene	A	100.0	99.17	0.2973976	0.2949307		-0.8	20
2-Hexanone	A	200.0	194.0	0.4846361	0.4700208		-3.0	20
Isopropylbenzene	A	100.0	93.88	2.072041	1.94514		-6.1	20
p-Isopropyltoluene	A	100.0	95.71	2.123426	2.032234		-4.3	20
Methylene chloride	A	100.0	88.72	0.2190071	0.1943103		-11.3	20
Naphthalene	A	100.0	97.13	1.40191	1.361695		-2.9	20
4-Methyl-2-pentanone	A	200.0	193.1	0.2742899	0.2648278		-3.4	20
Methyl t-Butyl Ether	A	100.0	99.11	0.6034362	0.5980958		-0.9	20
n-Propylbenzene	A	100.0	99.53	3.366424	3.350497		-0.5	20
Styrene	A	100.0	101.6	1.582432	1.60805		1.6	20
1,1,2,2-Tetrachloroethane	A	100.0	99.98	0.8277083	0.8275818	0.3	-0.02	20
1,1,1,2-Tetrachloroethane	A	100.0	112.6	0.4212623	0.4744246		12.6	20
Tetrachloroethene	A	100.0	98.83	0.5209978	0.5148846		-1.2	20
Toluene	A	100.0	99.26	1.306882	1.297251		-0.7	20
1,2,3-Trichlorobenzene	A	100.0	100.5	0.6431937	0.6466824		0.5	20
1,2,4-Trichlorobenzene	A	100.0	99.90	0.7381814	0.7374543		-0.1	20
1,1,2-Trichloroethane	A	100.0	101.2	0.4426374	0.4479132		1.2	20
1,1,1-Trichloroethane	A	100.0	103.7	0.2930192	0.3038476		3.7	20
Trichloroethene	A	100.0	97.09	0.2340808	0.2272732		-2.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.47	0.3110129	0.3000265		-3.5	20
1,2,3-Trichloropropane	A	100.0	98.20	0.1727305	0.1696184		-1.8	20
1,3,5-Trimethylbenzene	A	100.0	104.0	2.198041	2.284755		3.9	20
1,2,4-Trimethylbenzene	A	100.0	102.2	2.208168	2.255949		2.2	20
Vinyl chloride	A	100.0	101.4	0.1848242	0.1873255		1.4	20
Xylenes (total)	A	300.0	295.8	1.916445	1.889213		-1.4	20
Bromofluorobenzene	A	30.00	31.58	0.8581783	0.9032791		5.3	20
Dibromofluoromethane	A	30.00	30.78	0.2631144	0.269967		2.6	20
1,2-Dichloroethane-d4	A	30.00	31.00	6.156409E-02	6.362317E-02		3.3	20
Toluene-d8	A	30.00	31.76	2.250463	2.382583		5.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0503CCV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2E12512	Injection Date:	05/03/12
Lab Sample ID:	2E12512-CCV1	Injection Time:	07:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	202.1	7.100235E-02	7.173324E-02		1.0	20
Benzene	A	100.0	95.69	0.8627803	0.8255982		-4.3	20
Bromobenzene	A	100.0	98.72	0.7492679	0.7396644		-1.3	20
Bromochloromethane	A	100.0	98.64	0.1385332	0.1366454		-1.4	20
Bromodichloromethane	A	100.0	102.6	0.2906283	0.2980898		2.6	20
Bromoform	Q	100.0	94.54	0.4082652	0.4608902	0.1	-5.5	20
Bromomethane	Q	100.0	92.96	0.2526099	0.1912241		-7.0	20
n-Butylbenzene	A	100.0	94.18	1.144841	1.078168		-5.8	20
2-Butanone	A	200.0	236.5	0.1005417	0.1188874		18.2	20
sec-Butylbenzene	A	100.0	91.82	1.894803	1.739774		-8.2	20
tert-Butylbenzene	A	100.0	91.97	1.552661	1.428035		-8.0	20
Carbon disulfide	A	100.0	99.65	0.6928608	0.6904297		-0.4	20
Carbon tetrachloride	A	100.0	110.1	0.2270943	0.2500625		10.1	20
Chlorobenzene	A	100.0	93.73	1.652092	1.548553	0.3	-6.3	20
Chloroethane	A	100.0	98.23	0.1490243	0.146381		-1.8	20
Chloroform	A	100.0	95.69	0.3983151	0.3811474		-4.3	20
Chloromethane	A	100.0	108.5	0.2587172	0.2807057	0.1	8.5	20
2-Chlorotoluene	A	100.0	94.87	1.670215	1.584551		-5.1	20
4-Chlorotoluene	A	100.0	92.24	1.845521	1.702377		-7.8	20
Dibromochloromethane	A	100.0	108.6	0.6388252	0.6935962		8.6	20
1,2-Dibromo-3-chloropropane	A	100.0	113.0	0.1182963	0.1337169		13.0	20
1,2-Dibromoethane (EDB)	A	100.0	101.8	0.6295403	0.6409714		1.8	20
Dibromomethane	A	100.0	98.74	0.1664933	0.1644026		-1.3	20
1,2-Dichlorobenzene	A	100.0	95.08	1.13105	1.075434		-4.9	20
1,3-Dichlorobenzene	A	100.0	95.95	1.173797	1.126203		-4.1	20
1,4-Dichlorobenzene	A	100.0	91.05	1.207331	1.099335		-8.9	20
Dichlorodifluoromethane	A	100.0	156.4	0.1642024	0.2568249		56.4	20 *
1,1-Dichloroethane	A	100.0	97.81	0.4145626	0.4054815	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	99.29	0.269002	0.2671001		-0.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0503CCV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2E12512	Injection Date:	05/03/12
Lab Sample ID:	2E12512-CCV1	Injection Time:	07:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	103.9	0.217511	0.2259637		3.9	20
cis-1,2-Dichloroethene	A	100.0	94.20	0.2589576	0.2439493		-5.8	20
trans-1,2-Dichloroethene	A	100.0	97.98	0.2456717	0.2407164		-2.0	20
1,2-Dichloropropane	A	100.0	98.33	0.2402173	0.2362116		-1.7	20
1,3-Dichloropropane	A	100.0	94.22	0.9522306	0.8971703		-5.8	20
2,2-Dichloropropane	A	100.0	107.3	0.254773	0.2733853		7.3	20
1,1-Dichloropropene	A	100.0	100.5	0.2869737	0.2883706		0.5	20
cis-1,3-Dichloropropene	A	100.0	105.0	0.3278335	0.3442882		5.0	20
trans-1,3-Dichloropropene	A	100.0	102.6	0.8309061	0.8525551		2.6	20
Ethylbenzene	A	100.0	93.29	2.49965	2.33188		-6.7	20
Hexachlorobutadiene	A	100.0	77.69	0.2498343	0.1940856		-22.3	20 *
2-Hexanone	A	200.0	225.0	0.3534785	0.3975764		12.5	20
Isopropylbenzene	A	100.0	93.41	2.029552	1.895793		-6.6	20
p-Isopropyltoluene	A	100.0	94.14	1.479235	1.392491		-5.9	20
Methylene chloride	A	100.0	94.03	0.2758116	0.2593483		-6.0	20
Naphthalene	Q	100.0	87.23	0.7921164	0.7945959		-12.8	20
4-Methyl-2-pentanone	A	200.0	224.7	0.1826142	0.2051986		12.4	20
Methyl t-Butyl Ether	A	100.0	99.40	0.5335684	0.5303432		-0.6	20
n-Propylbenzene	A	100.0	92.53	2.515114	2.32736		-7.5	20
Styrene	A	100.0	94.14	1.625915	1.530632		-5.9	20
1,1,2,2-Tetrachloroethane	A	100.0	109.5	0.6705987	0.7340814	0.3	9.5	20
1,1,1,2-Tetrachloroethane	A	100.0	103.8	0.5536264	0.5747947		3.8	20
Tetrachloroethene	A	100.0	97.04	0.6475159	0.6283277		-3.0	20
Toluene	A	100.0	90.77	1.451147	1.317219		-9.2	20
1,2,3-Trichlorobenzene	A	100.0	88.52	0.4064637	0.3598057		-11.5	20
1,2,4-Trichlorobenzene	A	100.0	91.48	0.4674988	0.4276535		-8.5	20
1,1,2-Trichloroethane	A	100.0	98.65	0.488119	0.4815387		-1.3	20
1,1,1-Trichloroethane	A	100.0	102.6	0.285549	0.2928719		2.6	20
Trichloroethene	A	100.0	95.23	0.2405857	0.2291016		-4.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0503CCV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2E12512	Injection Date:	05/03/12
Lab Sample ID:	2E12512-CCV1	Injection Time:	07:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	109.4	0.3116994	0.3410834		9.4	20
1,2,3-Trichloropropane	A	100.0	103.4	0.1765804	0.1826027		3.4	20
1,3,5-Trimethylbenzene	A	100.0	93.80	1.581776	1.483724		-6.2	20
1,2,4-Trimethylbenzene	A	100.0	94.36	1.490379	1.406305		-5.6	20
Vinyl chloride	A	100.0	96.93	0.1411731	0.1368424		-3.1	20
Xylenes (total)	A	300.0	270.6	1.828239	1.648562		-9.8	20
Bromofluorobenzene	A	30.00	30.31	0.9278581	0.9375277		1.0	20
Dibromofluoromethane	A	30.00	31.74	0.2895778	0.3064048		5.8	20
1,2-Dichloroethane-d4	A	30.00	30.28	6.429347E-02	6.489027E-02		0.9	20
Toluene-d8	A	30.00	30.48	2.432201	2.471099		1.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0504CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12804	Injection Date:	05/04/12
Lab Sample ID:	2E12804-CCV1	Injection Time:	06:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	172.8	8.548666E-02	7.388395E-02		-13.6	20
Benzene	A	100.0	97.19	0.9315107	0.9053468		-2.8	20
Bromobenzene	A	100.0	97.26	0.7087812	0.6893945		-2.7	20
Bromochloromethane	A	100.0	103.2	0.1195172	0.1233744		3.2	20
Bromodichloromethane	A	100.0	107.8	0.2918713	0.3144808		7.7	20
Bromoform	Q	100.0	102.1	0.2807903	0.3574426	0.1	2.1	20
Bromomethane	A	100.0	78.63	0.1508425	0.1186063		-21.4	20 *
n-Butylbenzene	A	100.0	98.63	1.996493	1.969202		-1.4	20
2-Butanone	A	200.0	192.6	0.1504013	0.1448057		-3.7	20
sec-Butylbenzene	A	100.0	97.87	2.683693	2.626569		-2.1	20
tert-Butylbenzene	A	100.0	98.78	1.962219	1.938197		-1.2	20
Carbon disulfide	A	100.0	102.5	0.549092	0.56287		2.5	20
Carbon tetrachloride	A	100.0	117.0	0.2201406	0.2575071		17.0	20
Chlorobenzene	A	100.0	98.06	1.46879	1.440286	0.3	-1.9	20
Chloroethane	A	100.0	96.40	0.1477522	0.142427		-3.6	20
Chloroform	A	100.0	99.59	0.4138944	0.4122144		-0.4	20
Chloromethane	A	100.0	80.36	0.2843574	0.2285184	0.1	-19.6	20
2-Chlorotoluene	A	100.0	95.50	2.089316	1.995339		-4.5	20
4-Chlorotoluene	A	100.0	97.16	2.383943	2.316193		-2.8	20
Dibromochloromethane	Q	100.0	101.3	0.4682909	0.5583677		1.3	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.86	0.1119305	0.1338539		-3.1	20
1,2-Dibromoethane (EDB)	A	100.0	99.82	0.5515188	0.5505532		-0.2	20
Dibromomethane	A	100.0	100.5	0.159759	0.1605596		0.5	20
1,2-Dichlorobenzene	A	100.0	96.96	1.203659	1.167077		-3.0	20
1,3-Dichlorobenzene	A	100.0	96.78	1.256964	1.216443		-3.2	20
1,4-Dichlorobenzene	A	100.0	95.99	1.26803	1.217126		-4.0	20
Dichlorodifluoromethane	A	100.0	125.4	0.1924809	0.2413184		25.4	20 *
1,1-Dichloroethane	A	100.0	99.76	0.4594785	0.458391	0.1	-0.2	20
1,2-Dichloroethane	A	100.0	102.0	0.3510167	0.357926		2.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0504CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12804	Injection Date:	05/04/12
Lab Sample ID:	2E12804-CCV1	Injection Time:	06:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	93.78	0.1816551	0.1703565		-6.2	20
cis-1,2-Dichloroethene	A	100.0	98.75	0.2461851	0.243096		-1.3	20
trans-1,2-Dichloroethene	A	100.0	99.07	0.2335685	0.2314047		-0.9	20
1,2-Dichloropropane	A	100.0	97.62	0.259293	0.2531321		-2.4	20
1,3-Dichloropropane	A	100.0	97.93	0.8986729	0.8800269		-2.1	20
2,2-Dichloropropane	A	100.0	111.6	0.2935838	0.3276534		11.6	20
1,1-Dichloropropene	A	100.0	100.0	0.319009	0.3190075		-0.0005	20
cis-1,3-Dichloropropene	A	100.0	106.1	0.3521134	0.3734886		6.1	20
trans-1,3-Dichloropropene	A	100.0	108.1	0.8239793	0.8908046		8.1	20
Ethylbenzene	A	100.0	99.76	2.511121	2.5051		-0.2	20
Hexachlorobutadiene	A	100.0	97.47	0.2973976	0.2898848		-2.5	20
2-Hexanone	A	200.0	206.5	0.4846361	0.5003202		3.2	20
Isopropylbenzene	A	100.0	100.2	2.072041	2.075354		0.2	20
p-Isopropyltoluene	A	100.0	98.81	2.123426	2.098142		-1.2	20
Methylene chloride	A	100.0	91.86	0.2190071	0.2011898		-8.1	20
Naphthalene	A	100.0	101.7	1.40191	1.425446		1.7	20
4-Methyl-2-pentanone	A	200.0	211.6	0.2742899	0.2901549		5.8	20
Methyl t-Butyl Ether	A	100.0	100.0	0.6034362	0.6036644		0.04	20
n-Propylbenzene	A	100.0	96.81	3.366424	3.25895		-3.2	20
Styrene	A	100.0	101.3	1.582432	1.603554		1.3	20
1,1,2,2-Tetrachloroethane	A	100.0	95.30	0.8277083	0.7888092	0.3	-4.7	20
1,1,1,2-Tetrachloroethane	A	100.0	112.3	0.4212623	0.4729189		12.3	20
Tetrachloroethene	A	100.0	100.6	0.5209978	0.5240419		0.6	20
Toluene	A	100.0	96.28	1.306882	1.258263		-3.7	20
1,2,3-Trichlorobenzene	A	100.0	99.90	0.6431937	0.6425224		-0.1	20
1,2,4-Trichlorobenzene	A	100.0	100.6	0.7381814	0.7430058		0.7	20
1,1,2-Trichloroethane	A	100.0	97.08	0.4426374	0.4297143		-2.9	20
1,1,1-Trichloroethane	A	100.0	109.1	0.2930192	0.3196478		9.1	20
Trichloroethene	A	100.0	100.5	0.2340808	0.2352836		0.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0504CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12804	Injection Date:	05/04/12
Lab Sample ID:	2E12804-CCV1	Injection Time:	06:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	107.6	0.3110129	0.3346666		7.6	20
1,2,3-Trichloropropane	A	100.0	102.8	0.1727305	0.1774756		2.7	20
1,3,5-Trimethylbenzene	A	100.0	98.82	2.198041	2.172007		-1.2	20
1,2,4-Trimethylbenzene	A	100.0	100.3	2.208168	2.214264		0.3	20
Vinyl chloride	A	100.0	95.54	0.1848242	0.1765789		-4.5	20
Xylenes (total)	A	300.0	295.8	1.916445	1.889672		-1.4	20
Bromofluorobenzene	A	30.00	31.79	0.8581783	0.9094009		6.0	20
Dibromofluoromethane	A	30.00	31.94	0.2631144	0.2801135		6.5	20
1,2-Dichloroethane-d4	A	30.00	32.10	6.156409E-02	6.586438E-02		7.0	20
Toluene-d8	A	30.00	31.75	2.250463	2.381673		5.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0507CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12903	Injection Date:	05/07/12
Lab Sample ID:	2E12903-CCV1	Injection Time:	07:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	173.2	8.548666E-02	7.401059E-02		-13.4	20	
Benzene	A	100.0	98.08	0.9315107	0.9136698		-1.9	20	
Bromobenzene	A	100.0	101.3	0.7087812	0.7178627		1.3	20	
Bromochloromethane	A	100.0	106.7	0.1195172	0.1275704		6.7	20	
Bromodichloromethane	A	100.0	114.3	0.2918713	0.3335079		14.3	20	
Bromoform	Q	100.0	111.3	0.2807903	0.3936588	0.1	11.3	20	
Bromomethane	A	100.0	74.61	0.1508425	0.112549		-25.4	20	*
n-Butylbenzene	A	100.0	101.1	1.996493	2.019198		1.1	20	
2-Butanone	A	200.0	193.3	0.1504013	0.1453861		-3.3	20	
sec-Butylbenzene	A	100.0	99.89	2.683693	2.68073		-0.1	20	
tert-Butylbenzene	A	100.0	103.4	1.962219	2.028544		3.4	20	
Carbon disulfide	A	100.0	95.46	0.549092	0.5241453		-4.5	20	
Carbon tetrachloride	A	100.0	130.9	0.2201406	0.2880827		30.9	20	*
Chlorobenzene	A	100.0	101.4	1.46879	1.489111	0.3	1.4	20	
Chloroethane	A	100.0	94.23	0.1477522	0.1392315		-5.8	20	
Chloroform	A	100.0	102.5	0.4138944	0.424259		2.5	20	
Chloromethane	A	100.0	74.36	0.2843574	0.2114464	0.1	-25.6	20	*
2-Chlorotoluene	A	100.0	98.77	2.089316	2.063683		-1.2	20	
4-Chlorotoluene	A	100.0	98.01	2.383943	2.336479		-2.0	20	
Dibromochloromethane	Q	100.0	108.1	0.4682909	0.5989814		8.1	20	
1,2-Dibromo-3-chloropropane	Q	100.0	105.2	0.1119305	0.1463457		5.2	20	
1,2-Dibromoethane (EDB)	A	100.0	104.5	0.5515188	0.5761649		4.5	20	
Dibromomethane	A	100.0	102.8	0.159759	0.1642475		2.8	20	
1,2-Dichlorobenzene	A	100.0	100.3	1.203659	1.206737		0.3	20	
1,3-Dichlorobenzene	A	100.0	100.1	1.256964	1.257756		0.06	20	
1,4-Dichlorobenzene	A	100.0	99.09	1.26803	1.256467		-0.9	20	
Dichlorodifluoromethane	A	100.0	131.0	0.1924809	0.2522165		31.0	20	*
1,1-Dichloroethane	A	100.0	101.2	0.4594785	0.4652418	0.1	1.3	20	
1,2-Dichloroethane	A	100.0	107.4	0.3510167	0.3770274		7.4	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0507CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12903	Injection Date:	05/07/12
Lab Sample ID:	2E12903-CCV1	Injection Time:	07:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	99.05	0.1816551	0.1799321		-0.9	20
cis-1,2-Dichloroethene	A	100.0	99.79	0.2461851	0.245676		-0.2	20
trans-1,2-Dichloroethene	A	100.0	100.4	0.2335685	0.2346171		0.4	20
1,2-Dichloropropane	A	100.0	97.66	0.259293	0.2532314		-2.3	20
1,3-Dichloropropane	A	100.0	97.57	0.8986729	0.8768678		-2.4	20
2,2-Dichloropropane	A	100.0	119.6	0.2935838	0.3511121		19.6	20
1,1-Dichloropropene	A	100.0	103.3	0.319009	0.3294378		3.3	20
cis-1,3-Dichloropropene	A	100.0	108.3	0.3521134	0.381184		8.3	20
trans-1,3-Dichloropropene	A	100.0	112.6	0.8239793	0.9276352		12.6	20
Ethylbenzene	A	100.0	101.8	2.511121	2.556719		1.8	20
Hexachlorobutadiene	A	100.0	108.8	0.2973976	0.3234662		8.8	20
2-Hexanone	A	200.0	209.7	0.4846361	0.5081612		4.9	20
Isopropylbenzene	A	100.0	105.0	2.072041	2.17566		5.0	20
p-Isopropyltoluene	A	100.0	103.1	2.123426	2.190066		3.1	20
Methylene chloride	A	100.0	83.45	0.2190071	0.1827606		-16.6	20
Naphthalene	A	100.0	108.5	1.40191	1.521653		8.5	20
4-Methyl-2-pentanone	A	200.0	214.1	0.2742899	0.2935897		7.0	20
Methyl t-Butyl Ether	A	100.0	105.2	0.6034362	0.6345672		5.2	20
n-Propylbenzene	A	100.0	97.55	3.366424	3.284022		-2.4	20
Styrene	A	100.0	103.6	1.582432	1.639037		3.6	20
1,1,2,2-Tetrachloroethane	A	100.0	97.13	0.8277083	0.8039295	0.3	-2.9	20
1,1,1,2-Tetrachloroethane	A	100.0	120.4	0.4212623	0.5070525		20.4	20 *
Tetrachloroethene	A	100.0	107.3	0.5209978	0.5588966		7.3	20
Toluene	A	100.0	96.11	1.306882	1.256072		-3.9	20
1,2,3-Trichlorobenzene	A	100.0	106.7	0.6431937	0.6862894		6.7	20
1,2,4-Trichlorobenzene	A	100.0	105.0	0.7381814	0.7754548		5.0	20
1,1,2-Trichloroethane	A	100.0	99.00	0.4426374	0.4382115		-1.0	20
1,1,1-Trichloroethane	A	100.0	117.1	0.2930192	0.3430371		17.1	20
Trichloroethene	A	100.0	104.2	0.2340808	0.2439102		4.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0507CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12903	Injection Date:	05/07/12
Lab Sample ID:	2E12903-CCV1	Injection Time:	07:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	110.4	0.3110129	0.3433857		10.4	20
1,2,3-Trichloropropane	A	100.0	108.3	0.1727305	0.1869957		8.3	20
1,3,5-Trimethylbenzene	A	100.0	102.2	2.198041	2.245985		2.2	20
1,2,4-Trimethylbenzene	A	100.0	104.0	2.208168	2.296061		4.0	20
Vinyl chloride	A	100.0	98.33	0.1848242	0.1817403		-1.7	20
Xylenes (total)	A	300.0	300.4	1.916445	1.919303		0.1	20
Bromofluorobenzene	A	30.00	32.76	0.8581783	0.9371286		9.2	20
Dibromofluoromethane	A	30.00	32.41	0.2631144	0.2842946		8.0	20
1,2-Dichloroethane-d4	A	30.00	31.63	6.156409E-02	6.491344E-02		5.4	20
Toluene-d8	A	30.00	31.81	2.250463	2.38638		6.0	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_052

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

Matrix: Laboratory ID: 2E03012-BLK1 File ID: 0503BL1.D

Sampled: Prepared: Analyzed: 05/03/12 09:52

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E03012-BLK1 File ID: 0503BL1.D

Sampled: Prepared: Analyzed: 05/03/12 09:52

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.18	93.9	75 - 120	
Dibromofluoromethane	30.00	31.57	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.51	102	70 - 120	
Toluene-d8	30.00	30.13	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E03012-BS1 | File ID: 0503LCS1.D

Sampled: | Prepared: | Analyzed: 05/03/12 08:32

Solids: | Preparation: 5030B | Dilution:

Batch: 2E03012 | Sequence: 2E12512 | Calibration: 2114002 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.1	2.50	5.00	10.0	
71-43-2	Benzene	47.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.7	0.250	0.500	1.00	
75-25-2	Bromoform	47.3	0.250	0.500	1.00	
74-83-9	Bromomethane	46.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.1	0.250	0.500	1.00	
78-93-3	2-Butanone	113	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	42.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.7	0.250	0.500	1.00	
75-00-3	Chloroethane	51.8	0.500	1.00	2.00	
67-66-3	Chloroform	47.2	0.250	0.500	1.00	
74-87-3	Chloromethane	50.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	58.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	75.6	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	48.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	46.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	47.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.2	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E03012-BS1 File ID: 0503LCS1.D

Sampled: Prepared: Analyzed: 05/03/12 08:32

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	114	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	43.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.2	0.500	1.00	2.00	
91-20-3	Naphthalene	49.3	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	114	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.3	0.250	0.500	1.00	
100-42-5	Styrene	46.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	58.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.3	0.250	0.500	1.00	
108-88-3	Toluene	47.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.4	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	49.5	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	136	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.60	98.7	75 - 120	
Dibromofluoromethane	30.00	31.70	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.28	101	70 - 120	
Toluene-d8	30.00	31.14	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E03012-BSD1 File ID: 0503LCD1.D

Sampled: Prepared: Analyzed: 05/03/12 17:54

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.1	2.50	5.00	10.0	
71-43-2	Benzene	49.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.5	0.250	0.500	1.00	
75-25-2	Bromoform	44.3	0.250	0.500	1.00	
74-83-9	Bromomethane	45.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.4	0.250	0.500	1.00	
78-93-3	2-Butanone	106	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	53.1	0.500	1.00	2.00	
67-66-3	Chloroform	48.4	0.250	0.500	1.00	
74-87-3	Chloromethane	51.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	53.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	76.2	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	51.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	41.8	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E03012-BSD1 File ID: 0503LCD1.D

Sampled: Prepared: Analyzed: 05/03/12 17:54

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	106	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	43.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.3	0.500	1.00	2.00	
91-20-3	Naphthalene	42.6	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	110	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	48.2	0.250	0.500	1.00	
100-42-5	Styrene	45.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	57.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.2	0.250	0.500	1.00	
108-88-3	Toluene	47.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	40.9	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	44.7	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	49.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	48.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	136	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.37	97.9	75 - 120	
Dibromofluoromethane	30.00	31.76	106	85 - 115	
1,2-Dichloroethane-d4	30.00	29.89	99.6	70 - 120	
Toluene-d8	30.00	30.10	100	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-BLK1 File ID: 0504BL1.D

Sampled: Prepared: Analyzed: 05/04/12 08:54

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-BLK1 File ID: 0504BL1.D

Sampled: Prepared: Analyzed: 05/04/12 08:54

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.10	104	75 - 120	
Dibromofluoromethane	30.00	31.05	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.54	105	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-BS1 File ID: 0504LCS1.D

Sampled: Prepared: Analyzed: 05/04/12 07:07

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	84.4	2.50	5.00	10.0	
71-43-2	Benzene	49.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.9	0.250	0.500	1.00	
75-25-2	Bromoform	50.4	0.250	0.500	1.00	
74-83-9	Bromomethane	36.2	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	50.7	0.250	0.500	1.00	
78-93-3	2-Butanone	96.2	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	42.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	57.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.6	0.250	0.500	1.00	
75-00-3	Chloroethane	47.5	0.500	1.00	2.00	
67-66-3	Chloroform	49.1	0.250	0.500	1.00	
74-87-3	Chloromethane	36.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.8	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	49.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	63.0	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	55.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.4	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-BS1 File ID: 0504LCS1.D

Sampled: Prepared: Analyzed: 05/04/12 07:07

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	105	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.9	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.6	0.500	1.00	2.00	
91-20-3	Naphthalene	50.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	109	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.2	0.250	0.500	1.00	
100-42-5	Styrene	49.4	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.9	0.250	0.500	1.00	
108-88-3	Toluene	48.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.3	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	50.4	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.3	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	51.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.7	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.68	106	75 - 120	
Dibromofluoromethane	30.00	31.83	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.25	104	70 - 120	
Toluene-d8	30.00	31.11	104	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-MS1 File ID: 0502103M.D

Sampled: Prepared: Analyzed: 05/04/12 15:10

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	78.6	2.50	5.00	10.0	
71-43-2	Benzene	50.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.5	0.250	0.500	1.00	
75-25-2	Bromoform	48.8	0.250	0.500	1.00	
74-83-9	Bromomethane	26.8	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	49.0	0.250	0.500	1.00	
78-93-3	2-Butanone	89.0	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	57.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.3	0.250	0.500	1.00	
75-00-3	Chloroethane	51.6	0.500	1.00	2.00	
67-66-3	Chloroform	50.4	0.250	0.500	1.00	
74-87-3	Chloromethane	35.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	64.6	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	44.6	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-MS1 File ID: 0502103M.D

Sampled: Prepared: Analyzed: 05/04/12 15:10

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.3	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.4	0.500	1.00	2.00	
91-20-3	Naphthalene	51.1	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	101	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.5	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.9	0.250	0.500	1.00	
100-42-5	Styrene	50.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.3	0.250	0.500	1.00	
108-88-3	Toluene	49.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	48.2	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	152	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.78	106	75 - 120	
Dibromofluoromethane	30.00	31.41	105	85 - 115	
1,2-Dichloroethane-d4	30.00	29.90	99.7	70 - 120	
Toluene-d8	30.00	30.54	102	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-MSD1 File ID: 0502103S.D

Sampled: Prepared: Analyzed: 05/04/12 15:37

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	83.9	2.50	5.00	10.0	
71-43-2	Benzene	49.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.9	0.250	0.500	1.00	
75-25-2	Bromoform	49.9	0.250	0.500	1.00	
74-83-9	Bromomethane	32.9	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	48.6	0.250	0.500	1.00	
78-93-3	2-Butanone	86.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.3	0.250	0.500	1.00	
75-00-3	Chloroethane	48.1	0.500	1.00	2.00	
67-66-3	Chloroform	49.8	0.250	0.500	1.00	
74-87-3	Chloromethane	35.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	64.6	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	48.9	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	44.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	51.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	47.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	46.9	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04001-MSD1 File ID: 0502103S.D

Sampled: Prepared: Analyzed: 05/04/12 15:37

Solids: Preparation: 5030B Dilution:

Batch: 2E04001 Sequence: 2E12804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	97.8	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.3	0.500	1.00	2.00	
91-20-3	Naphthalene	50.6	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	101	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.3	0.250	0.500	1.00	
100-42-5	Styrene	49.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.0	0.250	0.500	1.00	
108-88-3	Toluene	49.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.8	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	48.9	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	150	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.30	108	75 - 120	
Dibromofluoromethane	30.00	31.77	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.40	101	70 - 120	
Toluene-d8	30.00	30.65	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-BLK1 File ID: 0507BL1.D

Sampled: Prepared: Analyzed: 05/07/12 08:50

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	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	X, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.280	0.250	0.500	2.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-BLK1 File ID: 0507BL1.D

Sampled: Prepared: Analyzed: 05/07/12 08:50

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.11	104	75 - 120	
Dibromofluoromethane	30.00	31.56	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.31	104	70 - 120	
Toluene-d8	30.00	30.68	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-BS1 File ID: 0507LCS1.D

Sampled: Prepared: Analyzed: 05/07/12 07:30

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	89.8	2.50	5.00	10.0	
71-43-2	Benzene	48.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.2	0.250	0.500	1.00	
75-25-2	Bromoform	52.5	0.250	0.500	1.00	
74-83-9	Bromomethane	33.9	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	48.4	0.250	0.500	1.00	
78-93-3	2-Butanone	91.4	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	60.6	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	47.7	0.250	0.500	1.00	
75-00-3	Chloroethane	46.6	0.500	1.00	2.00	
67-66-3	Chloroform	49.2	0.250	0.500	1.00	
74-87-3	Chloromethane	34.0	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	46.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.0	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.4	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.2	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	43.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	47.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	47.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	56.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.9	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E07001-BS1
File ID: 0507LCS1.D
Sampled:
Prepared:
Analyzed: 05/07/12 07:30
Solids:
Preparation: 5030B
Dilution:
Batch: 2E07001
Sequence: 2E12903
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	98.6	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.9	0.500	1.00	2.00	
91-20-3	Naphthalene	48.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	98.7	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	46.7	0.250	0.500	1.00	
100-42-5	Styrene	49.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	44.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	56.6	0.250	0.500	1.00	X
127-18-4	Tetrachloroethene	50.3	0.250	0.500	1.00	
108-88-3	Toluene	48.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	50.1	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	47.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	146	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.73	106	75 - 120	
Dibromofluoromethane	30.00	32.53	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.44	105	70 - 120	
Toluene-d8	30.00	31.35	104	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-MS1 File ID: 0502813M.D

Sampled: Prepared: Analyzed: 05/07/12 16:00

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	77.0	2.50	5.00	10.0	
71-43-2	Benzene	47.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.0	0.250	0.500	1.00	
75-25-2	Bromoform	47.4	0.250	0.500	1.00	
74-83-9	Bromomethane	31.9	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	47.1	0.250	0.500	1.00	
78-93-3	2-Butanone	92.7	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	39.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.4	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	45.6	0.250	0.500	1.00	
75-00-3	Chloroethane	46.5	0.500	1.00	2.00	
67-66-3	Chloroform	49.4	0.250	0.500	1.00	
74-87-3	Chloromethane	37.5	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	45.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.4	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	46.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	45.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.2	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	50.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	46.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	55.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	45.6	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-MS1 File ID: 0502813M.D

Sampled: Prepared: Analyzed: 05/07/12 16:00

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.4	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	40.4	0.500	1.00	2.00	
91-20-3	Naphthalene	47.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	101	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	45.9	0.250	0.500	1.00	
100-42-5	Styrene	47.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	45.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.6	0.250	0.500	1.00	X
127-18-4	Tetrachloroethene	48.9	0.250	0.500	1.00	
108-88-3	Toluene	46.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	47.2	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	46.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	49.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	53.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	143	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.87	106	75 - 120	
Dibromofluoromethane	30.00	31.94	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.62	102	70 - 120	
Toluene-d8	30.00	30.52	102	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-MSD1 File ID: 0502813S.D

Sampled: Prepared: Analyzed: 05/07/12 16:27

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	78.1	2.50	5.00	10.0	
71-43-2	Benzene	45.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	45.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.1	0.250	0.500	1.00	
75-25-2	Bromoform	47.8	0.250	0.500	1.00	
74-83-9	Bromomethane	34.6	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	44.2	0.250	0.500	1.00	
78-93-3	2-Butanone	88.5	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	44.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	45.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	39.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.7	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	44.4	0.250	0.500	1.00	
75-00-3	Chloroethane	44.4	0.500	1.00	2.00	
67-66-3	Chloroform	46.3	0.250	0.500	1.00	
74-87-3	Chloromethane	35.6	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	43.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	43.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	44.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	44.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.8	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	48.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.7	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	42.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	45.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	45.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	45.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	51.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	46.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	46.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	45.1	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E07001-MSD1 File ID: 0502813S.D

Sampled: Prepared: Analyzed: 05/07/12 16:27

Solids: Preparation: 5030B Dilution:

Batch: 2E07001 Sequence: 2E12903 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.0	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	44.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	43.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	41.8	0.500	1.00	2.00	
91-20-3	Naphthalene	48.0	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	99.2	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	43.0	0.250	0.500	1.00	
100-42-5	Styrene	46.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	43.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.1	0.250	0.500	1.00	X
127-18-4	Tetrachloroethene	47.3	0.250	0.500	1.00	
108-88-3	Toluene	45.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	46.0	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	46.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	46.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	46.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	140	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.94	106	75 - 120	
Dibromofluoromethane	30.00	31.73	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.02	103	70 - 120	
Toluene-d8	30.00	30.83	103	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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
GW0526	04/30/12 16:44	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 11:12	2.73	14.00	
GW0553	04/30/12 11:57	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 11:39	2.95	14.00	
GW0554	04/30/12 14:50	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 13:26	2.90	14.00	
GW0602	05/01/12 11:16	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 13:53	2.07	14.00	
GW0617	04/30/12 12:57	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 14:20	3.02	14.00	
GW0618	04/30/12 10:24	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 14:47	3.14	14.00	
GW8200-TB	04/30/12 08:00	05/02/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 10:46	3.07	14.00	
GW0525	05/01/12 14:25	05/03/12 08:30	05/04/12 00:00	N/A	14.00	05/04/12 12:02	2.86	14.00	
GW0538	05/02/12 13:16	05/03/12 08:30	05/04/12 00:00	N/A	14.00	05/04/12 12:29	1.93	14.00	
GW0539	05/02/12 10:44	05/03/12 08:30	05/04/12 00:00	N/A	14.00	05/04/12 12:56	2.05	14.00	
GW0561	05/02/12 10:41	05/03/12 08:30	05/04/12 00:00	N/A	14.00	05/04/12 13:22	2.07	14.00	
GW0601	05/01/12 15:22	05/03/12 08:30	05/04/12 00:00	N/A	14.00	05/04/12 14:43	2.93	14.00	
GW8201-TB	05/02/12 08:00	05/03/12 08:30	05/04/12 00:00	N/A	14.00	05/04/12 10:14	2.05	14.00	
GW0507	05/03/12 15:48	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 11:31	3.78	14.00	
GW0524	05/03/12 10:28	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 11:58	4.02	14.00	
GW0537	05/02/12 15:45	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 12:25	4.82	14.00	
GW0555	05/03/12 13:25	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 12:52	3.94	14.00	
GW0556	05/03/12 13:25	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 13:19	3.95	14.00	
GW0580	05/03/12 16:05	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 13:46	3.86	14.00	
GW0581	05/03/12 11:26	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 10:11	3.91	14.00	
GW0582	05/03/12 13:58	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 14:13	3.97	14.00	
GW0616	05/02/12 15:31	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 14:39	4.92	14.00	
GW8052-AB	05/03/12 11:26	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 10:38	3.93	14.00	
GW8053-AB	05/03/12 10:28	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 11:05	3.98	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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
GW8202-TB	05/03/12 08:00	05/04/12 08:20	05/07/12 00:00	N/A	14.00	05/07/12 09:17	4.01	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	0500901.D
Sampled:	04/30/12 16:44	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 15:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 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	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, U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	0500901.D
Sampled:	04/30/12 16:44	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 15:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	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
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	40.00	83.2	50 - 110	
2-Fluorophenol	96.15	25.86	26.9	20 - 110	
Nitrobenzene-d5	48.08	39.60	82.4	40 - 110	
Phenol-d6	96.15	17.92	18.6	0 - 110	
Terphenyl-d14	48.08	47.90	99.6	50 - 135	
2,4,6-Tribromophenol	96.15	55.50	57.7	40 - 125	

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	0500903.D
Sampled:	04/30/12 11:57	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 15:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	X, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	0500903.D
Sampled:	04/30/12 11:57	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 15:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	39.73	84.2	50 - 110	
2-Fluorophenol	94.34	31.71	33.6	20 - 110	
Nitrobenzene-d5	47.17	39.62	84.0	40 - 110	
Phenol-d6	94.34	19.36	20.5	0 - 110	
Terphenyl-d14	47.17	47.69	101	50 - 135	
2,4,6-Tribromophenol	94.34	67.90	72.0	40 - 125	

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	0500905.D
Sampled:	04/30/12 14:50	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 16:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	X, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	0500905.D
Sampled:	04/30/12 14:50	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 16:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.76	80.0	50 - 110	
2-Fluorophenol	94.34	30.33	32.1	20 - 110	
Nitrobenzene-d5	47.17	37.19	78.9	40 - 110	
Phenol-d6	94.34	18.40	19.5	0 - 110	
Terphenyl-d14	47.17	46.76	99.1	50 - 135	
2,4,6-Tribromophenol	94.34	72.93	77.3	40 - 125	

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	0500907.D
Sampled:	05/01/12 11:16	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 16:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	X, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	0500907.D
Sampled:	05/01/12 11:16	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 16:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	40.40	85.6	50 - 110	
2-Fluorophenol	94.34	28.73	30.4	20 - 110	
Nitrobenzene-d5	47.17	38.20	81.0	40 - 110	
Phenol-d6	94.34	18.35	19.5	0 - 110	
Terphenyl-d14	47.17	51.39	109	50 - 135	
2,4,6-Tribromophenol	94.34	64.83	68.7	40 - 125	

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	0500909.D
Sampled:	04/30/12 12:57	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 17:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	X, U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	0500909.D
Sampled:	04/30/12 12:57	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 17:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	39.76	85.1	50 - 110	
2-Fluorophenol	93.46	23.52	25.2	20 - 110	
Nitrobenzene-d5	46.73	38.25	81.9	40 - 110	
Phenol-d6	93.46	16.42	17.6	0 - 110	
Terphenyl-d14	46.73	48.48	104	50 - 135	
2,4,6-Tribromophenol	93.46	50.32	53.8	40 - 125	

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	0500911.D
Sampled:	04/30/12 10:24	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 17:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 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, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	0500911.D
Sampled:	04/30/12 10:24	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 17:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	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
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.28	70.6	50 - 110	
2-Fluorophenol	100.0	25.42	25.4	20 - 110	
Nitrobenzene-d5	50.00	33.85	67.7	40 - 110	
Phenol-d6	100.0	15.94	15.9	0 - 110	
Terphenyl-d14	50.00	48.45	96.9	50 - 135	
2,4,6-Tribromophenol	100.0	69.10	69.1	40 - 125	

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	0502101.D
Sampled:	05/01/12 14:25	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 16:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.24	2.48	4.95	U
208-96-8	Acenaphthylene		1.24	2.48	4.95	U
98-86-2	Acetophenone		1.24	2.48	4.95	U
120-12-7	Anthracene		1.24	2.48	4.95	U
1912-24-9	Atrazine		1.24	2.48	4.95	U
100-52-7	Benzaldehyde		1.24	2.48	4.95	U
92-87-5	Benzidine		12.4	24.8	49.5	U
56-55-3	Benzo(a)anthracene		1.24	2.48	4.95	U
50-32-8	Benzo(a)pyrene		1.24	2.48	4.95	U
205-99-2	Benzo(b)fluoranthene		1.24	2.48	4.95	U
191-24-2	Benzo(g,h,i)perylene		1.24	2.48	4.95	U
65-85-0	Benzoic acid		12.4	24.8	49.5	U
207-08-9	Benzo(k)fluoranthene		1.24	2.48	4.95	U
92-52-4	1,1-Biphenyl		1.24	2.48	4.95	U
101-55-3	4-Bromophenyl-phenylether		1.24	2.48	4.95	U
85-68-7	Butylbenzylphthalate		1.24	2.48	4.95	U
105-60-2	Caprolactam		1.24	2.48	4.95	Q, U
86-74-8	Carbazole		1.24	2.48	4.95	U
59-50-7	4-Chloro-3-methylphenol		1.24	2.48	4.95	U
106-47-8	4-Chloroaniline		1.24	2.48	4.95	U
111-91-1	Bis(2-chloroethoxy)methane		1.24	2.48	4.95	U
111-44-4	Bis(2-chloroethyl)ether		1.24	2.48	4.95	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.24	2.48	4.95	U
91-58-7	2-Chloronaphthalene		1.24	2.48	4.95	U
95-57-8	2-Chlorophenol		1.24	2.48	4.95	U
7005-72-3	4-Chlorophenyl phenyl ether		1.24	2.48	4.95	U
218-01-9	Chrysene		1.24	2.48	4.95	U
53-70-3	Dibenz(a,h)anthracene		1.24	2.48	4.95	U
132-64-9	Dibenzofuran		1.24	2.48	4.95	U
84-74-2	Di-n-butylphthalate		1.24	2.48	4.95	U
91-94-1	3,3'-Dichlorobenzidine		1.24	2.48	4.95	U
120-83-2	2,4-Dichlorophenol		1.24	2.48	4.95	U
84-66-2	Diethylphthalate		1.24	2.48	4.95	U
105-67-9	2,4-Dimethylphenol		4.95	9.90	19.8	U
131-11-3	Dimethyl phthalate		1.24	2.48	4.95	U
534-52-1	4,6-Dinitro-2-methylphenol		4.95	9.90	19.8	U
51-28-5	2,4-Dinitrophenol		0.990	24.8	49.5	U
121-14-2	2,4-Dinitrotoluene		1.24	2.48	4.95	U
606-20-2	2,6-Dinitrotoluene		1.24	2.48	4.95	U
117-84-0	Di-n-octylphthalate		1.24	2.48	4.95	U

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	0502101.D
Sampled:	05/01/12 14:25	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 16:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.24	2.48	4.95	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.24	2.48	4.95	U
206-44-0	Fluoranthene		1.24	2.48	4.95	U
86-73-7	Fluorene		1.24	2.48	4.95	U
118-74-1	Hexachlorobenzene		1.24	2.48	4.95	U
87-68-3	Hexachlorobutadiene		1.24	2.48	4.95	U
77-47-4	Hexachlorocyclopentadiene		1.24	2.48	4.95	U
67-72-1	Hexachloroethane		1.24	2.48	4.95	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.24	2.48	4.95	U
78-59-1	Isophorone		1.24	2.48	4.95	U
90-12-0	1-Methylnaphthalene		1.24	2.48	4.95	U
91-57-6	2-Methylnaphthalene		1.24	2.48	4.95	U
95-48-7	2-Methylphenol		1.24	2.48	4.95	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.24	2.48	4.95	U
91-20-3	Naphthalene		1.24	2.48	4.95	U
100-01-6	4-Nitroaniline		4.95	9.90	19.8	U
99-09-2	3-Nitroaniline		4.95	9.90	19.8	U
88-74-4	2-Nitroaniline		4.95	9.90	19.8	U
98-95-3	Nitrobenzene		1.24	2.48	4.95	U
100-02-7	4-Nitrophenol		4.95	9.90	19.8	U
88-75-5	2-Nitrophenol		1.24	2.48	4.95	U
86-30-6	N-Nitrosodiphenylamine		1.24	2.48	4.95	U
621-64-7	N-Nitroso-di-n-propylamine		1.24	2.48	4.95	U
87-86-5	Pentachlorophenol		4.95	9.90	19.8	U
85-01-8	Phenanthrene		1.24	2.48	4.95	U
108-95-2	Phenol		1.24	2.48	4.95	U
129-00-0	Pyrene		1.24	2.48	4.95	U
88-06-2	2,4,6-Trichlorophenol		1.24	2.48	4.95	U
95-95-4	2,4,5-Trichlorophenol		1.24	2.48	4.95	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	37.23	75.2	50 - 110	
2-Fluorophenol	99.01	30.23	30.5	20 - 110	
Nitrobenzene-d5	49.50	40.35	81.5	40 - 110	X
Phenol-d6	99.01	16.68	16.8	0 - 110	
Terphenyl-d14	49.50	48.83	98.6	50 - 135	
2,4,6-Tribromophenol	99.01	77.91	78.7	40 - 125	X

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	0502103.D
Sampled:	05/02/12 13:16	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 16:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.24	2.48	4.95	U
208-96-8	Acenaphthylene		1.24	2.48	4.95	U
98-86-2	Acetophenone		1.24	2.48	4.95	U
120-12-7	Anthracene		1.24	2.48	4.95	U
1912-24-9	Atrazine		1.24	2.48	4.95	U
100-52-7	Benzaldehyde		1.24	2.48	4.95	U
92-87-5	Benzidine		12.4	24.8	49.5	U
56-55-3	Benzo(a)anthracene		1.24	2.48	4.95	U
50-32-8	Benzo(a)pyrene		1.24	2.48	4.95	U
205-99-2	Benzo(b)fluoranthene		1.24	2.48	4.95	U
191-24-2	Benzo(g,h,i)perylene		1.24	2.48	4.95	U
65-85-0	Benzoic acid		12.4	24.8	49.5	U
207-08-9	Benzo(k)fluoranthene		1.24	2.48	4.95	U
92-52-4	1,1-Biphenyl		1.24	2.48	4.95	U
101-55-3	4-Bromophenyl-phenylether		1.24	2.48	4.95	U
85-68-7	Butylbenzylphthalate		1.24	2.48	4.95	U
105-60-2	Caprolactam		1.24	2.48	4.95	N, Q, U
86-74-8	Carbazole		1.24	2.48	4.95	U
59-50-7	4-Chloro-3-methylphenol		1.24	2.48	4.95	U
106-47-8	4-Chloroaniline		1.24	2.48	4.95	U
111-91-1	Bis(2-chloroethoxy)methane		1.24	2.48	4.95	U
111-44-4	Bis(2-chloroethyl)ether		1.24	2.48	4.95	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.24	2.48	4.95	U
91-58-7	2-Chloronaphthalene		1.24	2.48	4.95	U
95-57-8	2-Chlorophenol		1.24	2.48	4.95	U
7005-72-3	4-Chlorophenyl phenyl ether		1.24	2.48	4.95	U
218-01-9	Chrysene		1.24	2.48	4.95	U
53-70-3	Dibenz(a,h)anthracene		1.24	2.48	4.95	U
132-64-9	Dibenzofuran		1.24	2.48	4.95	U
84-74-2	Di-n-butylphthalate		1.24	2.48	4.95	U
91-94-1	3,3'-Dichlorobenzidine		1.24	2.48	4.95	U
120-83-2	2,4-Dichlorophenol		1.24	2.48	4.95	U
84-66-2	Diethylphthalate		1.24	2.48	4.95	U
105-67-9	2,4-Dimethylphenol		4.95	9.90	19.8	U
131-11-3	Dimethyl phthalate		1.24	2.48	4.95	U
534-52-1	4,6-Dinitro-2-methylphenol		4.95	9.90	19.8	U
51-28-5	2,4-Dinitrophenol		0.990	24.8	49.5	U
121-14-2	2,4-Dinitrotoluene		1.24	2.48	4.95	U
606-20-2	2,6-Dinitrotoluene		1.24	2.48	4.95	U
117-84-0	Di-n-octylphthalate		1.24	2.48	4.95	U

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	0502103.D
Sampled:	05/02/12 13:16	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 16:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.24	2.48	4.95	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.24	2.48	4.95	U
206-44-0	Fluoranthene		1.24	2.48	4.95	U
86-73-7	Fluorene		1.24	2.48	4.95	U
118-74-1	Hexachlorobenzene		1.24	2.48	4.95	U
87-68-3	Hexachlorobutadiene		1.24	2.48	4.95	U
77-47-4	Hexachlorocyclopentadiene		1.24	2.48	4.95	U
67-72-1	Hexachloroethane		1.24	2.48	4.95	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.24	2.48	4.95	U
78-59-1	Isophorone		1.24	2.48	4.95	U
90-12-0	1-Methylnaphthalene		1.24	2.48	4.95	U
91-57-6	2-Methylnaphthalene		1.24	2.48	4.95	U
95-48-7	2-Methylphenol		1.24	2.48	4.95	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.24	2.48	4.95	U
91-20-3	Naphthalene		1.24	2.48	4.95	U
100-01-6	4-Nitroaniline		4.95	9.90	19.8	U
99-09-2	3-Nitroaniline		4.95	9.90	19.8	U
88-74-4	2-Nitroaniline		4.95	9.90	19.8	U
98-95-3	Nitrobenzene		1.24	2.48	4.95	U
100-02-7	4-Nitrophenol		4.95	9.90	19.8	U
88-75-5	2-Nitrophenol		1.24	2.48	4.95	U
86-30-6	N-Nitrosodiphenylamine		1.24	2.48	4.95	U
621-64-7	N-Nitroso-di-n-propylamine		1.24	2.48	4.95	U
87-86-5	Pentachlorophenol		4.95	9.90	19.8	U
85-01-8	Phenanthrene		1.24	2.48	4.95	U
108-95-2	Phenol		1.24	2.48	4.95	U
129-00-0	Pyrene		1.24	2.48	4.95	U
88-06-2	2,4,6-Trichlorophenol		1.24	2.48	4.95	U
95-95-4	2,4,5-Trichlorophenol		1.24	2.48	4.95	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	40.25	81.3	50 - 110	
2-Fluorophenol	99.01	34.74	35.1	20 - 110	
Nitrobenzene-d5	49.50	42.62	86.1	40 - 110	X
Phenol-d6	99.01	18.13	18.3	0 - 110	
Terphenyl-d14	49.50	49.38	99.8	50 - 135	
2,4,6-Tribromophenol	99.01	81.64	82.5	40 - 125	X

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	0502105.D
Sampled:	05/02/12 10:44	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 17:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.21	2.43	4.85	U
208-96-8	Acenaphthylene		1.21	2.43	4.85	U
98-86-2	Acetophenone		1.21	2.43	4.85	U
120-12-7	Anthracene		1.21	2.43	4.85	U
1912-24-9	Atrazine		1.21	2.43	4.85	U
100-52-7	Benzaldehyde		1.21	2.43	4.85	U
92-87-5	Benzidine		12.1	24.3	48.5	U
56-55-3	Benzo(a)anthracene		1.21	2.43	4.85	U
50-32-8	Benzo(a)pyrene		1.21	2.43	4.85	U
205-99-2	Benzo(b)fluoranthene		1.21	2.43	4.85	U
191-24-2	Benzo(g,h,i)perylene		1.21	2.43	4.85	U
65-85-0	Benzoic acid		12.1	24.3	48.5	U
207-08-9	Benzo(k)fluoranthene		1.21	2.43	4.85	U
92-52-4	1,1-Biphenyl		1.21	2.43	4.85	U
101-55-3	4-Bromophenyl-phenylether		1.21	2.43	4.85	U
85-68-7	Butylbenzylphthalate		1.21	2.43	4.85	U
105-60-2	Caprolactam		1.21	2.43	4.85	Q, U
86-74-8	Carbazole		1.21	2.43	4.85	U
59-50-7	4-Chloro-3-methylphenol		1.21	2.43	4.85	U
106-47-8	4-Chloroaniline		1.21	2.43	4.85	U
111-91-1	Bis(2-chloroethoxy)methane		1.21	2.43	4.85	U
111-44-4	Bis(2-chloroethyl)ether		1.21	2.43	4.85	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.21	2.43	4.85	U
91-58-7	2-Chloronaphthalene		1.21	2.43	4.85	U
95-57-8	2-Chlorophenol		1.21	2.43	4.85	U
7005-72-3	4-Chlorophenyl phenyl ether		1.21	2.43	4.85	U
218-01-9	Chrysene		1.21	2.43	4.85	U
53-70-3	Dibenz(a,h)anthracene		1.21	2.43	4.85	U
132-64-9	Dibenzofuran		1.21	2.43	4.85	U
84-74-2	Di-n-butylphthalate		1.21	2.43	4.85	U
91-94-1	3,3'-Dichlorobenzidine		1.21	2.43	4.85	U
120-83-2	2,4-Dichlorophenol		1.21	2.43	4.85	U
84-66-2	Diethylphthalate		1.21	2.43	4.85	U
105-67-9	2,4-Dimethylphenol		4.85	9.71	19.4	U
131-11-3	Dimethyl phthalate		1.21	2.43	4.85	U
534-52-1	4,6-Dinitro-2-methylphenol		4.85	9.71	19.4	U
51-28-5	2,4-Dinitrophenol		0.971	24.3	48.5	U
121-14-2	2,4-Dinitrotoluene		1.21	2.43	4.85	U
606-20-2	2,6-Dinitrotoluene		1.21	2.43	4.85	U
117-84-0	Di-n-octylphthalate		1.21	2.43	4.85	U

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	0502105.D
Sampled:	05/02/12 10:44	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 17:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.21	2.43	4.85	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.21	2.43	4.85	U
206-44-0	Fluoranthene		1.21	2.43	4.85	U
86-73-7	Fluorene		1.21	2.43	4.85	U
118-74-1	Hexachlorobenzene		1.21	2.43	4.85	U
87-68-3	Hexachlorobutadiene		1.21	2.43	4.85	U
77-47-4	Hexachlorocyclopentadiene		1.21	2.43	4.85	U
67-72-1	Hexachloroethane		1.21	2.43	4.85	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.21	2.43	4.85	U
78-59-1	Isophorone		1.21	2.43	4.85	U
90-12-0	1-Methylnaphthalene		1.21	2.43	4.85	U
91-57-6	2-Methylnaphthalene		1.21	2.43	4.85	U
95-48-7	2-Methylphenol		1.21	2.43	4.85	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.21	2.43	4.85	U
91-20-3	Naphthalene		1.21	2.43	4.85	U
100-01-6	4-Nitroaniline		4.85	9.71	19.4	U
99-09-2	3-Nitroaniline		4.85	9.71	19.4	U
88-74-4	2-Nitroaniline		4.85	9.71	19.4	U
98-95-3	Nitrobenzene		1.21	2.43	4.85	U
100-02-7	4-Nitrophenol		4.85	9.71	19.4	U
88-75-5	2-Nitrophenol		1.21	2.43	4.85	U
86-30-6	N-Nitrosodiphenylamine		1.21	2.43	4.85	U
621-64-7	N-Nitroso-di-n-propylamine		1.21	2.43	4.85	U
87-86-5	Pentachlorophenol		4.85	9.71	19.4	U
85-01-8	Phenanthrene		1.21	2.43	4.85	U
108-95-2	Phenol		1.21	2.43	4.85	U
129-00-0	Pyrene		1.21	2.43	4.85	U
88-06-2	2,4,6-Trichlorophenol		1.21	2.43	4.85	U
95-95-4	2,4,5-Trichlorophenol		1.21	2.43	4.85	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.54	36.63	75.5	50 - 110	
2-Fluorophenol	97.09	28.52	29.4	20 - 110	
Nitrobenzene-d5	48.54	37.19	76.6	40 - 110	X
Phenol-d6	97.09	16.06	16.5	0 - 110	
Terphenyl-d14	48.54	50.69	104	50 - 135	
2,4,6-Tribromophenol	97.09	78.79	81.1	40 - 125	X

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	0502107.D
Sampled:	05/02/12 10:41	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 18:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	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	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		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	0502107.D
Sampled:	05/02/12 10:41	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 18:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	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
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.93	73.9	50 - 110	
2-Fluorophenol	100.0	28.93	28.9	20 - 110	
Nitrobenzene-d5	50.00	40.38	80.8	40 - 110	X
Phenol-d6	100.0	16.66	16.7	0 - 110	
Terphenyl-d14	50.00	46.12	92.2	50 - 135	
2,4,6-Tribromophenol	100.0	75.99	76.0	40 - 125	X

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	0502109.D
Sampled:	05/01/12 15:22	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 18:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	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	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		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	0502109.D
Sampled:	05/01/12 15:22	Prepared:	05/07/12 11:00	Analyzed:	05/08/12 18:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	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	1.36	1.23	2.45	4.90	J
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	34.22	69.8	50 - 110	
2-Fluorophenol	98.04	27.13	27.7	20 - 110	
Nitrobenzene-d5	49.02	39.12	79.8	40 - 110	X
Phenol-d6	98.04	15.10	15.4	0 - 110	
Terphenyl-d14	49.02	43.33	88.4	50 - 135	
2,4,6-Tribromophenol	98.04	82.17	83.8	40 - 125	X

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	0502801.D
Sampled:	05/03/12 15:48	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 18:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	0502801.D
Sampled:	05/03/12 15:48	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 18:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	39.97	84.7	50 - 110	X
2-Fluorophenol	94.34	26.30	27.9	20 - 110	
Nitrobenzene-d5	47.17	41.25	87.5	40 - 110	
Phenol-d6	94.34	15.16	16.1	0 - 110	
Terphenyl-d14	47.17	47.52	101	50 - 135	
2,4,6-Tribromophenol	94.34	67.78	71.8	40 - 125	

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	0502803.D
Sampled:	05/03/12 10:28	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 18:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	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	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		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	0502803.D
Sampled:	05/03/12 10:28	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 18:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	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
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	39.72	81.0	50 - 110	X
2-Fluorophenol	98.04	30.44	31.0	20 - 110	
Nitrobenzene-d5	49.02	40.93	83.5	40 - 110	
Phenol-d6	98.04	15.62	15.9	0 - 110	
Terphenyl-d14	49.02	47.95	97.8	50 - 135	
2,4,6-Tribromophenol	98.04	78.86	80.4	40 - 125	

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	0502805.D
Sampled:	05/02/12 15:45	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 19:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	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	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		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	0502805.D
Sampled:	05/02/12 15:45	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 19:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	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
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	39.24	80.1	50 - 110	X
2-Fluorophenol	98.04	29.01	29.6	20 - 110	
Nitrobenzene-d5	49.02	38.76	79.1	40 - 110	
Phenol-d6	98.04	15.74	16.1	0 - 110	
Terphenyl-d14	49.02	47.17	96.2	50 - 135	
2,4,6-Tribromophenol	98.04	73.02	74.5	40 - 125	

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	0502807.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 19:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	0502807.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 19:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	33.71	71.5	50 - 110	X
2-Fluorophenol	94.34	25.08	26.6	20 - 110	
Nitrobenzene-d5	47.17	33.55	71.1	40 - 110	
Phenol-d6	94.34	12.76	13.5	0 - 110	
Terphenyl-d14	47.17	42.54	90.2	50 - 135	
2,4,6-Tribromophenol	94.34	70.54	74.8	40 - 125	

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	0502809.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 20:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	0502809.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 20:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	31.25	66.9	50 - 110	X
2-Fluorophenol	93.46	22.59	24.2	20 - 110	
Nitrobenzene-d5	46.73	30.44	65.1	40 - 110	
Phenol-d6	93.46	12.36	13.2	0 - 110	
Terphenyl-d14	46.73	34.80	74.5	50 - 135	
2,4,6-Tribromophenol	93.46	58.24	62.3	40 - 125	

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	0502811.D
Sampled:	05/03/12 16:05	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	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	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		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	0502811.D
Sampled:	05/03/12 16:05	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	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
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	39.24	81.6	50 - 110	X
2-Fluorophenol	96.15	23.05	24.0	20 - 110	
Nitrobenzene-d5	48.08	38.58	80.2	40 - 110	
Phenol-d6	96.15	14.73	15.3	0 - 110	
Terphenyl-d14	48.08	43.83	91.2	50 - 135	
2,4,6-Tribromophenol	96.15	66.83	69.5	40 - 125	

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	0502813.D
Sampled:	05/03/12 11:26	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 20:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	N, Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	0502813.D
Sampled:	05/03/12 11:26	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 20:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	35.39	75.0	50 - 110	X
2-Fluorophenol	94.34	25.06	26.6	20 - 110	
Nitrobenzene-d5	47.17	33.32	70.6	40 - 110	
Phenol-d6	94.34	13.51	14.3	0 - 110	
Terphenyl-d14	47.17	44.72	94.8	50 - 135	
2,4,6-Tribromophenol	94.34	71.39	75.7	40 - 125	

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	0502815.D
Sampled:	05/03/12 13:58	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 22:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam	5.51	1.18	2.36	4.72	Q
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	0502815.D
Sampled:	05/03/12 13:58	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 22:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	38.11	80.8	50 - 110	X
2-Fluorophenol	94.34	27.72	29.4	20 - 110	
Nitrobenzene-d5	47.17	38.96	82.6	40 - 110	
Phenol-d6	94.34	15.08	16.0	0 - 110	
Terphenyl-d14	47.17	42.39	89.9	50 - 135	
2,4,6-Tribromophenol	94.34	76.73	81.3	40 - 125	

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	0502817.D
Sampled:	05/02/12 15:31	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 22:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	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	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		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	0502817.D
Sampled:	05/02/12 15:31	Prepared:	05/08/12 12:14	Analyzed:	05/09/12 22:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	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
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	38.82	80.7	50 - 110	X
2-Fluorophenol	96.15	27.71	28.8	20 - 110	
Nitrobenzene-d5	48.08	38.43	79.9	40 - 110	
Phenol-d6	96.15	15.19	15.8	0 - 110	
Terphenyl-d14	48.08	43.42	90.3	50 - 135	
2,4,6-Tribromophenol	96.15	76.55	79.6	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12911-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/04/12 08:50		
2-Fluorobiphenyl	50.00	101	80 - 120	7.658	7.658	0.0000	+/-0.500	
2-Fluorophenol	100.0	94.3	80 - 120	3.678	3.678	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	107	80 - 120	5.559	5.559	0.0000	+/-0.500	
Phenol-d6	100.0	99.8	80 - 120	4.586	4.586	0.0000	+/-0.500	
Terphenyl-d14	50.00	101	80 - 120	12.199	12.199	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	94.0	80 - 120	9.432	9.432	0.0000	+/-0.500	
Blank (2E01006-BLK1) ug/L				Lab File ID: E01006B2.D		Analyzed: 05/04/12 10:14		
2-Fluorobiphenyl	50.00	79.7	50 - 110	7.654	7.658	-0.0040	+/-0.500	
2-Fluorophenol	100.0	33.2	20 - 110	3.679	3.678	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	79.5	40 - 110	5.554	5.559	-0.0050	+/-0.500	
Phenol-d6	100.0	19.3	0 - 110	4.582	4.586	-0.0040	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.194	12.199	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	75.1	40 - 125	9.427	9.432	-0.0050	+/-0.500	
LCS (2E01006-BS1) ug/L				Lab File ID: E01006L1.D		Analyzed: 05/04/12 10:41		
2-Fluorobiphenyl	50.00	86.7	50 - 110	7.661	7.658	0.0030	+/-0.500	
2-Fluorophenol	100.0	38.1	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	87.5	40 - 110	5.556	5.559	-0.0030	+/-0.500	
Phenol-d6	100.0	22.4	0 - 110	4.584	4.586	-0.0020	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.197	12.199	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	86.0	40 - 125	9.429	9.432	-0.0030	+/-0.500	
LCS Dup (2E01006-BSD1) ug/L				Lab File ID: E01006L2.D		Analyzed: 05/04/12 11:09		
2-Fluorobiphenyl	50.00	76.4	50 - 110	7.655	7.658	-0.0030	+/-0.500	
2-Fluorophenol	100.0	31.8	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	76.1	40 - 110	5.556	5.559	-0.0030	+/-0.500	
Phenol-d6	100.0	19.5	0 - 110	4.584	4.586	-0.0020	+/-0.500	
Terphenyl-d14	50.00	98.6	50 - 135	12.196	12.199	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	77.5	40 - 125	9.429	9.432	-0.0030	+/-0.500	
GW0526 (1205009-01) ug/L				Lab File ID: 0500901.D		Analyzed: 05/04/12 15:20		
2-Fluorobiphenyl	48.08	83.2	50 - 110	7.656	7.658	-0.0020	+/-0.500	
2-Fluorophenol	96.15	26.9	20 - 110	3.682	3.678	0.0040	+/-0.500	
Nitrobenzene-d5	48.08	82.4	40 - 110	5.551	5.559	-0.0080	+/-0.500	
Phenol-d6	96.15	18.6	0 - 110	4.579	4.586	-0.0070	+/-0.500	
Terphenyl-d14	48.08	99.6	50 - 135	12.197	12.199	-0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	57.7	40 - 125	9.424	9.432	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0553 (1205009-03) ug/L				Lab File ID: 0500903.D		Analyzed: 05/04/12 15:48		
2-Fluorobiphenyl	47.17	84.2	50 - 110	7.656	7.658	-0.0020	+/-0.500	
2-Fluorophenol	94.34	33.6	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	47.17	84.0	40 - 110	5.551	5.559	-0.0080	+/-0.500	
Phenol-d6	94.34	20.5	0 - 110	4.578	4.586	-0.0080	+/-0.500	
Terphenyl-d14	47.17	101	50 - 135	12.196	12.199	-0.0030	+/-0.500	
2,4,6-Tribromophenol	94.34	72.0	40 - 125	9.429	9.432	-0.0030	+/-0.500	
GW0554 (1205009-05) ug/L				Lab File ID: 0500905.D		Analyzed: 05/04/12 16:16		
2-Fluorobiphenyl	47.17	80.0	50 - 110	7.657	7.658	-0.0010	+/-0.500	
2-Fluorophenol	94.34	32.1	20 - 110	3.682	3.678	0.0040	+/-0.500	
Nitrobenzene-d5	47.17	78.9	40 - 110	5.552	5.559	-0.0070	+/-0.500	
Phenol-d6	94.34	19.5	0 - 110	4.58	4.586	-0.0060	+/-0.500	
Terphenyl-d14	47.17	99.1	50 - 135	12.198	12.199	-0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	77.3	40 - 125	9.425	9.432	-0.0070	+/-0.500	
GW0602 (1205009-07) ug/L				Lab File ID: 0500907.D		Analyzed: 05/04/12 16:43		
2-Fluorobiphenyl	47.17	85.6	50 - 110	7.656	7.658	-0.0020	+/-0.500	
2-Fluorophenol	94.34	30.4	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	47.17	81.0	40 - 110	5.551	5.559	-0.0080	+/-0.500	
Phenol-d6	94.34	19.5	0 - 110	4.579	4.586	-0.0070	+/-0.500	
Terphenyl-d14	47.17	109	50 - 135	12.191	12.199	-0.0080	+/-0.500	
2,4,6-Tribromophenol	94.34	68.7	40 - 125	9.424	9.432	-0.0080	+/-0.500	
GW0617 (1205009-09) ug/L				Lab File ID: 0500909.D		Analyzed: 05/04/12 17:11		
2-Fluorobiphenyl	46.73	85.1	50 - 110	7.655	7.658	-0.0030	+/-0.500	
2-Fluorophenol	93.46	25.2	20 - 110	3.68	3.678	0.0020	+/-0.500	
Nitrobenzene-d5	46.73	81.9	40 - 110	5.55	5.559	-0.0090	+/-0.500	
Phenol-d6	93.46	17.6	0 - 110	4.578	4.586	-0.0080	+/-0.500	
Terphenyl-d14	46.73	104	50 - 135	12.196	12.199	-0.0030	+/-0.500	
2,4,6-Tribromophenol	93.46	53.8	40 - 125	9.423	9.432	-0.0090	+/-0.500	
GW0618 (1205009-11) ug/L				Lab File ID: 0500911.D		Analyzed: 05/04/12 17:38		
2-Fluorobiphenyl	50.00	70.6	50 - 110	7.655	7.658	-0.0030	+/-0.500	
2-Fluorophenol	100.0	25.4	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	67.7	40 - 110	5.551	5.559	-0.0080	+/-0.500	
Phenol-d6	100.0	15.9	0 - 110	4.578	4.586	-0.0080	+/-0.500	
Terphenyl-d14	50.00	96.9	50 - 135	12.196	12.199	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	69.1	40 - 125	9.424	9.432	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13010-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/08/12 13:22		
2-Fluorobiphenyl	50.00	115	80 - 120	7.778	7.778	0.0000	+/-0.500	
2-Fluorophenol	100.0	100	80 - 120	3.763	3.763	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	122	80 - 120	5.667	5.667	0.0000	+/-0.500	*
Phenol-d6	100.0	99.2	80 - 120	4.679	4.679	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	123	80 - 120	9.553	9.553	0.0000	+/-0.500	*
Blank (2E04003-BLK1) ug/L				Lab File ID: E04003B1.D		Analyzed: 05/08/12 14:17		
2-Fluorobiphenyl	50.00	74.3	50 - 110	7.774	7.778	-0.0040	+/-0.500	
2-Fluorophenol	100.0	31.2	20 - 110	3.766	3.763	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	81.5	40 - 110	5.668	5.667	0.0010	+/-0.500	
Phenol-d6	100.0	17.7	0 - 110	4.672	4.679	-0.0070	+/-0.500	
Terphenyl-d14	50.00	95.9	50 - 135	12.315	12.316	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	77.8	40 - 125	9.551	9.553	-0.0020	+/-0.500	
LCS (2E04003-BS1) ug/L				Lab File ID: E04003L1.D		Analyzed: 05/08/12 14:44		
2-Fluorobiphenyl	50.00	86.7	50 - 110	7.773	7.778	-0.0050	+/-0.500	
2-Fluorophenol	100.0	35.3	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	50.00	84.3	40 - 110	5.672	5.667	0.0050	+/-0.500	
Phenol-d6	100.0	20.3	0 - 110	4.675	4.679	-0.0040	+/-0.500	
Terphenyl-d14	50.00	94.5	50 - 135	12.317	12.316	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	86.4	40 - 125	9.558	9.553	0.0050	+/-0.500	
GW0525 (1205021-01) ug/L				Lab File ID: 0502101.D		Analyzed: 05/08/12 16:07		
2-Fluorobiphenyl	49.50	75.2	50 - 110	7.772	7.778	-0.0060	+/-0.500	
2-Fluorophenol	99.01	30.5	20 - 110	3.766	3.763	0.0030	+/-0.500	
Nitrobenzene-d5	49.50	81.5	40 - 110	5.671	5.667	0.0040	+/-0.500	
Phenol-d6	99.01	16.8	0 - 110	4.675	4.679	-0.0040	+/-0.500	
Terphenyl-d14	49.50	98.6	50 - 135	12.319	12.316	0.0030	+/-0.500	
2,4,6-Tribromophenol	99.01	78.7	40 - 125	9.553	9.553	0.0000	+/-0.500	
GW0538 (1205021-03) ug/L				Lab File ID: 0502103.D		Analyzed: 05/08/12 16:34		
2-Fluorobiphenyl	49.50	81.3	50 - 110	7.777	7.778	-0.0010	+/-0.500	
2-Fluorophenol	99.01	35.1	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	49.50	86.1	40 - 110	5.669	5.667	0.0020	+/-0.500	
Phenol-d6	99.01	18.3	0 - 110	4.674	4.679	-0.0050	+/-0.500	
Terphenyl-d14	49.50	99.8	50 - 135	12.319	12.316	0.0030	+/-0.500	
2,4,6-Tribromophenol	99.01	82.5	40 - 125	9.554	9.553	0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike (2E04003-MS1) ug/L				Lab File ID: 0502103M.D		Analyzed: 05/08/12 17:02		
2-Fluorobiphenyl	49.50	80.2	50 - 110	7.779	7.778	0.0010	+/-0.500	
2-Fluorophenol	99.01	33.0	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	49.50	80.0	40 - 110	5.671	5.667	0.0040	+/-0.500	
Phenol-d6	99.01	18.6	0 - 110	4.674	4.679	-0.0050	+/-0.500	
Terphenyl-d14	49.50	96.1	50 - 135	12.32	12.316	0.0040	+/-0.500	
2,4,6-Tribromophenol	99.01	86.5	40 - 125	9.556	9.553	0.0030	+/-0.500	
Matrix Spike Dup (2E04003-MSD1) ug/L				Lab File ID: 0502103S.D		Analyzed: 05/08/12 17:29		
2-Fluorobiphenyl	49.50	89.7	50 - 110	7.778	7.778	0.0000	+/-0.500	
2-Fluorophenol	99.01	35.9	20 - 110	3.766	3.763	0.0030	+/-0.500	
Nitrobenzene-d5	49.50	89.7	40 - 110	5.67	5.667	0.0030	+/-0.500	
Phenol-d6	99.01	20.8	0 - 110	4.682	4.679	0.0030	+/-0.500	
Terphenyl-d14	49.50	96.9	50 - 135	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	99.01	91.7	40 - 125	9.553	9.553	0.0000	+/-0.500	
GW0539 (1205021-05) ug/L				Lab File ID: 0502105.D		Analyzed: 05/08/12 17:57		
2-Fluorobiphenyl	48.54	75.5	50 - 110	7.778	7.778	0.0000	+/-0.500	
2-Fluorophenol	97.09	29.4	20 - 110	3.767	3.763	0.0040	+/-0.500	
Nitrobenzene-d5	48.54	76.6	40 - 110	5.67	5.667	0.0030	+/-0.500	
Phenol-d6	97.09	16.5	0 - 110	4.674	4.679	-0.0050	+/-0.500	
Terphenyl-d14	48.54	104	50 - 135	12.319	12.316	0.0030	+/-0.500	
2,4,6-Tribromophenol	97.09	81.1	40 - 125	9.554	9.553	0.0010	+/-0.500	
GW0561 (1205021-07) ug/L				Lab File ID: 0502107.D		Analyzed: 05/08/12 18:24		
2-Fluorobiphenyl	50.00	73.9	50 - 110	7.773	7.778	-0.0050	+/-0.500	
2-Fluorophenol	100.0	28.9	20 - 110	3.768	3.763	0.0050	+/-0.500	
Nitrobenzene-d5	50.00	80.8	40 - 110	5.662	5.667	-0.0050	+/-0.500	
Phenol-d6	100.0	16.7	0 - 110	4.675	4.679	-0.0040	+/-0.500	
Terphenyl-d14	50.00	92.2	50 - 135	12.318	12.316	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	76.0	40 - 125	9.553	9.553	0.0000	+/-0.500	
GW0601 (1205021-09) ug/L				Lab File ID: 0502109.D		Analyzed: 05/08/12 18:51		
2-Fluorobiphenyl	49.02	69.8	50 - 110	7.782	7.778	0.0040	+/-0.500	
2-Fluorophenol	98.04	27.7	20 - 110	3.78	3.763	0.0170	+/-0.500	
Nitrobenzene-d5	49.02	79.8	40 - 110	5.666	5.667	-0.0010	+/-0.500	
Phenol-d6	98.04	15.4	0 - 110	4.679	4.679	0.0000	+/-0.500	
Terphenyl-d14	49.02	88.4	50 - 135	12.314	12.316	-0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	83.8	40 - 125	9.553	9.553	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13107-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/09/12 16:25		
2-Fluorobiphenyl	50.00	120	80 - 120	7.779	7.779	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	118	80 - 120	5.671	5.671	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	4.683	4.683	0.0000	+/-0.500	
Terphenyl-d14	50.00	112	80 - 120	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	111	80 - 120	9.555	9.555	0.0000	+/-0.500	
Blank (2E08006-BLK1) ug/L				Lab File ID: E08006B1.D		Analyzed: 05/09/12 17:20		
2-Fluorobiphenyl	50.00	83.5	50 - 110	7.777	7.779	-0.0020	+/-0.500	
2-Fluorophenol	100.0	35.1	20 - 110	3.771	3.767	0.0040	+/-0.500	
Nitrobenzene-d5	50.00	82.3	40 - 110	5.672	5.671	0.0010	+/-0.500	
Phenol-d6	100.0	18.2	0 - 110	4.677	4.683	-0.0060	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	12.322	12.316	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	79.5	40 - 125	9.553	9.555	-0.0020	+/-0.500	
LCS (2E08006-BS1) ug/L				Lab File ID: E08006L1.D		Analyzed: 05/09/12 17:47		
2-Fluorobiphenyl	50.00	88.3	50 - 110	7.779	7.779	0.0000	+/-0.500	
2-Fluorophenol	100.0	35.5	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	85.8	40 - 110	5.671	5.671	0.0000	+/-0.500	
Phenol-d6	100.0	18.8	0 - 110	4.674	4.683	-0.0090	+/-0.500	
Terphenyl-d14	50.00	99.1	50 - 135	12.321	12.316	0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	94.7	40 - 125	9.554	9.555	-0.0010	+/-0.500	
GW0507 (1205028-01) ug/L				Lab File ID: 0502801.D		Analyzed: 05/09/12 18:14		
2-Fluorobiphenyl	47.17	84.7	50 - 110	7.774	7.779	-0.0050	+/-0.500	
2-Fluorophenol	94.34	27.9	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	87.5	40 - 110	5.668	5.671	-0.0030	+/-0.500	
Phenol-d6	94.34	16.1	0 - 110	4.674	4.683	-0.0090	+/-0.500	
Terphenyl-d14	47.17	101	50 - 135	12.32	12.316	0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	71.8	40 - 125	9.55	9.555	-0.0050	+/-0.500	
GW0524 (1205028-03) ug/L				Lab File ID: 0502803.D		Analyzed: 05/09/12 18:42		
2-Fluorobiphenyl	49.02	81.0	50 - 110	7.775	7.779	-0.0040	+/-0.500	
2-Fluorophenol	98.04	31.0	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	83.5	40 - 110	5.668	5.671	-0.0030	+/-0.500	
Phenol-d6	98.04	15.9	0 - 110	4.674	4.683	-0.0090	+/-0.500	
Terphenyl-d14	49.02	97.8	50 - 135	12.313	12.316	-0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	80.4	40 - 125	9.55	9.555	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0537 (1205028-05) ug/L				Lab File ID: 0502805.D		Analyzed: 05/09/12 19:09		
2-Fluorobiphenyl	49.02	80.1	50 - 110	7.774	7.779	-0.0050	+/-0.500	
2-Fluorophenol	98.04	29.6	20 - 110	3.766	3.767	-0.0010	+/-0.500	
Nitrobenzene-d5	49.02	79.1	40 - 110	5.667	5.671	-0.0040	+/-0.500	
Phenol-d6	98.04	16.1	0 - 110	4.673	4.683	-0.0100	+/-0.500	
Terphenyl-d14	49.02	96.2	50 - 135	12.32	12.316	0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	74.5	40 - 125	9.548	9.555	-0.0070	+/-0.500	
GW0555 (1205028-07) ug/L				Lab File ID: 0502807.D		Analyzed: 05/09/12 19:36		
2-Fluorobiphenyl	47.17	71.5	50 - 110	7.773	7.779	-0.0060	+/-0.500	
2-Fluorophenol	94.34	26.6	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	71.1	40 - 110	5.668	5.671	-0.0030	+/-0.500	
Phenol-d6	94.34	13.5	0 - 110	4.674	4.683	-0.0090	+/-0.500	
Terphenyl-d14	47.17	90.2	50 - 135	12.317	12.316	0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	74.8	40 - 125	9.555	9.555	0.0000	+/-0.500	
GW0556 (1205028-09) ug/L				Lab File ID: 0502809.D		Analyzed: 05/09/12 20:03		
2-Fluorobiphenyl	46.73	66.9	50 - 110	7.773	7.779	-0.0060	+/-0.500	
2-Fluorophenol	93.46	24.2	20 - 110	3.766	3.767	-0.0010	+/-0.500	
Nitrobenzene-d5	46.73	65.1	40 - 110	5.668	5.671	-0.0030	+/-0.500	
Phenol-d6	93.46	13.2	0 - 110	4.673	4.683	-0.0100	+/-0.500	
Terphenyl-d14	46.73	74.5	50 - 135	12.32	12.316	0.0040	+/-0.500	
2,4,6-Tribromophenol	93.46	62.3	40 - 125	9.547	9.555	-0.0080	+/-0.500	
GW0580 (1205028-11) ug/L				Lab File ID: 0502811.D		Analyzed: 05/09/12 20:31		
2-Fluorobiphenyl	48.08	81.6	50 - 110	7.776	7.779	-0.0030	+/-0.500	
2-Fluorophenol	96.15	24.0	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	80.2	40 - 110	5.662	5.671	-0.0090	+/-0.500	
Phenol-d6	96.15	15.3	0 - 110	4.675	4.683	-0.0080	+/-0.500	
Terphenyl-d14	48.08	91.2	50 - 135	12.318	12.316	0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	69.5	40 - 125	9.553	9.555	-0.0020	+/-0.500	
GW0581 (1205028-13) ug/L				Lab File ID: 0502813.D		Analyzed: 05/09/12 20:58		
2-Fluorobiphenyl	47.17	75.0	50 - 110	7.776	7.779	-0.0030	+/-0.500	
2-Fluorophenol	94.34	26.6	20 - 110	3.768	3.767	0.0010	+/-0.500	
Nitrobenzene-d5	47.17	70.6	40 - 110	5.669	5.671	-0.0020	+/-0.500	
Phenol-d6	94.34	14.3	0 - 110	4.675	4.683	-0.0080	+/-0.500	
Terphenyl-d14	47.17	94.8	50 - 135	12.314	12.316	-0.0020	+/-0.500	
2,4,6-Tribromophenol	94.34	75.7	40 - 125	9.552	9.555	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike (2E08006-MS1) ug/L				Lab File ID: 0502813M.D		Analyzed: 05/09/12 21:25		
2-Fluorobiphenyl	48.08	87.1	50 - 110	7.779	7.779	0.0000	+/-0.500	
2-Fluorophenol	96.15	32.2	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	86.2	40 - 110	5.662	5.671	-0.0090	+/-0.500	
Phenol-d6	96.15	16.6	0 - 110	4.675	4.683	-0.0080	+/-0.500	
Terphenyl-d14	48.08	101	50 - 135	12.314	12.316	-0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	90.3	40 - 125	9.556	9.555	0.0010	+/-0.500	
Matrix Spike Dup (2E08006-MSD1) ug/L				Lab File ID: 0502813S.D		Analyzed: 05/09/12 21:52		
2-Fluorobiphenyl	47.17	79.0	50 - 110	7.78	7.779	0.0010	+/-0.500	
2-Fluorophenol	94.34	31.7	20 - 110	3.766	3.767	-0.0010	+/-0.500	
Nitrobenzene-d5	47.17	80.8	40 - 110	5.67	5.671	-0.0010	+/-0.500	
Phenol-d6	94.34	16.7	0 - 110	4.674	4.683	-0.0090	+/-0.500	
Terphenyl-d14	47.17	94.5	50 - 135	12.314	12.316	-0.0020	+/-0.500	
2,4,6-Tribromophenol	94.34	89.9	40 - 125	9.548	9.555	-0.0070	+/-0.500	
GW0582 (1205028-15) ug/L				Lab File ID: 0502815.D		Analyzed: 05/09/12 22:19		
2-Fluorobiphenyl	47.17	80.8	50 - 110	7.771	7.779	-0.0080	+/-0.500	
2-Fluorophenol	94.34	29.4	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	82.6	40 - 110	5.661	5.671	-0.0100	+/-0.500	
Phenol-d6	94.34	16.0	0 - 110	4.675	4.683	-0.0080	+/-0.500	
Terphenyl-d14	47.17	89.9	50 - 135	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	94.34	81.3	40 - 125	9.55	9.555	-0.0050	+/-0.500	
GW0616 (1205028-17) ug/L				Lab File ID: 0502817.D		Analyzed: 05/09/12 22:46		
2-Fluorobiphenyl	48.08	80.7	50 - 110	7.777	7.779	-0.0020	+/-0.500	
2-Fluorophenol	96.15	28.8	20 - 110	3.767	3.767	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	79.9	40 - 110	5.669	5.671	-0.0020	+/-0.500	
Phenol-d6	96.15	15.8	0 - 110	4.674	4.683	-0.0090	+/-0.500	
Terphenyl-d14	48.08	90.3	50 - 135	12.318	12.316	0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	79.6	40 - 125	9.553	9.555	-0.0020	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	41.24	84.2	45 - 110
Acenaphthylene	49.00	42.55	86.8	50 - 105
Acetophenone	50.00	41.66	83.3	50 - 110
Anthracene	49.00	45.40	92.6	55 - 110
Atrazine	50.00	47.58	95.2	70 - 115
Benzaldehyde	50.00	42.99	86.0	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	47.87	97.7	55 - 110
Benzo(a)pyrene	49.00	47.06	96.0	55 - 110
Benzo(b)fluoranthene	49.00	50.52	103	45 - 120
Benzo(g,h,i)perylene	49.00	46.93	95.8	40 - 125
Benzoic acid	100.0	20.38	20.4	0 - 125
Benzo(k)fluoranthene	49.00	43.22	88.2	45 - 125
1,1-Biphenyl	50.00	44.22	88.4	50 - 110
4-Bromophenyl-phenylether	49.00	45.12	92.1	50 - 115
Butylbenzylphthalate	**49.00**	**60.68**	**124**	**45 - 115**
Caprolactam	50.00	10.22	20.4	20 - 110
Carbazole	47.00	43.59	92.8	50 - 115
4-Chloro-3-methylphenol	100.0	77.41	77.4	45 - 110
4-Chloroaniline	47.00	36.41	77.5	15 - 110
Bis(2-chloroethoxy)methane	49.00	47.06	96.0	45 - 105
Bis(2-chloroethyl)ether	49.00	43.69	89.2	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	50.14	102	25 - 130
2-Chloronaphthalene	49.00	40.71	83.1	50 - 105
2-Chlorophenol	100.0	70.04	70.0	35 - 105
4-Chlorophenyl phenyl ether	49.00	41.96	85.6	50 - 110
Chrysene	49.00	48.12	98.2	55 - 110
Dibenz(a,h)anthracene	49.00	48.12	98.2	40 - 125
Dibenzofuran	49.00	42.51	86.8	55 - 105
Di-n-butylphthalate	49.00	51.63	105	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-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	49.86	99.7	20 - 110
2,4-Dichlorophenol	100.0	78.85	78.9	40 - 110
Diethylphthalate	49.00	46.78	95.5	40 - 120
2,4-Dimethylphenol	100.0	75.45	75.4	30 - 110
Dimethyl phthalate	49.00	45.76	93.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	103.1	103	40 - 130
2,4-Dinitrophenol	100.0	87.48	87.5	15 - 140
2,4-Dinitrotoluene	49.00	50.07	102	50 - 120
2,6-Dinitrotoluene	49.00	45.61	93.1	50 - 115
Di-n-octylphthalate	49.00	58.38	119	35 - 135
1,2-Diphenylhydrazine	47.00	45.58	97.0	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	59.78	122	40 - 125
Fluoranthene	49.00	45.79	93.5	55 - 115
Fluorene	49.00	43.27	88.3	50 - 110
Hexachlorobenzene	49.00	41.96	85.6	50 - 110
Hexachlorobutadiene	49.00	31.27	63.8	25 - 105
Hexachlorocyclopentadiene	49.00	32.69	66.7	10 - 110
Hexachloroethane	49.00	30.28	61.8	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	48.48	98.9	45 - 125
Isophorone	49.00	40.12	81.9	50 - 110
1-Methylnaphthalene	50.00	40.15	80.3	30 - 115
2-Methylnaphthalene	49.00	38.48	78.5	45 - 105
2-Methylphenol	100.0	56.46	56.5	40 - 110
3-Methylphenol/4-Methylphenol	100.0	50.75	50.7	30 - 110
Naphthalene	49.00	38.29	78.2	40 - 100
4-Nitroaniline	47.00	47.34	101	35 - 120
3-Nitroaniline	47.00	41.18	87.6	20 - 125
2-Nitroaniline	47.00	51.75	110	50 - 115
Nitrobenzene	49.00	39.88	81.4	30 - 110
4-Nitrophenol	100.0	29.27	29.3	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	90.01	90.0	40 - 115
N-Nitrosodiphenylamine	49.00	38.57	78.7	50 - 110
N-Nitroso-di-n-propylamine	49.00	44.11	90.0	35 - 130
Pentachlorophenol	100.0	90.60	90.6	40 - 115
Phenanthrene	49.00	45.58	93.0	50 - 115
Phenol	100.0	24.44	24.4	0 - 115
Pyrene	49.00	48.11	98.2	50 - 130
2,4,6-Trichlorophenol	100.0	90.03	90.0	50 - 115
2,4,5-Trichlorophenol	100.0	92.81	92.8	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	38.43	78.4	7.04	30	45 - 110
Acenaphthylene	49.00	39.26	80.1	8.07	30	50 - 105
Acetophenone	50.00	37.70	75.4	9.97	30	50 - 110
Anthracene	49.00	43.61	89.0	4.02	30	55 - 110
Atrazine	50.00	45.85	91.7	3.71	30	70 - 115
Benzaldehyde	50.00	38.67	77.3	10.6	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	49.00	46.27	94.4	3.38	30	55 - 110
Benzo(a)pyrene	49.00	45.31	92.5	3.80	30	55 - 110
Benzo(b)fluoranthene	49.00	47.69	97.3	5.77	30	45 - 120
Benzo(g,h,i)perylene	49.00	45.55	93.0	2.98	30	40 - 125
Benzoic acid	100.0	19.86	19.9	2.58	30	0 - 125
Benzo(k)fluoranthene	49.00	43.44	88.6	0.497	30	45 - 125
1,1-Biphenyl	50.00	40.73	81.5	8.22	30	50 - 110
4-Bromophenyl-phenylether	49.00	43.58	88.9	3.47	30	50 - 115
Butylbenzylphthalate	**49.00**	**57.19**	**117 ***	**5.92**	**30**	**45 - 115**
Caprolactam	50.00	10.18	20.4	0.311	30	20 - 110
Carbazole	47.00	42.00	89.4	3.73	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	100.0	71.16	71.2	8.41	30	45 - 110
4-Chloroaniline	47.00	32.63	69.4	11.0	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	41.48	84.7	12.6	30	45 - 105
Bis(2-chloroethyl)ether	49.00	38.91	79.4	11.6	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	44.94	91.7	10.9	30	25 - 130
2-Chloronaphthalene	49.00	36.99	75.5	9.57	30	50 - 105
2-Chlorophenol	100.0	60.33	60.3	14.9	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	39.55	80.7	5.91	30	50 - 110
Chrysene	49.00	46.10	94.1	4.29	30	55 - 110
Dibenz(a,h)anthracene	49.00	46.56	95.0	3.30	30	40 - 125
Dibenzofuran	49.00	39.25	80.1	7.99	30	55 - 105
Di-n-butylphthalate	49.00	49.47	101	4.27	30	55 - 115
3,3'-Dichlorobenzidine	50.00	48.43	96.9	2.92	30	20 - 110
2,4-Dichlorophenol	100.0	67.39	67.4	15.7	30	40 - 110
Diethylphthalate	49.00	45.22	92.3	3.40	30	40 - 120
2,4-Dimethylphenol	100.0	66.42	66.4	12.7	30	30 - 110
Dimethyl phthalate	49.00	43.91	89.6	4.11	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	86.08	86.1	18.0	30	40 - 130
2,4-Dinitrophenol	100.0	72.47	72.5	18.8	30	15 - 140
2,4-Dinitrotoluene	49.00	47.79	97.5	4.65	30	50 - 120
2,6-Dinitrotoluene	49.00	44.39	90.6	2.72	30	50 - 115
Di-n-octylphthalate	49.00	56.74	116	2.86	30	35 - 135
1,2-Diphenylhydrazine	47.00	43.15	91.8	5.47	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	56.30	115	6.00	30	40 - 125
Fluoranthene	49.00	43.61	89.0	4.88	30	55 - 115
Fluorene	49.00	41.06	83.8	5.25	30	50 - 110
Hexachlorobenzene	49.00	40.50	82.7	3.53	30	50 - 110
Hexachlorobutadiene	49.00	27.79	56.7	11.8	30	25 - 105
Hexachlorocyclopentadiene	49.00	27.98	57.1	15.5	30	10 - 110
Hexachloroethane	49.00	26.90	54.9	11.8	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	49.00	46.92	95.7	3.28	30	45 - 125
Isophorone	49.00	35.77	73.0	11.4	30	50 - 110
1-Methylnaphthalene	50.00	35.26	70.5	13.0	30	30 - 115
2-Methylnaphthalene	49.00	34.00	69.4	12.4	30	45 - 105
2-Methylphenol	100.0	50.48	50.5	11.2	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	45.70	45.7	10.5	30	30 - 110
Naphthalene	49.00	33.67	68.7	12.9	30	40 - 100
4-Nitroaniline	47.00	45.35	96.5	4.29	30	35 - 120
3-Nitroaniline	47.00	39.05	83.1	5.30	30	20 - 125
2-Nitroaniline	47.00	48.13	102	7.24	30	50 - 115
Nitrobenzene	49.00	35.41	72.3	11.9	30	30 - 110
4-Nitrophenol	100.0	25.51	25.5	13.7	30	0 - 125
2-Nitrophenol	100.0	76.89	76.9	15.7	30	40 - 115
N-Nitrosodiphenylamine	49.00	37.29	76.1	3.37	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	39.04	79.7	12.2	30	35 - 130
Pentachlorophenol	100.0	77.35	77.4	15.8	30	40 - 115
Phenanthrene	49.00	43.70	89.2	4.22	30	50 - 115
Phenol	100.0	22.66	22.7	7.58	30	0 - 115
Pyrene	49.00	45.71	93.3	5.13	30	50 - 130
2,4,6-Trichlorophenol	100.0	75.61	75.6	17.4	30	50 - 115
2,4,5-Trichlorophenol	100.0	81.87	81.9	12.5	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E04003	Laboratory ID:	2E04003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	35.38	72.2	45 - 110
Acenaphthylene	49.00	37.10	75.7	50 - 105
Acetophenone	50.00	45.16	90.3	50 - 110
Anthracene	49.00	41.17	84.0	55 - 110
Atrazine	50.00	43.28	86.6	70 - 115
Benzaldehyde	50.00	45.06	90.1	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	44.30	90.4	55 - 110
Benzo(a)pyrene	49.00	42.12	86.0	55 - 110
Benzo(b)fluoranthene	49.00	41.59	84.9	45 - 120
Benzo(g,h,i)perylene	49.00	45.97	93.8	40 - 125
Benzoic acid	100.0	23.02	23.0	0 - 125
Benzo(k)fluoranthene	49.00	47.07	96.1	45 - 125
1,1-Biphenyl	50.00	45.06	90.1	50 - 110
4-Bromophenyl-phenylether	49.00	44.88	91.6	50 - 115
Butylbenzylphthalate	49.00	43.88	89.5	45 - 115
Caprolactam	**50.00**	**8.072**	**16.1**	**20 - 110**
Carbazole	47.00	39.60	84.3	50 - 115
4-Chloro-3-methylphenol	100.0	74.63	74.6	45 - 110
4-Chloroaniline	47.00	34.01	72.4	15 - 110
Bis(2-chloroethoxy)methane	49.00	45.24	92.3	45 - 105
Bis(2-chloroethyl)ether	49.00	40.52	82.7	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	42.17	86.1	25 - 130
2-Chloronaphthalene	49.00	35.57	72.6	50 - 105
2-Chlorophenol	100.0	64.22	64.2	35 - 105
4-Chlorophenyl phenyl ether	49.00	40.92	83.5	50 - 110
Chrysene	49.00	46.29	94.5	55 - 110
Dibenz(a,h)anthracene	49.00	45.65	93.2	40 - 125
Dibenzofuran	49.00	40.47	82.6	55 - 105
Di-n-butylphthalate	49.00	44.48	90.8	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E04003	Laboratory ID:	2E04003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	41.85	83.7	20 - 110
2,4-Dichlorophenol	100.0	78.07	78.1	40 - 110
Diethylphthalate	49.00	45.87	93.6	40 - 120
2,4-Dimethylphenol	100.0	78.92	78.9	30 - 110
Dimethyl phthalate	49.00	46.24	94.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	92.22	92.2	40 - 130
2,4-Dinitrophenol	100.0	87.39	87.4	15 - 140
2,4-Dinitrotoluene	49.00	44.35	90.5	50 - 120
2,6-Dinitrotoluene	49.00	43.96	89.7	50 - 115
Di-n-octylphthalate	49.00	40.81	83.3	35 - 135
1,2-Diphenylhydrazine	47.00	38.40	81.7	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	43.64	89.1	40 - 125
Fluoranthene	49.00	44.74	91.3	55 - 115
Fluorene	49.00	39.72	81.1	50 - 110
Hexachlorobenzene	49.00	44.09	90.0	50 - 110
Hexachlorobutadiene	49.00	31.13	63.5	25 - 105
Hexachlorocyclopentadiene	49.00	25.72	52.5	10 - 110
Hexachloroethane	49.00	27.99	57.1	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	45.55	93.0	45 - 125
Isophorone	49.00	38.16	77.9	50 - 110
1-Methylnaphthalene	50.00	34.95	69.9	30 - 115
2-Methylnaphthalene	49.00	32.63	66.6	45 - 105
2-Methylphenol	100.0	52.80	52.8	40 - 110
3-Methylphenol/4-Methylphenol	100.0	49.61	49.6	30 - 110
Naphthalene	49.00	35.66	72.8	40 - 100
4-Nitroaniline	47.00	40.20	85.5	35 - 120
3-Nitroaniline	47.00	35.06	74.6	20 - 125
2-Nitroaniline	47.00	46.36	98.6	50 - 115
Nitrobenzene	49.00	41.71	85.1	30 - 110
4-Nitrophenol	100.0	26.65	26.7	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E04003	Laboratory ID:	2E04003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	86.60	86.6	40 - 115
N-Nitrosodiphenylamine	49.00	32.81	67.0	50 - 110
N-Nitroso-di-n-propylamine	49.00	43.76	89.3	35 - 130
Pentachlorophenol	100.0	95.02	95.0	40 - 115
Phenanthrene	49.00	43.90	89.6	50 - 115
Phenol	100.0	23.35	23.3	0 - 115
Pyrene	49.00	41.57	84.8	50 - 130
2,4,6-Trichlorophenol	100.0	87.35	87.4	50 - 115
2,4,5-Trichlorophenol	100.0	88.52	88.5	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08006	Laboratory ID:	2E08006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	49.00	45.91	93.7	45 - 110
Acenaphthylene	49.00	44.00	89.8	50 - 105
Acetophenone	50.00	46.78	93.6	50 - 110
Anthracene	49.00	48.72	99.4	55 - 110
Atrazine	50.00	48.88	97.8	70 - 115
Benzaldehyde	50.00	44.30	88.6	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	47.27	96.5	55 - 110
Benzo(a)pyrene	49.00	44.94	91.7	55 - 110
Benzo(b)fluoranthene	49.00	44.89	91.6	45 - 120
Benzo(g,h,i)perylene	49.00	49.76	102	40 - 125
Benzoic acid	100.0	17.83	17.8	0 - 125
Benzo(k)fluoranthene	49.00	51.31	105	45 - 125
1,1-Biphenyl	50.00	49.06	98.1	50 - 110
4-Bromophenyl-phenylether	49.00	51.41	105	50 - 115
Butylbenzylphthalate	49.00	46.47	94.8	45 - 115
Caprolactam	**50.00**	**7.135**	**14.3**	**20 - 110**
Carbazole	47.00	45.94	97.7	50 - 115
4-Chloro-3-methylphenol	100.0	84.36	84.4	45 - 110
4-Chloroaniline	47.00	35.62	75.8	15 - 110
Bis(2-chloroethoxy)methane	49.00	45.79	93.4	45 - 105
Bis(2-chloroethyl)ether	49.00	40.98	83.6	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	43.61	89.0	25 - 130
2-Chloronaphthalene	49.00	43.83	89.4	50 - 105
2-Chlorophenol	100.0	70.88	70.9	35 - 105
4-Chlorophenyl phenyl ether	49.00	48.00	98.0	50 - 110
Chrysene	49.00	48.43	98.8	55 - 110
Dibenz(a,h)anthracene	49.00	49.15	100	40 - 125
Dibenzofuran	49.00	46.87	95.7	55 - 105
Di-n-butylphthalate	49.00	49.52	101	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08006	Laboratory ID:	2E08006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	45.68	91.4	20 - 110
2,4-Dichlorophenol	100.0	84.88	84.9	40 - 110
Diethylphthalate	49.00	48.99	100	40 - 120
2,4-Dimethylphenol	100.0	88.64	88.6	30 - 110
Dimethyl phthalate	49.00	49.45	101	25 - 125
4,6-Dinitro-2-methylphenol	100.0	103.7	104	40 - 130
2,4-Dinitrophenol	100.0	98.01	98.0	15 - 140
2,4-Dinitrotoluene	49.00	50.82	104	50 - 120
2,6-Dinitrotoluene	49.00	47.50	96.9	50 - 115
Di-n-octylphthalate	49.00	44.77	91.4	35 - 135
1,2-Diphenylhydrazine	47.00	45.23	96.2	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	46.70	95.3	40 - 125
Fluoranthene	49.00	50.19	102	55 - 115
Fluorene	49.00	46.03	93.9	50 - 110
Hexachlorobenzene	49.00	48.92	99.8	50 - 110
Hexachlorobutadiene	49.00	40.08	81.8	25 - 105
Hexachlorocyclopentadiene	49.00	37.94	77.4	10 - 110
Hexachloroethane	49.00	31.78	64.9	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	49.21	100	45 - 125
Isophorone	49.00	39.55	80.7	50 - 110
1-Methylnaphthalene	50.00	41.85	83.7	30 - 115
2-Methylnaphthalene	49.00	40.69	83.0	45 - 105
2-Methylphenol	100.0	57.97	58.0	40 - 110
3-Methylphenol/4-Methylphenol	100.0	55.35	55.4	30 - 110
Naphthalene	49.00	39.53	80.7	40 - 100
4-Nitroaniline	47.00	46.50	98.9	35 - 120
3-Nitroaniline	47.00	39.21	83.4	20 - 125
2-Nitroaniline	47.00	49.91	106	50 - 115
Nitrobenzene	49.00	42.26	86.3	30 - 110
4-Nitrophenol	100.0	29.83	29.8	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08006	Laboratory ID:	2E08006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	91.05	91.1	40 - 115
N-Nitrosodiphenylamine	49.00	39.44	80.5	50 - 110
N-Nitroso-di-n-propylamine	49.00	45.01	91.9	35 - 130
Pentachlorophenol	100.0	107.7	108	40 - 115
Phenanthrene	49.00	50.75	104	50 - 115
Phenol	100.0	22.64	22.6	0 - 115
Pyrene	49.00	46.31	94.5	50 - 130
2,4,6-Trichlorophenol	100.0	102.0	102	50 - 115
2,4,5-Trichlorophenol	100.0	104.2	104	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04003

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	48.51	ND	36.72	75.7		45 - 110
Acenaphthylene	48.51	ND	37.63	77.6		50 - 105
Acetophenone	49.50	ND	44.42	89.7		50 - 110
Anthracene	48.51	ND	42.44	87.5		55 - 110
Atrazine	49.50	ND	43.27	87.4		70 - 115
Benzaldehyde	49.50	ND	42.81	86.5		10 - 180
Benzidine	49.50	ND	49.5 U	0		0 - 200
Benzo(a)anthracene	48.51	ND	44.08	90.9		55 - 110
Benzo(a)pyrene	48.51	ND	41.94	86.4		55 - 110
Benzo(b)fluoranthene	48.51	ND	42.36	87.3		45 - 120
Benzo(g,h,i)perylene	48.51	ND	46.86	96.6		40 - 125
Benzoic acid	99.01	ND	20.56	20.8		0 - 125
Benzo(k)fluoranthene	48.51	ND	47.56	98.0		45 - 125
1,1-Biphenyl	49.50	ND	45.27	91.4		50 - 110
4-Bromophenyl-phenylether	48.51	ND	46.44	95.7		50 - 115
Butylbenzylphthalate	48.51	ND	43.51	89.7		45 - 115
Caprolactam	49.50	ND	8.018	16.2	*	20 - 110
Carbazole	46.53	ND	41.24	88.6		50 - 115
4-Chloro-3-methylphenol	99.01	ND	72.42	73.1		45 - 110
4-Chloroaniline	46.53	ND	33.11	71.2		15 - 110
Bis(2-chloroethoxy)methane	48.51	ND	42.77	88.2		45 - 105
Bis(2-chloroethyl)ether	48.51	ND	39.27	81.0		35 - 110
2,2'-Oxybis-1-chloropropane	48.51	ND	42.37	87.3		25 - 130
2-Chloronaphthalene	48.51	ND	35.97	74.1		50 - 105
2-Chlorophenol	99.01	ND	62.65	63.3		35 - 105
4-Chlorophenyl phenyl ether	48.51	ND	41.26	85.0		50 - 110
Chrysene	48.51	ND	46.05	94.9		55 - 110
Dibenz(a,h)anthracene	48.51	ND	46.09	95.0		40 - 125
Dibenzofuran	48.51	ND	40.58	83.6		55 - 105
Di-n-butylphthalate	48.51	ND	45.25	93.3		55 - 115
3,3'-Dichlorobenzidine	49.50	ND	41.76	84.4		20 - 110
2,4-Dichlorophenol	99.01	ND	77.49	78.3		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04003

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	48.51	ND	44.27	91.2		40 - 120
2,4-Dimethylphenol	99.01	ND	74.75	75.5		30 - 110
Dimethyl phthalate	48.51	ND	43.11	88.9		25 - 125
4,6-Dinitro-2-methylphenol	99.01	ND	88.61	89.5		40 - 130
2,4-Dinitrophenol	99.01	ND	81.74	82.6		15 - 140
2,4-Dinitrotoluene	48.51	ND	44.37	91.5		50 - 120
2,6-Dinitrotoluene	48.51	ND	40.55	83.6		50 - 115
Di-n-octylphthalate	48.51	ND	41.37	85.3		35 - 135
1,2-Diphenylhydrazine	46.53	ND	42.08	90.4		55 - 115
Bis(2-ethylhexyl)phthalate	48.51	ND	44.20	91.1		40 - 125
Fluoranthene	48.51	ND	45.12	93.0		55 - 115
Fluorene	48.51	ND	40.80	84.1		50 - 110
Hexachlorobenzene	48.51	ND	44.72	92.2		50 - 110
Hexachlorobutadiene	48.51	ND	33.24	68.5		25 - 105
Hexachlorocyclopentadiene	48.51	ND	29.03	59.8		10 - 110
Hexachloroethane	48.51	ND	28.95	59.7		30 - 95
Indeno(1,2,3-cd)pyrene	48.51	ND	45.88	94.6		45 - 125
Isophorone	48.51	ND	36.01	74.2		50 - 110
1-Methylnaphthalene	49.50	ND	36.98	74.7		30 - 115
2-Methylnaphthalene	48.51	ND	35.13	72.4		45 - 105
2-Methylphenol	99.01	ND	51.20	51.7		40 - 110
3-Methylphenol/4-Methylphenol	99.01	ND	48.51	49.0		30 - 110
Naphthalene	48.51	ND	35.36	72.9		40 - 100
4-Nitroaniline	46.53	ND	40.66	87.4		35 - 120
3-Nitroaniline	46.53	ND	34.07	73.2		20 - 125
2-Nitroaniline	46.53	ND	43.65	93.8		50 - 115
Nitrobenzene	48.51	ND	39.37	81.1		30 - 110
4-Nitrophenol	99.01	ND	26.10	26.4		0 - 125
2-Nitrophenol	99.01	ND	83.02	83.9		40 - 115
N-Nitrosodiphenylamine	48.51	ND	32.81	67.6		50 - 110
N-Nitroso-di-n-propylamine	48.51	ND	42.11	86.8		35 - 130
Pentachlorophenol	99.01	ND	92.59	93.5		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04003

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	48.51	ND	44.48	91.7		50 - 115
Phenol	99.01	ND	21.19	21.4		0 - 115
Pyrene	48.51	ND	43.45	89.6		50 - 130
2,4,6-Trichlorophenol	99.01	ND	81.63	82.4		50 - 115
2,4,5-Trichlorophenol	99.01	ND	85.98	86.8		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04003

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	48.51	41.14	84.8	11.4		30	45 - 110
Acenaphthylene	48.51	41.28	85.1	9.25		30	50 - 105
Acetophenone	49.50	49.10	99.2	10.0		30	50 - 110
Anthracene	48.51	45.27	93.3	6.46		30	55 - 110
Atrazine	49.50	46.25	93.4	6.65		30	70 - 115
Benzaldehyde	49.50	47.79	96.5	11.0		30	10 - 180
Benzidine	49.50	49.5 U	0			30	0 - 200
Benzo(a)anthracene	48.51	44.74	92.2	1.48		30	55 - 110
Benzo(a)pyrene	48.51	42.84	88.3	2.13		30	55 - 110
Benzo(b)fluoranthene	48.51	46.23	95.3	8.74		30	45 - 120
Benzo(g,h,i)perylene	48.51	47.50	97.9	1.35		30	40 - 125
Benzoic acid	99.01	24.05	24.3	15.6		30	0 - 125
Benzo(k)fluoranthene	48.51	44.49	91.7	6.67		30	45 - 125
1,1-Biphenyl	49.50	49.36	99.7	8.64		30	50 - 110
4-Bromophenyl-phenylether	48.51	46.42	95.7	0.0533		30	50 - 115
Butylbenzylphthalate	48.51	45.69	94.2	4.90		30	45 - 115
Caprolactam	49.50	8.462	17.1	5.39	*	30	20 - 110
Carbazole	46.53	41.43	89.0	0.480		30	50 - 115
4-Chloro-3-methylphenol	99.01	77.24	78.0	6.43		30	45 - 110
4-Chloroaniline	46.53	35.87	77.1	8.00		30	15 - 110
Bis(2-chloroethoxy)methane	48.51	46.09	95.0	7.47		30	45 - 105
Bis(2-chloroethyl)ether	48.51	42.85	88.3	8.70		30	35 - 110
2,2'-Oxybis-1-chloropropane	48.51	45.73	94.3	7.64		30	25 - 130
2-Chloronaphthalene	48.51	40.58	83.6	12.0		30	50 - 105
2-Chlorophenol	99.01	68.56	69.2	9.01		30	35 - 105
4-Chlorophenyl phenyl ether	48.51	45.47	93.7	9.71		30	50 - 110
Chrysene	48.51	46.92	96.7	1.88		30	55 - 110
Dibenz(a,h)anthracene	48.51	46.75	96.4	1.41		30	40 - 125
Dibenzofuran	48.51	43.76	90.2	7.55		30	55 - 105
Di-n-butylphthalate	48.51	46.34	95.5	2.37		30	55 - 115
3,3'-Dichlorobenzidine	49.50	42.86	86.6	2.58		30	20 - 110
2,4-Dichlorophenol	99.01	81.31	82.1	4.81		30	40 - 110
Diethylphthalate	48.51	48.30	99.5	8.70		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04003

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	99.01	78.00	78.8	4.27		30	30 - 110
Dimethyl phthalate	48.51	45.54	93.9	5.49		30	25 - 125
4,6-Dinitro-2-methylphenol	99.01	96.54	97.5	8.56		30	40 - 130
2,4-Dinitrophenol	99.01	93.70	94.6	13.6		30	15 - 140
2,4-Dinitrotoluene	48.51	46.42	95.7	4.51		30	50 - 120
2,6-Dinitrotoluene	48.51	46.94	96.8	14.6		30	50 - 115
Di-n-octylphthalate	48.51	42.27	87.1	2.16		30	35 - 135
1,2-Diphenylhydrazine	46.53	41.89	90.0	0.467		30	55 - 115
Bis(2-ethylhexyl)phthalate	48.51	44.75	92.2	1.23		30	40 - 125
Fluoranthene	48.51	47.16	97.2	4.43		30	55 - 115
Fluorene	48.51	44.21	91.1	8.02		30	50 - 110
Hexachlorobenzene	48.51	46.41	95.7	3.71		30	50 - 110
Hexachlorobutadiene	48.51	33.54	69.1	0.875		30	25 - 105
Hexachlorocyclopentadiene	48.51	29.91	61.7	2.98		30	10 - 110
Hexachloroethane	48.51	30.88	63.6	6.45		30	30 - 95
Indeno(1,2,3-cd)pyrene	48.51	47.03	96.9	2.48		30	45 - 125
Isophorone	48.51	39.20	80.8	8.47		30	50 - 110
1-Methylnaphthalene	49.50	38.23	77.2	3.33		30	30 - 115
2-Methylnaphthalene	48.51	36.63	75.5	4.20		30	45 - 105
2-Methylphenol	99.01	54.32	54.9	5.91		30	40 - 110
3-Methylphenol/4-Methylphenol	99.01	52.80	53.3	8.46		30	30 - 110
Naphthalene	48.51	38.31	79.0	8.00		30	40 - 100
4-Nitroaniline	46.53	44.75	96.2	9.57		30	35 - 120
3-Nitroaniline	46.53	38.64	83.0	12.6		30	20 - 125
2-Nitroaniline	46.53	48.28	104	10.1		30	50 - 115
Nitrobenzene	48.51	42.80	88.2	8.34		30	30 - 110
4-Nitrophenol	99.01	27.38	27.7	4.77		30	0 - 125
2-Nitrophenol	99.01	90.03	90.9	8.09		30	40 - 115
N-Nitrosodiphenylamine	48.51	36.93	76.1	11.8		30	50 - 110
N-Nitroso-di-n-propylamine	48.51	45.60	94.0	7.94		30	35 - 130
Pentachlorophenol	99.01	99.28	100	6.97		30	40 - 115
Phenanthrene	48.51	44.58	91.9	0.218		30	50 - 115
Phenol	99.01	22.66	22.9	6.74		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E04003

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	48.51	44.21	91.1	1.72		30	50 - 130
2,4,6-Trichlorophenol	99.01	92.44	93.4	12.4		30	50 - 115
2,4,5-Trichlorophenol	99.01	96.86	97.8	11.9		30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08006

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	47.12	ND	42.37	89.9		45 - 110
Acenaphthylene	47.12	ND	43.52	92.4		50 - 105
Acetophenone	48.08	ND	44.80	93.2		50 - 110
Anthracene	47.12	ND	43.69	92.7		55 - 110
Atrazine	48.08	ND	46.07	95.8		70 - 115
Benzaldehyde	48.08	ND	42.70	88.8		10 - 180
Benzidine	48.08	ND	48.1 U	0		0 - 200
Benzo(a)anthracene	47.12	ND	44.76	95.0		55 - 110
Benzo(a)pyrene	47.12	ND	42.73	90.7		55 - 110
Benzo(b)fluoranthene	47.12	ND	42.45	90.1		45 - 120
Benzo(g,h,i)perylene	47.12	ND	47.17	100		40 - 125
Benzoic acid	96.15	ND	12.42	12.9		0 - 125
Benzo(k)fluoranthene	47.12	ND	47.96	102		45 - 125
1,1-Biphenyl	48.08	ND	47.44	98.7		50 - 110
4-Bromophenyl-phenylether	47.12	ND	46.85	99.4		50 - 115
Butylbenzylphthalate	47.12	ND	46.77	99.3		45 - 115
Caprolactam	48.08	ND	5.677	11.8	*	20 - 110
Carbazole	45.19	ND	42.16	93.3		50 - 115
4-Chloro-3-methylphenol	96.15	ND	80.27	83.5		45 - 110
4-Chloroaniline	45.19	ND	33.37	73.8		15 - 110
Bis(2-chloroethoxy)methane	47.12	ND	45.50	96.6		45 - 105
Bis(2-chloroethyl)ether	47.12	ND	39.44	83.7		35 - 110
2,2'-Oxybis-1-chloropropane	47.12	ND	42.71	90.6		25 - 130
2-Chloronaphthalene	47.12	ND	42.51	90.2		50 - 105
2-Chlorophenol	96.15	ND	64.32	66.9		35 - 105
4-Chlorophenyl phenyl ether	47.12	ND	47.15	100		50 - 110
Chrysene	47.12	ND	46.88	99.5		55 - 110
Dibenz(a,h)anthracene	47.12	ND	46.73	99.2		40 - 125
Dibenzofuran	47.12	ND	45.02	95.5		55 - 105
Di-n-butylphthalate	47.12	ND	47.33	100		55 - 115
3,3'-Dichlorobenzidine	48.08	ND	41.42	86.2		20 - 110
2,4-Dichlorophenol	96.15	ND	81.79	85.1		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08006

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	47.12	ND	47.02	99.8		40 - 120
2,4-Dimethylphenol	96.15	ND	78.54	81.7		30 - 110
Dimethyl phthalate	47.12	ND	47.11	100		25 - 125
4,6-Dinitro-2-methylphenol	96.15	ND	89.98	93.6		40 - 130
2,4-Dinitrophenol	96.15	ND	68.21	70.9		15 - 140
2,4-Dinitrotoluene	47.12	ND	44.54	94.5		50 - 120
2,6-Dinitrotoluene	47.12	ND	44.37	94.2		50 - 115
Di-n-octylphthalate	47.12	ND	43.18	91.6		35 - 135
1,2-Diphenylhydrazine	45.19	ND	43.25	95.7		55 - 115
Bis(2-ethylhexyl)phthalate	47.12	ND	46.60	98.9		40 - 125
Fluoranthene	47.12	ND	45.13	95.8		55 - 115
Fluorene	47.12	ND	45.16	95.9		50 - 110
Hexachlorobenzene	47.12	ND	44.13	93.7		50 - 110
Hexachlorobutadiene	47.12	ND	41.64	88.4		25 - 105
Hexachlorocyclopentadiene	47.12	ND	36.86	78.2		10 - 110
Hexachloroethane	47.12	ND	33.49	71.1		30 - 95
Indeno(1,2,3-cd)pyrene	47.12	ND	46.89	99.5		45 - 125
Isophorone	47.12	ND	37.52	79.6		50 - 110
1-Methylnaphthalene	48.08	ND	41.96	87.3		30 - 115
2-Methylnaphthalene	47.12	ND	40.47	85.9		45 - 105
2-Methylphenol	96.15	ND	51.17	53.2		40 - 110
3-Methylphenol/4-Methylphenol	96.15	ND	47.79	49.7		30 - 110
Naphthalene	47.12	ND	40.55	86.1		40 - 100
4-Nitroaniline	45.19	ND	45.09	99.8		35 - 120
3-Nitroaniline	45.19	ND	36.40	80.5		20 - 125
2-Nitroaniline	45.19	ND	47.11	104		50 - 115
Nitrobenzene	47.12	ND	41.23	87.5		30 - 110
4-Nitrophenol	96.15	ND	23.67	24.6		0 - 125
2-Nitrophenol	96.15	ND	87.26	90.7		40 - 115
N-Nitrosodiphenylamine	47.12	ND	35.18	74.7		50 - 110
N-Nitroso-di-n-propylamine	47.12	ND	42.40	90.0		35 - 130
Pentachlorophenol	96.15	ND	97.75	102		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08006

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	47.12	ND	46.27	98.2		50 - 115
Phenol	96.15	ND	18.40	19.1		0 - 115
Pyrene	47.12	ND	44.11	93.6		50 - 130
2,4,6-Trichlorophenol	96.15	ND	90.45	94.1		50 - 115
2,4,5-Trichlorophenol	96.15	ND	96.85	101		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08006

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	46.23	37.46	81.0	12.3		30	45 - 110
Acenaphthylene	46.23	38.00	82.2	13.5		30	50 - 105
Acetophenone	47.17	42.14	89.3	6.12		30	50 - 110
Anthracene	46.23	41.37	89.5	5.46		30	55 - 110
Atrazine	47.17	43.45	92.1	5.85		30	70 - 115
Benzaldehyde	47.17	41.83	88.7	2.05		30	10 - 180
Benzidine	47.17	47.2 U	0			30	0 - 200
Benzo(a)anthracene	46.23	41.48	89.7	7.61		30	55 - 110
Benzo(a)pyrene	46.23	41.37	89.5	3.23		30	55 - 110
Benzo(b)fluoranthene	46.23	40.52	87.6	4.66		30	45 - 120
Benzo(g,h,i)perylene	46.23	44.21	95.6	6.47		30	40 - 125
Benzoic acid	94.34	14.85	15.7	17.9		30	0 - 125
Benzo(k)fluoranthene	46.23	45.02	97.4	6.33		30	45 - 125
1,1-Biphenyl	47.17	41.79	88.6	12.7		30	50 - 110
4-Bromophenyl-phenylether	46.23	44.67	96.6	4.76		30	50 - 115
Butylbenzylphthalate	46.23	42.61	92.2	9.31		30	45 - 115
Caprolactam	47.17	5.536	11.7	2.51	*	30	20 - 110
Carbazole	44.34	39.82	89.8	5.71		30	50 - 115
4-Chloro-3-methylphenol	94.34	73.02	77.4	9.46		30	45 - 110
4-Chloroaniline	44.34	30.65	69.1	8.51		30	15 - 110
Bis(2-chloroethoxy)methane	46.23	40.52	87.6	11.6		30	45 - 105
Bis(2-chloroethyl)ether	46.23	36.79	79.6	6.96		30	35 - 110
2,2'-Oxybis-1-chloropropane	46.23	39.82	86.1	7.01		30	25 - 130
2-Chloronaphthalene	46.23	39.38	85.2	7.64		30	50 - 105
2-Chlorophenol	94.34	61.75	65.5	4.08		30	35 - 105
4-Chlorophenyl phenyl ether	46.23	41.70	90.2	12.3		30	50 - 110
Chrysene	46.23	43.06	93.2	8.49		30	55 - 110
Dibenz(a,h)anthracene	46.23	43.51	94.1	7.14		30	40 - 125
Dibenzofuran	46.23	40.46	87.5	10.7		30	55 - 105
Di-n-butylphthalate	46.23	46.15	99.8	2.53		30	55 - 115
3,3'-Dichlorobenzidine	47.17	38.95	82.6	6.16		30	20 - 110
2,4-Dichlorophenol	94.34	72.42	76.8	12.2		30	40 - 110
Diethylphthalate	46.23	42.23	91.4	10.7		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08006

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	94.34	72.48	76.8	8.02		30	30 - 110
Dimethyl phthalate	46.23	43.21	93.5	8.62		30	25 - 125
4,6-Dinitro-2-methylphenol	94.34	85.09	90.2	5.58		30	40 - 130
2,4-Dinitrophenol	94.34	75.94	80.5	10.7		30	15 - 140
2,4-Dinitrotoluene	46.23	41.32	89.4	7.49		30	50 - 120
2,6-Dinitrotoluene	46.23	41.11	88.9	7.63		30	50 - 115
Di-n-octylphthalate	46.23	41.00	88.7	5.18		30	35 - 135
1,2-Diphenylhydrazine	44.34	40.96	92.4	5.44		30	55 - 115
Bis(2-ethylhexyl)phthalate	46.23	42.74	92.5	8.63		30	40 - 125
Fluoranthene	46.23	44.75	96.8	0.836		30	55 - 115
Fluorene	46.23	40.65	87.9	10.5		30	50 - 110
Hexachlorobenzene	46.23	43.00	93.0	2.58		30	50 - 110
Hexachlorobutadiene	46.23	37.86	81.9	9.52		30	25 - 105
Hexachlorocyclopentadiene	46.23	36.14	78.2	1.98		30	10 - 110
Hexachloroethane	46.23	31.95	69.1	4.70		30	30 - 95
Indeno(1,2,3-cd)pyrene	46.23	43.79	94.7	6.84		30	45 - 125
Isophorone	46.23	34.86	75.4	7.34		30	50 - 110
1-Methylnaphthalene	47.17	37.30	79.1	11.7		30	30 - 115
2-Methylnaphthalene	46.23	36.27	78.5	10.9		30	45 - 105
2-Methylphenol	94.34	48.80	51.7	4.75		30	40 - 110
3-Methylphenol/4-Methylphenol	94.34	46.11	48.9	3.57		30	30 - 110
Naphthalene	46.23	36.04	78.0	11.8		30	40 - 100
4-Nitroaniline	44.34	40.22	90.7	11.4		30	35 - 120
3-Nitroaniline	44.34	34.02	76.7	6.74		30	20 - 125
2-Nitroaniline	44.34	42.45	95.7	10.4		30	50 - 115
Nitrobenzene	46.23	37.47	81.1	9.55		30	30 - 110
4-Nitrophenol	94.34	23.09	24.5	2.49		30	0 - 125
2-Nitrophenol	94.34	83.02	88.0	4.98		30	40 - 115
N-Nitrosodiphenylamine	46.23	33.08	71.6	6.17		30	50 - 110
N-Nitroso-di-n-propylamine	46.23	39.68	85.8	6.63		30	35 - 130
Pentachlorophenol	94.34	94.24	99.9	3.66		30	40 - 115
Phenanthrene	46.23	43.94	95.0	5.17		30	50 - 115
Phenol	94.34	18.51	19.6	0.616		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08006

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	46.23	41.55	89.9	5.99		30	50 - 130
2,4,6-Trichlorophenol	94.34	82.62	87.6	9.05		30	50 - 115
2,4,5-Trichlorophenol	94.34	88.28	93.6	9.25		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E01006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/02/12 12:28	1,040.00	1.00
GW0553	1205009-03	05/02/12 12:28	1,060.00	1.00
GW0554	1205009-05	05/02/12 12:28	1,060.00	1.00
GW0602	1205009-07	05/02/12 12:28	1,060.00	1.00
GW0617	1205009-09	05/02/12 12:28	1,070.00	1.00
GW0618	1205009-11	05/02/12 12:28	1,000.00	1.00
Blank	2E01006-BLK1	05/02/12 12:28	1,000.00	1.00
LCS	2E01006-BS1	05/02/12 12:28	1,000.00	1.00
LCS Dup	2E01006-BSD1	05/02/12 12:28	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E04003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0525	1205021-01	05/07/12 11:00	1,010.00	1.00
GW0538	1205021-03	05/07/12 11:00	1,010.00	1.00
GW0539	1205021-05	05/07/12 11:00	1,030.00	1.00
GW0561	1205021-07	05/07/12 11:00	1,000.00	1.00
GW0601	1205021-09	05/07/12 11:00	1,020.00	1.00
Blank	2E04003-BLK1	05/07/12 11:00	1,000.00	1.00
LCS	2E04003-BS1	05/07/12 11:00	1,000.00	1.00
GW0538	2E04003-MS1	05/07/12 11:00	1,010.00	1.00
GW0538	2E04003-MSD1	05/07/12 11:00	1,010.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E08006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/08/12 12:14	1,060.00	1.00
GW0524	1205028-03	05/08/12 12:14	1,020.00	1.00
GW0537	1205028-05	05/08/12 12:14	1,020.00	1.00
GW0555	1205028-07	05/08/12 12:14	1,060.00	1.00
GW0556	1205028-09	05/08/12 12:14	1,070.00	1.00
GW0580	1205028-11	05/08/12 12:14	1,040.00	1.00
GW0581	1205028-13	05/08/12 12:14	1,060.00	1.00
GW0582	1205028-15	05/08/12 12:14	1,060.00	1.00
GW0616	1205028-17	05/08/12 12:14	1,040.00	1.00
Blank	2E08006-BLK1	05/08/12 12:14	1,000.00	1.00
LCS	2E08006-BS1	05/08/12 12:14	1,000.00	1.00
GW0581	2E08006-MS1	05/08/12 12:14	1,040.00	1.00
GW0581	2E08006-MSD1	05/08/12 12:14	1,060.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	03/07/12
Instrument ID:	MS-BNA3	Injection Time:	10:45
Sequence:	2C06808	Lab Sample ID:	2C06808-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	34.3	PASS
68	Less than 2% of 69	1.6	PASS
69	Less than 200% of 198	38	PASS
70	Less than 2% of 69	0.519	PASS
127	40 - 60% of 198	51.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.76	PASS
275	10 - 30% of 198	26.8	PASS
365	1 - 200% of 198	3.29	PASS
441	0.001 - 100% of 443	74.2	PASS
442	40 - 200% of 198	105	PASS
443	17 - 23% of 442	20.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-BNA1	Injection Time:	18:06
Sequence:	2D12112	Lab Sample ID:	2D12112-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.5	PASS
68	Less than 2% of 69	1.45	PASS
69	Less than 200% of 198	46.5	PASS
70	Less than 2% of 69	0.984	PASS
127	40 - 60% of 198	42.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.23	PASS
275	10 - 30% of 198	21.8	PASS
365	1 - 200% of 198	3.03	PASS
441	0.001 - 100% of 443	69.1	PASS
442	40 - 200% of 198	114	PASS
443	17 - 23% of 442	20	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/04/12
Instrument ID:	MS-BNA3	Injection Time:	08:27
Sequence:	2E12911	Lab Sample ID:	2E12911-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	46.8	PASS
70	Less than 2% of 69	1.06	PASS
127	40 - 60% of 198	54.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.1	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	1.86	PASS
441	0.001 - 100% of 443	76	PASS
442	40 - 200% of 198	56.4	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/08/12
Instrument ID:	MS-BNA1	Injection Time:	11:23
Sequence:	2E13010	Lab Sample ID:	2E13010-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	44.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.6	PASS
70	Less than 2% of 69	0.485	PASS
127	40 - 60% of 198	47.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.09	PASS
275	10 - 30% of 198	18.6	PASS
365	1 - 200% of 198	1.89	PASS
441	0.001 - 100% of 443	70.6	PASS
442	40 - 200% of 198	56.3	PASS
443	17 - 23% of 442	19.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/09/12
Instrument ID:	MS-BNA1	Injection Time:	16:02
Sequence:	2E13107	Lab Sample ID:	2E13107-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.4	PASS
70	Less than 2% of 69	0.465	PASS
127	40 - 60% of 198	46.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.61	PASS
275	10 - 30% of 198	18.8	PASS
365	1 - 200% of 198	1.48	PASS
441	0.001 - 100% of 443	72.5	PASS
442	40 - 200% of 198	54.2	PASS
443	17 - 23% of 442	20.8	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06808	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2C06808-TUN1	SEQ-TUN1.D	03/07/12 10:45
Cal Standard	2C06808-CAL1	SEQ-CAL1.D	03/07/12 11:09
Cal Standard	2C06808-CAL2	SEQ-CAL2.D	03/07/12 11:37
Cal Standard	2C06808-CAL3	SEQ-CAL3.D	03/07/12 12:04
Cal Standard	2C06808-CAL4	SEQ-CAL4.D	03/07/12 12:32
Cal Standard	2C06808-CAL5	SEQ-CAL5.D	03/07/12 12:59
Cal Standard	2C06808-CAL6	SEQ-CAL6.D	03/07/12 13:27
Cal Standard	2C06808-CAL7	SEQ-CAL7.D	03/07/12 13:55
Cal Standard	2C06808-CAL8	SEQ-CAL8.D	03/07/12 14:23
Cal Standard	2C06808-CAL9	SEQ-CAL9.D	03/07/12 14:51
Cal Standard	2C06808-CALA	SEQ-CALA.D	03/07/12 15:18
Cal Standard	2C06808-CALB	SEQ-CALB.D	03/07/12 15:46
Cal Standard	2C06808-CALC	SEQ-CALC.D	03/07/12 16:13
Cal Standard	2C06808-CALD	SEQ-CALD.D	03/07/12 16:41
Cal Standard	2C06808-CALE	SEQ-CALE.D	03/07/12 17:08
Cal Standard	2C06808-CALF	SEQ-CALF.D	03/07/12 17:35
Cal Standard	2C06808-CALG	SEQ-CALG.D	03/07/12 18:03
Initial Cal Check	2C06808-ICV1	SEQ-ICV1.D	03/07/12 18:30
Initial Cal Check	2C06808-ICV2	SEQ-ICV2.D	03/07/12 18:58

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12112	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12112-TUN1	SEQ-TUN1.D	04/27/12 18:06
Cal Standard	2D12112-CAL1	SEQ-CAL1.D	04/27/12 18:27
Cal Standard	2D12112-CAL2	SEQ-CAL2.D	04/27/12 18:54
Cal Standard	2D12112-CAL3	SEQ-CAL3.D	04/27/12 19:21
Cal Standard	2D12112-CAL4	SEQ-CAL4.D	04/27/12 19:48
Cal Standard	2D12112-CAL5	SEQ-CAL5.D	04/27/12 20:16
Cal Standard	2D12112-CAL6	SEQ-CAL6.D	04/27/12 20:43
Cal Standard	2D12112-CAL7	SEQ-CAL7.D	04/27/12 21:10
Cal Standard	2D12112-CAL8	SEQ-CAL8.D	04/27/12 21:37
Cal Standard	2D12112-CAL9	SEQCAL9.D	04/27/12 22:04
Cal Standard	2D12112-CALA	SEQCALA.D	04/27/12 22:31
Cal Standard	2D12112-CALB	SEQCALB.D	04/27/12 22:58
Cal Standard	2D12112-CALC	SEQCALC.D	04/27/12 23:25
Cal Standard	2D12112-CALD	SEQCALD.D	04/27/12 23:52
Cal Standard	2D12112-CALE	SEQCALE.D	04/28/12 00:19
Cal Standard	2D12112-CALF	SEQCALF.D	04/28/12 00:46
Cal Standard	2D12112-CALG	SEQCALG.D	04/28/12 01:13
Initial Cal Check	2D12112-ICV1	SEQ-ICV1.D	04/28/12 01:40
Initial Cal Check	2D12112-ICV2	SEQ-ICV2.D	04/28/12 02:07

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12911-TUN1	SEQ-TUN1.D	05/04/12 08:27
Calibration Check	2E12911-CCV1	SEQ-CCV1.D	05/04/12 08:50
Calibration Check	2E12911-CCV2	SEQ-CCV2.D	05/04/12 09:18
Blank	2E01006-BLK1	E01006B2.D	05/04/12 10:14
LCS	2E01006-BS1	E01006L1.D	05/04/12 10:41
LCS Dup	2E01006-BSD1	E01006L2.D	05/04/12 11:09
GW0526	1205009-01	0500901.D	05/04/12 15:20
GW0553	1205009-03	0500903.D	05/04/12 15:48
GW0554	1205009-05	0500905.D	05/04/12 16:16
GW0602	1205009-07	0500907.D	05/04/12 16:43
GW0617	1205009-09	0500909.D	05/04/12 17:11
GW0618	1205009-11	0500911.D	05/04/12 17:38

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13010-TUN1	SEQ-TUN1.D	05/08/12 11:23
Calibration Check	2E13010-CCV1	SEQ-CCV1.D	05/08/12 13:22
Calibration Check	2E13010-CCV2	SEQ-CCV2.D	05/08/12 13:49
Blank	2E04003-BLK1	E04003B1.D	05/08/12 14:17
LCS	2E04003-BS1	E04003L1.D	05/08/12 14:44
GW0525	1205021-01	0502101.D	05/08/12 16:07
GW0538	1205021-03	0502103.D	05/08/12 16:34
GW0538	2E04003-MS1	0502103M.D	05/08/12 17:02
GW0538	2E04003-MSD1	0502103S.D	05/08/12 17:29
GW0539	1205021-05	0502105.D	05/08/12 17:57
GW0561	1205021-07	0502107.D	05/08/12 18:24
GW0601	1205021-09	0502109.D	05/08/12 18:51

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13107-TUN1	SEQ-TUN1.D	05/09/12 16:02
Calibration Check	2E13107-CCV1	SEQ-CCV1.D	05/09/12 16:25
Calibration Check	2E13107-CCV2	SEQ-CCV2.D	05/09/12 16:53
Blank	2E08006-BLK1	E08006B1.D	05/09/12 17:20
LCS	2E08006-BS1	E08006L1.D	05/09/12 17:47
GW0507	1205028-01	0502801.D	05/09/12 18:14
GW0524	1205028-03	0502803.D	05/09/12 18:42
GW0537	1205028-05	0502805.D	05/09/12 19:09
GW0555	1205028-07	0502807.D	05/09/12 19:36
GW0556	1205028-09	0502809.D	05/09/12 20:03
GW0580	1205028-11	0502811.D	05/09/12 20:31
GW0581	1205028-13	0502813.D	05/09/12 20:58
GW0581	2E08006-MS1	0502813M.D	05/09/12 21:25
GW0581	2E08006-MSD1	0502813S.D	05/09/12 21:52
GW0582	1205028-15	0502815.D	05/09/12 22:19
GW0616	1205028-17	0502817.D	05/09/12 22:46

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12911-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/04/12 08:50			
1,4-Dichlorobenzene-d4	533195	4.917	577166	5.052	92	50 - 200	-0.1350	+/-0.50	
Naphthalene-d8	1935302	6.355	2098116	6.494	92	50 - 200	-0.1390	+/-0.50	
Acenaphthene-d10	1047783	8.47	1177105	8.61	89	50 - 200	-0.1400	+/-0.50	
Phenanthrene-d10	1748421	10.238	2031354	10.394	86	50 - 200	-0.1560	+/-0.50	
Chrysene-d12	1675167	13.62	2065587	13.818	81	50 - 200	-0.1980	+/-0.50	
Perylene-d12	1665875	15.874	2102409	16.11	79	50 - 200	-0.2360	+/-0.50	
Calibration Check (2E12911-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/04/12 09:18			
1,4-Dichlorobenzene-d4	539284	4.918	533195	4.917	101	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1937279	6.35	1935302	6.355	100	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1041380	8.46	1047783	8.47	99	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1720452	10.239	1748421	10.238	98	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1628297	13.615	1675167	13.62	97	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1576640	15.87	1665875	15.874	95	50 - 200	-0.0040	+/-0.50	
Blank (2E01006-BLK1)			Lab File ID: E01006B2.D			Analyzed: 05/04/12 10:14			
1,4-Dichlorobenzene-d4	502402	4.918	533195	4.917	94	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1821457	6.35	1935302	6.355	94	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	964429	8.466	1047783	8.47	92	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1595197	10.239	1748421	10.238	91	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1480548	13.615	1675167	13.62	88	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1462065	15.87	1665875	15.874	88	50 - 200	-0.0040	+/-0.50	
LCS (2E01006-BS1)			Lab File ID: E01006L1.D			Analyzed: 05/04/12 10:41			
1,4-Dichlorobenzene-d4	575185	4.921	533195	4.917	108	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2028357	6.352	1935302	6.355	105	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1085609	8.468	1047783	8.47	104	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1800705	10.241	1748421	10.238	103	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1740537	13.623	1675167	13.62	104	50 - 200	0.0030	+/-0.50	
Perylene-d12	1790129	15.872	1665875	15.874	107	50 - 200	-0.0020	+/-0.50	
LCS Dup (2E01006-BSD1)			Lab File ID: E01006L2.D			Analyzed: 05/04/12 11:09			
1,4-Dichlorobenzene-d4	529942	4.92	533195	4.917	99	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1893499	6.352	1935302	6.355	98	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1005849	8.462	1047783	8.47	96	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1650588	10.241	1748421	10.238	94	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1591549	13.623	1675167	13.62	95	50 - 200	0.0030	+/-0.50	
Perylene-d12	1604203	15.872	1665875	15.874	96	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0526 (1205009-01)			Lab File ID: 0500901.D			Analyzed: 05/04/12 15:20			
1,4-Dichlorobenzene-d4	576160	4.916	533195	4.917	108	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2089369	6.353	1935302	6.355	108	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1102477	8.463	1047783	8.47	105	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1801763	10.236	1748421	10.238	103	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1704601	13.613	1675167	13.62	102	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1697526	15.867	1665875	15.874	102	50 - 200	-0.0070	+/-0.50	
GW0553 (1205009-03)			Lab File ID: 0500903.D			Analyzed: 05/04/12 15:48			
1,4-Dichlorobenzene-d4	533400	4.92	533195	4.917	100	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1948672	6.352	1935302	6.355	101	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1013721	8.462	1047783	8.47	97	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1661992	10.236	1748421	10.238	95	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1575177	13.612	1675167	13.62	94	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1578287	15.866	1665875	15.874	95	50 - 200	-0.0080	+/-0.50	
GW0554 (1205009-05)			Lab File ID: 0500905.D			Analyzed: 05/04/12 16:16			
1,4-Dichlorobenzene-d4	562827	4.916	533195	4.917	106	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2029800	6.353	1935302	6.355	105	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1076396	8.463	1047783	8.47	103	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1733417	10.237	1748421	10.238	99	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1652958	13.613	1675167	13.62	99	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1642742	15.868	1665875	15.874	99	50 - 200	-0.0060	+/-0.50	
GW0602 (1205009-07)			Lab File ID: 0500907.D			Analyzed: 05/04/12 16:43			
1,4-Dichlorobenzene-d4	320582	4.915	533195	4.917	60	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1154475	6.352	1935302	6.355	60	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	590902	8.462	1047783	8.47	56	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	991744	10.236	1748421	10.238	57	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	949397	13.612	1675167	13.62	57	50 - 200	-0.0080	+/-0.50	
Perylene-d12	926041	15.861	1665875	15.874	56	50 - 200	-0.0130	+/-0.50	
GW0617 (1205009-09)			Lab File ID: 0500909.D			Analyzed: 05/04/12 17:11			
1,4-Dichlorobenzene-d4	340624	4.914	533195	4.917	64	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1191557	6.351	1935302	6.355	62	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	623851	8.461	1047783	8.47	60	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1043559	10.235	1748421	10.238	60	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	987053	13.611	1675167	13.62	59	50 - 200	-0.0090	+/-0.50	
Perylene-d12	973122	15.86	1665875	15.874	58	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0618 (1205009-11)			Lab File ID: 0500911.D			Analyzed: 05/04/12 17:38			
1,4-Dichlorobenzene-d4	560938	4.915	533195	4.917	105	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1973478	6.352	1935302	6.355	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1052268	8.462	1047783	8.47	100	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1755133	10.236	1748421	10.238	100	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1646842	13.612	1675167	13.62	98	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1643689	15.866	1665875	15.874	99	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13010-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/08/12 13:22			
1,4-Dichlorobenzene-d4	549810	5.031	596380	5.022	92	50 - 200	0.0090	+/-0.50	
Naphthalene-d8	2035269	6.469	2345527	6.469	87	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	977581	8.591	1111180	8.595	88	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1619245	10.368	1923005	10.364	84	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1592494	13.753	1738806	13.763	92	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1625733	16.021	1691980	16.02	96	50 - 200	0.0010	+/-0.50	
Calibration Check (2E13010-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/08/12 13:49			
1,4-Dichlorobenzene-d4	566353	5.032	549810	5.031	103	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2213101	6.47	2035269	6.469	109	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1032460	8.584	977581	8.591	106	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1771826	10.367	1619245	10.368	109	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1726362	13.753	1592494	13.753	108	50 - 200	0.0000	+/-0.50	
Perylene-d12	1748834	16.016	1625733	16.021	108	50 - 200	-0.0050	+/-0.50	
Blank (2E04003-BLK1)			Lab File ID: E04003B1.D			Analyzed: 05/08/12 14:17			
1,4-Dichlorobenzene-d4	535510	5.024	549810	5.031	97	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2053442	6.467	2035269	6.469	101	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	988486	8.585	977581	8.591	101	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1711002	10.361	1619245	10.368	106	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1603798	13.748	1592494	13.753	101	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1635448	16.014	1625733	16.021	101	50 - 200	-0.0070	+/-0.50	
LCS (2E04003-BS1)			Lab File ID: E04003L1.D			Analyzed: 05/08/12 14:44			
1,4-Dichlorobenzene-d4	585487	5.027	549810	5.031	106	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2241783	6.474	2035269	6.469	110	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1065331	8.584	977581	8.591	109	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1865196	10.369	1619245	10.368	115	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1730456	13.751	1592494	13.753	109	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1755339	16.011	1625733	16.021	108	50 - 200	-0.0100	+/-0.50	
GW0525 (1205021-01)			Lab File ID: 0502101.D			Analyzed: 05/08/12 16:07			
1,4-Dichlorobenzene-d4	583452	5.026	549810	5.031	106	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2199348	6.471	2035269	6.469	108	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1045815	8.585	977581	8.591	107	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1791779	10.364	1619245	10.368	111	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1713017	13.747	1592494	13.753	108	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1746119	16.018	1625733	16.021	107	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0538 (1205021-03)			Lab File ID: 0502103.D			Analyzed: 05/08/12 16:34			
1,4-Dichlorobenzene-d4	553840	5.025	549810	5.031	101	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2068976	6.47	2035269	6.469	102	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	991201	8.587	977581	8.591	101	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1666989	10.364	1619245	10.368	103	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1677151	13.754	1592494	13.753	105	50 - 200	0.0010	+/-0.50	
Perylene-d12	1641727	16.013	1625733	16.021	101	50 - 200	-0.0080	+/-0.50	
Matrix Spike (2E04003-MS1)			Lab File ID: 0502103M.D			Analyzed: 05/08/12 17:02			
1,4-Dichlorobenzene-d4	567530	5.025	549810	5.031	103	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2207588	6.472	2035269	6.469	108	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1053866	8.591	977581	8.591	108	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1782719	10.369	1619245	10.368	110	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1670445	13.76	1592494	13.753	105	50 - 200	0.0070	+/-0.50	
Perylene-d12	1674534	16.015	1625733	16.021	103	50 - 200	-0.0060	+/-0.50	
Matrix Spike Dup (2E04003-MSD1)			Lab File ID: 0502103S.D			Analyzed: 05/08/12 17:29			
1,4-Dichlorobenzene-d4	583462	5.024	549810	5.031	106	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2298569	6.472	2035269	6.469	113	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1055337	8.588	977581	8.591	108	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1833614	10.366	1619245	10.368	113	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1744939	13.755	1592494	13.753	110	50 - 200	0.0020	+/-0.50	
Perylene-d12	1759367	16.02	1625733	16.021	108	50 - 200	-0.0010	+/-0.50	
GW0539 (1205021-05)			Lab File ID: 0502105.D			Analyzed: 05/08/12 17:57			
1,4-Dichlorobenzene-d4	565788	5.026	549810	5.031	103	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2200376	6.47	2035269	6.469	108	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1028632	8.588	977581	8.591	105	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1746305	10.366	1619245	10.368	108	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1696067	13.755	1592494	13.753	107	50 - 200	0.0020	+/-0.50	
Perylene-d12	1733532	16.011	1625733	16.021	107	50 - 200	-0.0100	+/-0.50	
GW0561 (1205021-07)			Lab File ID: 0502107.D			Analyzed: 05/08/12 18:24			
1,4-Dichlorobenzene-d4	624143	5.027	549810	5.031	114	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2336581	6.473	2035269	6.469	115	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1166641	8.585	977581	8.591	119	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1940580	10.363	1619245	10.368	120	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1850544	13.755	1592494	13.753	116	50 - 200	0.0020	+/-0.50	
Perylene-d12	1860502	16.009	1625733	16.021	114	50 - 200	-0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0601 (1205021-09)			Lab File ID: 0502109.D			Analyzed: 05/08/12 18:51			
1,4-Dichlorobenzene-d4	594921	5.031	549810	5.031	108	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2329932	6.468	2035269	6.469	114	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1140597	8.585	977581	8.591	117	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1875394	10.358	1619245	10.368	116	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1823544	13.75	1592494	13.753	115	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1783537	16.014	1625733	16.021	110	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13107-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/09/12 16:25			
1,4-Dichlorobenzene-d4	572982	5.025	596380	5.022	96	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2169354	6.47	2345527	6.469	92	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1014158	8.591	1111180	8.595	91	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1802726	10.363	1923005	10.364	94	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1628960	13.76	1738806	13.763	94	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1667125	16.018	1691980	16.02	99	50 - 200	-0.0020	+/-0.50	
Calibration Check (2E13107-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/09/12 16:53			
1,4-Dichlorobenzene-d4	574385	5.024	572982	5.025	100	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2165458	6.467	2169354	6.47	100	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1003171	8.584	1014158	8.591	99	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1727042	10.368	1802726	10.363	96	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1660100	13.749	1628960	13.76	102	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1658107	16.017	1667125	16.018	99	50 - 200	-0.0010	+/-0.50	
Blank (2E08006-BLK1)			Lab File ID: E08006B1.D			Analyzed: 05/09/12 17:20			
1,4-Dichlorobenzene-d4	492833	5.029	572982	5.025	86	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1866096	6.471	2169354	6.47	86	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	890523	8.587	1014158	8.591	88	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1513448	10.361	1802726	10.363	84	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1417249	13.748	1628960	13.76	87	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1414016	16.015	1667125	16.018	85	50 - 200	-0.0030	+/-0.50	
LCS (2E08006-BS1)			Lab File ID: E08006L1.D			Analyzed: 05/09/12 17:47			
1,4-Dichlorobenzene-d4	514447	5.025	572982	5.025	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1950331	6.472	2169354	6.47	90	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	887718	8.59	1014158	8.591	88	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1506152	10.367	1802726	10.363	84	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1479290	13.755	1628960	13.76	91	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1476593	16.016	1667125	16.018	89	50 - 200	-0.0020	+/-0.50	
GW0507 (1205028-01)			Lab File ID: 0502801.D			Analyzed: 05/09/12 18:14			
1,4-Dichlorobenzene-d4	573404	5.025	572982	5.025	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2208980	6.468	2169354	6.47	102	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1029522	8.584	1014158	8.591	102	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1835062	10.358	1802726	10.363	102	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1683203	13.747	1628960	13.76	103	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1677091	16.013	1667125	16.018	101	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0524 (1205028-03)			Lab File ID: 0502803.D			Analyzed: 05/09/12 18:42			
1,4-Dichlorobenzene-d4	535531	5.025	572982	5.025	93	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1956927	6.468	2169354	6.47	90	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	928778	8.585	1014158	8.591	92	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1595607	10.361	1802726	10.363	89	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1529994	13.749	1628960	13.76	94	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1511691	16.008	1667125	16.018	91	50 - 200	-0.0100	+/-0.50	
GW0537 (1205028-05)			Lab File ID: 0502805.D			Analyzed: 05/09/12 19:09			
1,4-Dichlorobenzene-d4	549454	5.024	572982	5.025	96	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2096947	6.467	2169354	6.47	97	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	961455	8.583	1014158	8.591	95	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1666613	10.357	1802726	10.363	92	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1622667	13.754	1628960	13.76	100	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1563485	16.011	1667125	16.018	94	50 - 200	-0.0070	+/-0.50	
GW0555 (1205028-07)			Lab File ID: 0502807.D			Analyzed: 05/09/12 19:36			
1,4-Dichlorobenzene-d4	558412	5.025	572982	5.025	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2176166	6.467	2169354	6.47	100	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1001120	8.582	1014158	8.591	99	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1651867	10.365	1802726	10.363	92	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1613119	13.751	1628960	13.76	99	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1596864	16.017	1667125	16.018	96	50 - 200	-0.0010	+/-0.50	
GW0556 (1205028-09)			Lab File ID: 0502809.D			Analyzed: 05/09/12 20:03			
1,4-Dichlorobenzene-d4	555453	5.024	572982	5.025	97	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2156046	6.467	2169354	6.47	99	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1022599	8.582	1014158	8.591	101	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1697796	10.357	1802726	10.363	94	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1639669	13.745	1628960	13.76	101	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1635579	16.012	1667125	16.018	98	50 - 200	-0.0060	+/-0.50	
GW0580 (1205028-11)			Lab File ID: 0502811.D			Analyzed: 05/09/12 20:31			
1,4-Dichlorobenzene-d4	561839	5.027	572982	5.025	98	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2143229	6.473	2169354	6.47	99	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1015467	8.589	1014158	8.591	100	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1709497	10.363	1802726	10.363	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1654421	13.745	1628960	13.76	102	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1649265	16.012	1667125	16.018	99	50 - 200	-0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13107	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0581 (1205028-13)			Lab File ID: 0502813.D			Analyzed: 05/09/12 20:58			
1,4-Dichlorobenzene-d4	584203	5.026	572982	5.025	102	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2229652	6.469	2169354	6.47	103	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1025381	8.586	1014158	8.591	101	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1737824	10.362	1802726	10.363	96	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1675803	13.749	1628960	13.76	103	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1680835	16.008	1667125	16.018	101	50 - 200	-0.0100	+/-0.50	
Matrix Spike (2E08006-MS1)			Lab File ID: 0502813M.D			Analyzed: 05/09/12 21:25			
1,4-Dichlorobenzene-d4	584511	5.026	572982	5.025	102	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2187659	6.474	2169354	6.47	101	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1010744	8.589	1014158	8.591	100	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1753778	10.36	1802726	10.363	97	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1639787	13.749	1628960	13.76	101	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1677303	16.008	1667125	16.018	101	50 - 200	-0.0100	+/-0.50	
Matrix Spike Dup (2E08006-MSD1)			Lab File ID: 0502813S.D			Analyzed: 05/09/12 21:52			
1,4-Dichlorobenzene-d4	572822	5.025	572982	5.025	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2216667	6.471	2169354	6.47	102	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1042372	8.582	1014158	8.591	103	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1714774	10.363	1802726	10.363	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1658951	13.747	1628960	13.76	102	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1655758	16.012	1667125	16.018	99	50 - 200	-0.0060	+/-0.50	
GW0582 (1205028-15)			Lab File ID: 0502815.D			Analyzed: 05/09/12 22:19			
1,4-Dichlorobenzene-d4	619155	5.027	572982	5.025	108	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2340332	6.471	2169354	6.47	108	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1093743	8.583	1014158	8.591	108	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1865967	10.361	1802726	10.363	104	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1755214	13.75	1628960	13.76	108	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1784181	16.01	1667125	16.018	107	50 - 200	-0.0080	+/-0.50	
GW0616 (1205028-17)			Lab File ID: 0502817.D			Analyzed: 05/09/12 22:46			
1,4-Dichlorobenzene-d4	606421	5.025	572982	5.025	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2297046	6.469	2169354	6.47	106	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1044065	8.588	1014158	8.591	103	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1802717	10.364	1802726	10.363	100	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1754496	13.744	1628960	13.76	108	50 - 200	-0.0160	+/-0.50	
Perylene-d12	1718883	16.008	1667125	16.018	103	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2069001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	3/7/12_11:09 3/7/12_18:03

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	1.290835	10	1.288872	20	1.275821	40	1.243103	50	1.222823	60	1.204155
Acenaphthylene	5	1.926401	10	1.960924	20	1.967508	40	1.88301	50	1.87267	60	1.824442
Acetophenone												
Aniline	5	1.931254	10	1.95898	20	1.989987	40	1.97406	50	1.93075	60	1.908319
Anthracene	5	1.135816	10	1.177533	20	1.203797	40	1.164461	50	1.148243	60	1.12445
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.058535	10	1.07546	20	1.148372	40	1.152418	50	1.125794	60	1.110574
Benzo(a)pyrene	5	0.8634132	10	0.9410331	20	1.047115	40	1.091758	50	1.076201	60	1.078927
Benzo(b)fluoranthene	5	0.9824835	10	1.020435	20	1.11479	40	1.097168	50	1.108197	60	1.075589
Benzo(g,h,i)perylene	5	0.9306468	10	0.9392595	20	1.037476	40	1.075542	50	1.037703	60	1.038851
Benzoic acid	5	~~3.631703E-02~~	10	6.385206E-02	20	0.1084678	40	0.1681721	50	0.1785605	60	0.2018909
Benzo(k)fluoranthene	5	1.174777	10	1.187072	20	1.271122	40	1.323825	50	1.261334	60	1.249209
Benzyl alcohol	5	0.7763026	10	0.8261203	20	0.8459737	40	0.8560035	50	0.8458622	60	0.8415223
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2317842	10	0.2371536	20	0.2414978	40	0.2402742	50	0.2338231	60	0.2350962
Butylbenzylphthalate	5	0.3623589	10	0.4236683	20	0.5187606	40	0.520355	50	0.5163243	60	0.5146242
Caprolactam												
Carbazole	5	1.081674	10	1.108895	20	1.131864	40	1.120235	50	1.086755	60	1.07532
4-Chloro-3-methylphenol	5	0.2433629	10	0.2668889	20	0.2965221	40	0.3001302	50	0.2987018	60	0.2936303
4-Chloroaniline	5	0.4313943	10	0.4443893	20	0.4588377	40	0.4453356	50	0.4440973	60	0.4361526
Bis(2-chloroethoxy)methane	5	0.4065192	10	0.4059254	20	0.4173563	40	0.3986608	50	0.3912996	60	0.3850035
Bis(2-chloroethyl)ether	5	1.281007	10	1.276575	20	1.244742	40	1.219686	50	1.210847	60	1.178124
2,2'-Oxybis-1-chloropropane	5	1.49019	10	1.519646	20	1.534653	40	1.459105	50	1.453178	60	1.399566
2-Chloronaphthalene	5	1.207946	10	1.201108	20	1.194052	40	1.160699	50	1.159748	60	1.141694
2-Chlorophenol	5	1.269836	10	1.313285	20	1.357406	40	1.355928	50	1.352003	60	1.341622
4-Chlorophenyl phenyl ether	5	0.6961629	10	0.6529685	20	0.6628223	40	0.6368284	50	0.6279123	60	0.6152155
Chrysene	5	1.120358	10	1.125704	20	1.134672	40	1.110606	50	1.071014	60	1.043335
Dibenz(a,h)anthracene	5	0.8096959	10	0.8857525	20	0.9974422	40	1.024124	50	1.006274	60	1.013841
Dibenzofuran	5	1.786841	10	1.749082	20	1.730642	40	1.679056	50	1.66707	60	1.623764

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2069001
Instrument: MS-BNA3
Matrix: Water
Calibration Dates: 3/7/12_11:09 3/7/12_18:03

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	1.026795	10	1.156054	20	1.250483	40	1.263359	50	1.225645	60	1.211988
1,4-Dichlorobenzene	5	1.614778	10	1.579367	20	1.589067	40	1.549846	50	1.537331	60	1.513799
1,3-Dichlorobenzene	5	1.630479	10	1.585516	20	1.583112	40	1.549177	50	1.528421	60	1.493832
1,2-Dichlorobenzene	5	1.522623	10	1.478488	20	1.498118	40	1.488362	50	1.464277	60	1.422518
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2728868	10	0.2857662	20	0.3115145	40	0.3120501	50	0.3078342	60	0.3077154
Diethylphthalate	5	1.251662	10	1.293643	20	1.327811	40	1.299867	50	1.296184	60	1.287098
2,4-Dimethylphenol	5	0.3366691	10	0.3506135	20	0.3625916	40	0.3621673	50	0.3538967	60	0.3518662
Dimethyl phthalate	5	1.306824	10	1.330827	20	1.351979	40	1.31477	50	1.310088	60	1.29777
4,6-Dinitro-2-methylphenol	5	3.654448E-02	10	6.038237E-02	20	8.883287E-02	40	0.1121167	50	0.1189227	60	0.125571
2,4-Dinitrophenol	5		10	3.465936E-02	20	5.839482E-02	40	9.948461E-02	50	0.117208	60	0.1319551
2,4-Dinitrotoluene	5	0.2715439	10	0.3239732	20	0.3823869	40	0.3971027	50	0.4015774	60	0.4074387
2,6-Dinitrotoluene	5	0.2573721	10	0.2736137	20	0.2993314	40	0.2917187	50	0.2974299	60	0.2996828
Di-n-octylphthalate	5	0.5642654	10	0.735007	20	0.9681154	40	1.107971	50	1.117647	60	1.139429
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.7261897	10	0.7358909	20	0.7570213	40	0.74367	50	0.7211279	60	0.7103614
Bis(2-ethylhexyl)phthalate	5	0.4709387	10	0.5631515	20	0.6758707	40	0.7309678	50	0.708782	60	0.7171914
Fluoranthene	5	1.212982	10	1.24769	20	1.281645	40	1.255152	50	1.213055	60	1.207087
Fluorene	5	1.449905	10	1.421123	20	1.425898	40	1.360644	50	1.34847	60	1.323274
2-Fluorobiphenyl	5	1.362636	10	1.311469	20	1.335842	40	1.270687	50	1.272083	60	1.253504
2-Fluorophenol	10	1.181605	20	1.178844	40	1.180039	80	1.193238	100	1.168826	120	1.144284
Hexachlorobenzene	5	0.2575126	10	0.2575853	20	0.2619027	40	0.2605459	50	0.2518877	60	0.2540357
Hexachlorobutadiene	5	0.1941263	10	0.190821	20	0.1916947	40	0.1887442	50	0.1876851	60	0.1875733
Hexachlorocyclopentadiene	5	0.2773927	10	0.2943862	20	0.3124091	40	0.3397755	50	0.3417936	60	0.3558269
Hexachloroethane	5	0.5496614	10	0.5427071	20	0.5570181	40	0.5615267	50	0.5513393	60	0.545632
Indeno(1,2,3-cd)pyrene	5	0.9649368	10	1.068842	20	1.184381	40	1.228125	50	1.226722	60	1.229695
Isophorone	5	0.5919424	10	0.6115095	20	0.6440626	40	0.6330271	50	0.624799	60	0.6193488
1-Methylnaphthalene	5	0.6197771	10	0.6167071	20	0.6390012	40	0.613596	50	0.6048277	60	0.5867606
2-Methylnaphthalene	5	0.6277594	10	0.6309392	20	0.6356689	40	0.6232644	50	0.6070806	60	0.5954836
2-Methylphenol	5	1.112654	10	1.171717	20	1.202226	40	1.213594	50	1.187879	60	1.157879

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2069001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	3/7/12_11:09	3/7/12_18:03

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.167412	10	1.190103	20	1.247501	40	1.266706	50	1.24121	60	1.222931
4-Methylphenol	5	1.167412	10	1.190103	20	1.247501	40	1.266706	50	1.24121	60	1.222931
3-Methylphenol/4-Methylphenol	5	1.167412	10	1.190103	20	1.247501	40	1.266706	50	1.24121	60	1.222931
Naphthalene	5	1.157406	10	1.116185	20	1.134018	40	1.077662	50	1.055188	60	1.031544
4-Nitroaniline	5	0.2551251	10	0.2943011	20	0.3213754	40	0.3256761	50	0.3222546	60	0.3171176
3-Nitroaniline	5	0.2989547	10	0.3179847	20	0.3522844	40	0.3636411	50	0.362646	60	0.3597628
2-Nitroaniline	5	0.2268544	10	0.2506106	20	0.2819153	40	0.2921769	50	0.2985936	60	0.2959539
Nitrobenzene	5	0.3520212	10	0.347473	20	0.3645931	40	0.3524153	50	0.3491408	60	0.3473047
Nitrobenzene-d5	5	0.3063388	10	0.3059697	20	0.3233024	40	0.3271362	50	0.32466	60	0.3276527
4-Nitrophenol	5	0.1112329	10	0.1350807	20	0.1773287	40	0.2016293	50	0.2049598	60	0.2168999
2-Nitrophenol	5	0.1379164	10	0.1584468	20	0.1725149	40	0.1863545	50	0.1856033	60	0.1890958
N-Nitrosodimethylamine	5	0.5668771	10	0.550988	20	0.5332217	40	0.5442965	50	0.5369797	60	0.522157
N-Nitrosodiphenylamine	5	0.6841611	10	0.7016909	20	0.7268001	40	0.7010795	50	0.6901712	60	0.6811099
N-Nitroso-di-n-propylamine	5	0.8544181	10	0.8368408	20	0.8577163	40	0.857759	50	0.8473137	60	0.8244342
Pentachlorophenol	5	9.602787E-02	10	0.1217873	20	0.1536087	40	0.1741328	50	0.1740127	60	0.1796891
Phenanthrene	5	1.222805	10	1.200522	20	1.206558	40	1.155347	50	1.126163	60	1.097193
Phenol	5	1.606332	10	1.614638	20	1.602269	40	1.594951	50	1.57898	60	1.525496
Phenol-d6	10	1.487724	20	1.497743	40	1.540952	80	1.487155	100	1.459176	120	1.427895
Pyrene	5	1.257354	10	1.257173	20	1.298459	40	1.25359	50	1.222713	60	1.204908
Pyridine	5	1.446845	10	1.433474	20	1.46446	40	1.454584	50	1.455078	60	1.422564
Terphenyl-d14	5	0.740378	10	0.7434288	20	0.769384	40	0.7561993	50	0.7361603	60	0.7231844
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2830063	10	0.3141302	20	0.3372026	40	0.3422713	50	0.3560547	60	0.349059
2,4,6-Tribromophenol	10	0.1011531	20	0.1104528	40	0.1185843	80	0.1214347	100	0.1216881	120	0.1223278
1,2,4-Trichlorobenzene	5	0.3473633	10	0.3649595	20	0.3667183	40	0.3499609	50	0.3460395	60	0.3476623
2,4,6-Trichlorophenol	5	0.3158197	10	0.3450202	20	0.3615091	40	0.3759123	50	0.3782649	60	0.3782009
2,4,5-Trichlorophenol	5	0.3205653	10	0.3482561	20	0.3770706	40	0.3888653	50	0.3926219	60	0.3889648

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2069001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	3/7/12 11:09 3/7/12 18:03

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	1.161686	100	1.129054								
Acenaphthylene	80	1.718967	100	1.662597								
Acetophenone					5	1.633518	10	1.661849	20	1.679026	40	1.674575
Aniline	80	1.86148	100	1.806876								
Anthracene	80	1.083304	100	1.026495								
Atrazine					5	0.1669596	10	0.1832881	20	0.2006273	40	0.2061185
Benzaldehyde					5	1.000756	10	1.060443	20	1.043239	40	0.9952969
Benzidine					5	0.446998	10	0.5005058	20	0.5731981	40	0.6359156
Benzo(a)anthracene	80	1.101061	100	1.057299								
Benzo(a)pyrene	80	1.053808	100	1.03823								
Benzo(b)fluoranthene	80	1.112431	100	1.092104								
Benzo(g,h,i)perylene	80	1.028142	100	1.012297								
Benzoic acid	80	0.2119693	100	0.2211414								
Benzo(k)fluoranthene	80	1.163457	100	1.123738								
Benzyl alcohol	80	0.8274445	100	0.8181916								
1,1-Biphenyl					5	1.593936	10	1.579234	20	1.591779	40	1.53567
4-Bromophenyl-phenylether	80	0.2262634	100	0.2242331								
Butylbenzylphthalate	80	0.5248972	100	0.5068446								
Caprolactam					5	6.457692E-02	10	7.514627E-02	20	8.543847E-02	40	9.591374E-02
Carbazole	80	1.023555	100	0.9748997								
4-Chloro-3-methylphenol	80	0.2871932	100	0.2834535								
4-Chloroaniline	80	0.4276679	100	0.4091394								
Bis(2-chloroethoxy)methane	80	0.3776376	100	0.3647196								
Bis(2-chloroethyl)ether	80	1.153152	100	1.131008								
2,2'-Oxybis-1-chloropropane	80	1.370226	100	1.338673								
2-Chloronaphthalene	80	1.09628	100	1.064934								
2-Chlorophenol	80	1.315412	100	1.298079								
4-Chlorophenyl phenyl ether	80	0.5869432	100	0.5627889								
Chrysene	80	1.034303	100	0.9868509								
Dibenz(a,h)anthracene	80	0.9766292	100	0.9666365								
Dibenzofuran	80	1.548014	100	1.495765								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03

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	1.15624	100	1.085915								
1,4-Dichlorobenzene	80	1.492616	100	1.454374								
1,3-Dichlorobenzene	80	1.469591	100	1.433145								
1,2-Dichlorobenzene	80	1.403025	100	1.360979								
3,3'-Dichlorobenzidine					5	0.2956833	10	0.3256059	20	0.3645361	40	0.4077935
2,6-Dichlorophenol					5	0.2678228	10	0.2709699	20	0.2823693	40	0.2884764
2,4-Dichlorophenol	80	0.3015934	100	0.2944169								
Diethylphthalate	80	1.238619	100	1.210677								
2,4-Dimethylphenol	80	0.3432923	100	0.333433								
Dimethyl phthalate	80	1.248724	100	1.214481								
4,6-Dinitro-2-methylphenol	80	0.1330251	100	0.1359962								
2,4-Dinitrophenol	80	0.1441985	100	0.1618493								
2,4-Dinitrotoluene	80	0.3963482	100	0.3971775								
2,6-Dinitrotoluene	80	0.2873922	100	0.2858746								
Di-n-octylphthalate	80	1.130941	100	1.123952								
1,4-Dioxane					5	0.5076864	10	0.516735	20	0.5200283	40	0.5253785
1,2-Diphenylhydrazine	80	0.6778715	100	0.651947								
Bis(2-ethylhexyl)phthalate	80	0.7200567	100	0.7027289								
Fluoranthene	80	1.143424	100	1.080442								
Fluorene	80	1.248669	100	1.209385								
2-Fluorobiphenyl	80	1.199484	100	1.167884								
2-Fluorophenol	160	1.117711	200	1.088887								
Hexachlorobenzene	80	0.246548	100	0.239025								
Hexachlorobutadiene	80	0.1850405	100	0.1769454								
Hexachlorocyclopentadiene	80	0.351976	100	0.3444801								
Hexachloroethane	80	0.5290623	100	0.5282515								
Indeno(1,2,3-cd)pyrene	80	1.207558	100	1.200633								
Isophorone	80	0.6027459	100	0.5831207								
1-Methylnaphthalene	80	0.5743257	100	0.5479592								
2-Methylnaphthalene	80	0.5783523	100	0.5549167								
2-Methylphenol	80	1.151649	100	1.1305								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2069001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	3/7/12 11:09 3/7/12 18:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.20252	100	1.194582								
4-Methylphenol	80	1.20252	100	1.194582								
3-Methylphenol/4-Methylphenol	80	1.20252	100	1.194582								
Naphthalene	80	0.9907383	100	0.9378993								
4-Nitroaniline	80	0.3117642	100	0.3111468								
3-Nitroaniline	80	0.3572085	100	0.3531433								
2-Nitroaniline	80	0.287397	100	0.2877266								
Nitrobenzene	80	0.342079	100	0.3263404								
Nitrobenzene-d5	80	0.3166591	100	0.3111275								
4-Nitrophenol	80	0.2111353	100	0.2143656								
2-Nitrophenol	80	0.1906757	100	0.1887882								
N-Nitrosodimethylamine	80	0.5136068	100	0.5017676								
N-Nitrosodiphenylamine	80	0.656624	100	0.62868								
N-Nitroso-di-n-propylamine	80	0.8157432	100	0.8132918								
Pentachlorophenol	80	0.1796021	100	0.1783998								
Phenanthrene	80	1.057466	100	1.002775								
Phenol	80	1.50143	100	1.452919								
Phenol-d6	160	1.393057	200	1.351561								
Pyrene	80	1.165992	100	1.106405								
Pyridine	80	1.408121	100	1.375509								
Terphenyl-d14	80	0.7229102	100	0.6833961								
1,2,4,5-Tetrachlorobenzene					5	0.3233988	10	0.3334277	20	0.3310187	40	0.3266896
2,3,4,6-Tetrachlorophenol	80	0.348708	100	0.3424568								
2,4,6-Tribromophenol	160	0.1212272	200	0.1174324								
1,2,4-Trichlorobenzene	80	0.3374267	100	0.3265675								
2,4,6-Trichlorophenol	80	0.3676975	100	0.3670361								
2,4,5-Trichlorophenol	80	0.3880782	100	0.3851898								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03

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	1.614719	60	1.648695	80	1.643144	100	1.589447				
Aniline												
Anthracene												
Atrazine	50	0.2117066	60	0.2060813	80	0.2053799	100	0.2044052				
Benzaldehyde	50	0.9615826	60	0.9673993	80	0.9269678	100	0.8645434				
Benzidine	50	0.6448119	60	0.6610748	80	0.675402	100	0.6585517				
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	1.518174	60	1.512254	80	1.43882	100	1.390937				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	9.481478E-02	60	9.911151E-02	80	0.1016293	100	0.1028617				
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_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03

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	0.415324	60	0.4181953	80	0.424945	100	0.415712				
2,6-Dichlorophenol	50	0.2885041	60	0.2951449	80	0.2877083	100	0.2846047				
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	0.5115708	60	0.5131032	80	0.5251691	100	0.5077941				
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_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.3222154	60	0.3229126	80	0.3138915	100	0.3023816				
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_052		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2069001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.227044	4.864946	8.647625	3.833548E-02			CCC (30)	
Acenaphthylene	1.852065	6.00076	8.42275	3.930673E-02			15	
Acetophenone	1.643122	1.845981	5.513625	0.0180145			15	
Aniline	1.920213	3.17021	4.745875	5.375006E-02			15	
Anthracene	1.133012	4.960512	10.4695	3.408476E-02			15	
Atrazine	0.1980708	7.636222	10.09562	5.033099E-02			15	
Benzaldehyde	0.9775285	6.438309	4.605	2.204318E-02			15	
Benzidine	0.5995572	14.11989	12.04362	2.360079E-02			15	
Benzo(a)anthracene	1.103689	3.4077	13.78625	2.516532E-02			15	
Benzo(a)pyrene	1.023811	7.799079	16.01388	4.231634E-02			CCC (30)	
Benzo(b)fluoranthene	1.0754	4.501764	15.49363	3.744843E-02			15	
Benzo(g,h,i)perylene	1.01249	5.041178	18.2955	7.033046E-02			15	
Benzoic acid	0.1648649	35.3156	6.230571	0.4954239	0.9961517		0.995	
Benzo(k)fluoranthene	1.219317	5.505448	15.5325	4.901943E-02			15	
Benzyl alcohol	0.8296776	3.007819	5.21525	4.306501E-02			15	
1,1-Biphenyl	1.520101	4.82675	7.9	2.553961E-02			15	
4-Bromophenyl-phenylether	0.2337657	2.639399	9.8465	4.298401E-03			15	
Butylbenzylphthalate	0.4859791	12.3247	13.04587	1.965552E-02			15	
Caprolactam	8.993659E-02	15.32399	6.95125	0.1358928	0.999199		0.995	
Carbazole	1.0754	4.879727	10.677	2.790652E-02			15	
4-Chloro-3-methylphenol	0.2837354	6.89608	7.1755	2.024992E-02			CCC (30)	
4-Chloroaniline	0.4371268	3.400488	6.60425	2.975869E-02			15	
Bis(2-chloroethoxy)methane	0.3933903	4.378176	6.228875	3.189292E-02			15	
Bis(2-chloroethyl)ether	1.211893	4.544746	4.80075	7.228911E-02			15	
2,2'-Oxybis-1-chloropropane	1.445655	4.882537	5.3855	2.273893E-02			15	
2-Chloronaphthalene	1.153308	4.424048	7.9125	1.220238E-02			15	
2-Chlorophenol	1.325446	2.387116	4.86125	4.627881E-02			15	
4-Chlorophenyl phenyl ether	0.6302053	6.738265	9.2585	1.486816E-02			15	
Chrysene	1.078355	4.93347	13.85212	0.0382447			15	
Dibenz(a,h)anthracene	0.9600494	7.772666	17.86163	4.062082E-02			15	
Dibenzofuran	1.660029	6.034938	8.838625	4.237962E-02			15	
Di-n-butylphthalate	1.17206	7.063743	11.16188	2.159082E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2069001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.541397	3.459213	5.0685	4.277777E-02			CCC (30)	
1,3-Dichlorobenzene	1.534159	4.307476	5.0115	0.0215781			15	
1,2-Dichlorobenzene	1.454799	3.745045	5.2735	2.287191E-02			15	
3,3'-Dichlorobenzidine	0.3834744	12.84544	13.78412	1.882451E-02			15	
2,6-Dichlorophenol	0.2832	3.289974	6.61125	3.843761E-02			15	
2,4-Dichlorophenol	0.2992222	4.667322	6.338625	5.605464E-02			CCC (30)	
Diethylphthalate	1.275695	3.014484	9.19125	4.919114E-02			15	
2,4-Dimethylphenol	0.3493162	3.096625	6.114875	5.387616E-02			15	
Dimethyl phthalate	1.296933	3.434812	8.33725	4.431741E-02			15	
4,6-Dinitro-2-methylphenol	0.1014239	35.8407	9.379	7.469956E-02	0.9972822		0.995	
2,4-Dinitrophenol	0.1068214	43.18958	8.702143	4.903938E-02		0.9973152	SPCC (0.05)	
2,4-Dinitrotoluene	0.3721936	13.04171	8.889875	0.0631519			15	
2,6-Dinitrotoluene	0.2865519	5.10982	8.421375	5.138237E-02			15	
Di-n-octylphthalate	0.985916	22.25374	14.88813	1.268214E-02	0.9993841		CCC (30)	
1,4-Dioxane	0.5159332	1.37673	2.421625	0.1271675			15	
1,2-Diphenylhydrazine	0.71551	4.887484	9.446875	2.594633E-02			15	
Bis(2-ethylhexyl)phthalate	0.661211	14.17394	13.9205	1.797449E-02			15	
Fluoranthene	1.205185	5.400297	11.87088	2.458397E-02			CCC (30)	
Fluorene	1.348421	6.370343	9.256	3.476573E-02			15	
2-Fluorobiphenyl	1.271699	5.17271	7.796375	3.357512E-02			15	
2-Fluorophenol	1.156679	3.169847	3.79625	6.060748E-02			15	
Hexachlorobenzene	0.2536304	3.030819	10.02588	3.748228E-02			15	
Hexachlorobutadiene	0.1878288	2.778862	6.7305	2.754416E-02			CCC (30)	
Hexachlorocyclopentadiene	0.327255	8.855818	7.60725	1.621192E-02			SPCC (0.05)	
Hexachloroethane	0.5456498	2.208272	5.61075	4.047664E-02			15	
Indeno(1,2,3-cd)pyrene	1.163862	8.260258	17.83087	5.177222E-02			15	
Isophorone	0.6138195	3.363452	5.96525	0.0567797			15	
1-Methylnaphthalene	0.6003693	4.852516	7.460375	3.193891E-02			15	
2-Methylnaphthalene	0.6066831	4.726478	7.33025	8.918535E-03			15	
2-Methylphenol	1.166012	2.98268	5.352875	3.866228E-02			15	
3-Methylphenol	1.216621	2.764021	5.515875	6.588678E-02			15	
4-Methylphenol	1.216621	2.764021	5.515875	6.588678E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2069001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.216621	2.764021	5.515875	6.588678E-02			15	
Naphthalene	1.06258	7.017452	6.51475	4.256359E-02			15	
4-Nitroaniline	0.3073451	7.562568	9.33425	9.010066E-02			15	
3-Nitroaniline	0.3457032	6.907222	8.58575	6.574782E-02			15	
2-Nitroaniline	0.2776535	9.142664	8.08075	4.018846E-02			15	
Nitrobenzene	0.3476709	3.106201	5.710875	3.342214E-02			15	
Nitrobenzene-d5	0.3178558	2.860499	5.69	3.115669E-02			15	
4-Nitrophenol	0.184079	21.75259	8.786	3.302157E-02	0.9992424		SPCC (0.05)	
2-Nitrophenol	0.1761745	10.7703	6.074625	2.777139E-02			CCC (30)	
N-Nitrosodimethylamine	0.5337368	3.929749	2.680625	9.218525E-02			15	
N-Nitrosodiphenylamine	0.6837896	4.384654	9.413125	5.598224E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.8384396	2.219986	5.541375	7.407544E-02			SPCC (0.05)	
Pentachlorophenol	0.1571575	20.17253	10.24225	2.339801E-02	0.9996153		CCC (30)	
Phenanthrene	1.133604	6.875562	10.41662	2.753278E-02			15	
Phenol	1.559627	3.799947	4.713375	0.1059602			CCC (30)	
Phenol-d6	1.455658	4.235182	4.701125	0.1127991			15	
Pyrene	1.220824	5.002827	12.14475	0.0111496			15	
Pyridine	1.432579	2.071852	2.6925	0.2917126			15	
Terphenyl-d14	0.7343801	3.520372	12.35238	2.112124E-02			15	
1,2,4,5-Tetrachlorobenzene	0.321992	3.077555	7.58075	8.798937E-03			15	
2,3,4,6-Tetrachlorophenol	0.3341111	7.221245	9.04225	3.782611E-02			15	
2,4,6-Tribromophenol	0.1167875	6.343785	9.576625	3.488301E-02			15	
1,2,4-Trichlorobenzene	0.3483372	3.784414	6.4435	5.238815E-03			15	
2,4,6-Trichlorophenol	0.3611826	5.914347	7.70325	2.642572E-02			CCC (30)	
2,4,5-Trichlorophenol	0.3737015	6.890821	7.74425	3.211495E-02			15	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.161968	10	1.151557	20	1.156721	40	1.181851	50	1.198065	60	1.20165
Acenaphthylene	5	1.904777	10	2.021974	20	1.975813	40	2.139691	50	2.012485	60	2.03005
Acetophenone												
Aniline	5	2.094677	10	2.094576	20	2.146946	40	2.222188	50	2.16157	60	2.221941
Anthracene	5	1.068377	10	1.119439	20	1.129703	40	1.154604	50	1.146205	60	1.280512
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.080076	10	1.03568	20	1.107259	40	1.163665	50	1.135552	60	1.150323
Benzo(a)pyrene	5	1.010815	10	0.9729895	20	1.023682	40	1.069816	50	1.049883	60	1.072029
Benzo(b)fluoranthene	5	1.077207	10	1.05482	20	1.152432	40	1.105239	50	1.235551	60	1.132566
Benzo(g,h,i)perylene	5	0.9694037	10	0.9306235	20	0.9754772	40	1.035463	50	1.022342	60	1.024955
Benzoic acid	5	~~0.1037087~~	10	0.1148764	20	0.1472478	40	0.1936789	50	0.1994909	60	0.2026924
Benzo(k)fluoranthene	5	1.094603	10	1.178088	20	1.226972	40	1.348457	50	1.214907	60	1.29562
Benzyl alcohol	5	0.9482747	10	0.8989879	20	0.9366554	40	0.9714658	50	0.9551847	60	0.9873282
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2180454	10	0.2127134	20	0.2204897	40	0.2275898	50	0.2307165	60	0.2393716
Butylbenzylphthalate	5	0.608763	10	0.5882832	20	0.6538192	40	0.6772373	50	0.6646925	60	0.6764421
Caprolactam												
Carbazole	5	1.004365	10	1.079322	20	1.108562	40	1.089658	50	1.107693	60	1.174686
4-Chloro-3-methylphenol	5	0.2509159	10	0.253181	20	0.2719407	40	0.2755829	50	0.2779111	60	0.2792447
4-Chloroaniline	5	0.4180964	10	0.4173394	20	0.4250312	40	0.4472673	50	0.4350864	60	0.4384521
Bis(2-chloroethoxy)methane	5	0.4038542	10	0.4002993	20	0.4133312	40	0.4232841	50	0.4142648	60	0.4230692
Bis(2-chloroethyl)ether	5	1.405527	10	1.417114	20	1.474901	40	1.474288	50	1.471975	60	1.503152
2,2'-Oxybis-1-chloropropane	5	1.96286	10	1.935141	20	2.130772	40	2.127112	50	2.083334	60	2.142483
2-Chloronaphthalene	5	1.185991	10	1.170466	20	1.20243	40	1.260104	50	1.226346	60	1.228512
2-Chlorophenol	5	1.434835	10	1.364692	20	1.453959	40	1.466251	50	1.449829	60	1.510478
4-Chlorophenyl phenyl ether	5	0.5845121	10	0.6043667	20	0.6343459	40	0.669489	50	0.6245017	60	0.6422736
Chrysene	5	0.9733657	10	1.011716	20	1.03841	40	1.080794	50	1.027483	60	1.063671
Dibenz(a,h)anthracene	5	1.000408	10	0.9688227	20	1.018225	40	1.084473	50	1.069281	60	1.088154
Dibenzofuran	5	1.676309	10	1.686981	20	1.650578	40	1.730242	50	1.720127	60	1.717234

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.364556	10	1.354398	20	1.397021	40	1.470968	50	1.45481	60	1.567999
1,4-Dichlorobenzene	5	1.580384	10	1.499627	20	1.585057	40	1.621617	50	1.572086	60	1.655087
1,3-Dichlorobenzene	5	1.591026	10	1.53498	20	1.540984	40	1.581125	50	1.572042	60	1.621597
1,2-Dichlorobenzene	5	1.510542	10	1.462846	20	1.499633	40	1.519469	50	1.502297	60	1.529213
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2557547	10	0.2536411	20	0.2605666	40	0.2730251	50	0.2714499	60	0.2799872
Diethylphthalate	5	1.341014	10	1.330944	20	1.32738	40	1.401411	50	1.387514	60	1.40216
2,4-Dimethylphenol	5	0.3139852	10	0.31846	20	0.3147808	40	0.3468539	50	0.3367469	60	0.3364998
Dimethyl phthalate	5	1.352597	10	1.296051	20	1.292901	40	1.372516	50	1.333485	60	1.326581
4,6-Dinitro-2-methylphenol	5	~~3.830081E-02~~	10	6.071014E-02	20	7.465803E-02	40	0.1083456	50	0.1090569	60	0.1298184
2,4-Dinitrophenol	5	~~6.368314E-02~~	10	0.0622151	20	8.039792E-02	40	0.1059293	50	0.1216251	60	0.1335469
2,4-Dinitrotoluene	5	0.2378706	10	0.3012638	20	0.3547327	40	0.4151537	50	0.4263045	60	0.4207274
2,6-Dinitrotoluene	5	0.2392889	10	0.2761442	20	0.3261465	40	0.3481893	50	0.3388437	60	0.3444069
Di-n-octylphthalate	5	1.426919	10	1.325434	20	1.460165	40	1.522471	50	1.532767	60	1.560356
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.7747735	10	0.8484203	20	0.8478481	40	0.8399828	50	0.8139992	60	0.8917487
Bis(2-ethylhexyl)phthalate	5	0.8392993	10	0.8056911	20	0.8478024	40	0.9284979	50	0.923968	60	0.9345099
Fluoranthene	5	1.01877	10	1.064579	20	1.081046	40	1.095411	50	1.123357	60	1.225526
Fluorene	5	1.356581	10	1.378304	20	1.373212	40	1.500642	50	1.425924	60	1.479014
2-Fluorobiphenyl	5	1.272639	10	1.217476	20	1.241881	40	1.274994	50	1.269822	60	1.291529
2-Fluorophenol	10	1.273135	20	1.283699	40	1.310558	80	1.365061	100	1.360041	120	1.402106
Hexachlorobenzene	5	0.2685738	10	0.2740981	20	0.2706663	40	0.2870307	50	0.2777394	60	0.2933359
Hexachlorobutadiene	5	0.1539715	10	0.150464	20	0.1556048	40	0.1576886	50	0.1576385	60	0.1598688
Hexachlorocyclopentadiene	5	0.2917045	10	0.3136204	20	0.3071897	40	0.3503157	50	0.35624	60	0.3742259
Hexachloroethane	5	0.6293979	10	0.5970417	20	0.6085271	40	0.6338203	50	0.6140456	60	0.6566513
Indeno(1,2,3-cd)pyrene	5	1.123214	10	1.124318	20	1.158835	40	1.221829	50	1.199639	60	1.225393
Isophorone	5	0.6522636	10	0.6451804	20	0.6583519	40	0.6809717	50	0.6521182	60	0.6637842
1-Methylnaphthalene	5	0.4948104	10	0.4873029	20	0.5019744	40	0.515995	50	0.5077004	60	0.5254016
2-Methylnaphthalene	5	0.5173813	10	0.4969574	20	0.5263976	40	0.5346577	50	0.5111984	60	0.5316771
2-Methylphenol	5	1.279748	10	1.27306	20	1.311908	40	1.341731	50	1.321748	60	1.377561

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
4-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
3-Methylphenol/4-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
Naphthalene	5	0.9973685	10	0.9932663	20	1.038539	40	1.052592	50	1.032365	60	1.072938
4-Nitroaniline	5	0.2836237	10	0.3376835	20	0.3539387	40	0.3953087	50	0.3873212	60	0.3822713
3-Nitroaniline	5	0.3281862	10	0.3357374	20	0.3744473	40	0.4098824	50	0.4249803	60	0.4113152
2-Nitroaniline	5	0.2662015	10	0.2632273	20	0.278424	40	0.3129025	50	0.3162098	60	0.3251435
Nitrobenzene	5	0.3113957	10	0.3078793	20	0.324247	40	0.3400459	50	0.3296321	60	0.3344832
Nitrobenzene-d5	5	0.2731591	10	0.258044	20	0.2766675	40	0.2935361	50	0.282447	60	0.2939095
4-Nitrophenol	5	0.1555746	10	0.1636942	20	0.1997211	40	0.2153259	50	0.2222478	60	0.2175585
2-Nitrophenol	5	0.1447008	10	0.1527646	20	0.1642655	40	0.18209	50	0.1818521	60	0.1916847
N-Nitrosodimethylamine	5	0.5746752	10	0.6157148	20	0.6183414	40	0.6073978	50	0.5975695	60	0.6273782
N-Nitrosodiphenylamine	5	0.6461984	10	0.6552622	20	0.6777329	40	0.6803208	50	0.6867554	60	0.7159369
N-Nitroso-di-n-propylamine	5	0.8576693	10	0.8801086	20	0.9275215	40	0.9450758	50	0.940773	60	0.9589688
Pentachlorophenol	5	~~0.119421~~	10	0.1359265	20	0.1521267	40	0.1769353	50	0.1775256	60	0.2005545
Phenanthrene	5	1.084579	10	1.11621	20	1.11388	40	1.142429	50	1.092656	60	1.229403
Phenol	5	1.76087	10	1.725025	20	1.88744	40	1.929344	50	1.881225	60	1.942958
Phenol-d6	10	1.682404	20	1.707436	40	1.779276	80	1.87192	100	1.860248	120	1.908218
Pyrene	5	1.217884	10	1.231855	20	1.277639	40	1.330188	50	1.304321	60	1.359186
Pyridine	5	1.483205	10	1.610642	20	1.652019	40	1.619155	50	1.5505	60	1.587851
Terphenyl-d14	5	0.7097761	10	0.6977154	20	0.7413135	40	0.7750112	50	0.7497802	60	0.7542182
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2585672	10	0.2882485	20	0.3024092	40	0.3469725	50	0.3523921	60	0.339056
2,4,6-Tribromophenol	10	0.130379	20	0.1379283	40	0.1531041	80	0.1603463	100	0.1582507	120	0.1695823
1,2,4-Trichlorobenzene	5	0.2914184	10	0.2950457	20	0.322782	40	0.3151453	50	0.3091896	60	0.3171318
2,4,6-Trichlorophenol	5	0.3536717	10	0.3775592	20	0.3749088	40	0.3911854	50	0.4071929	60	0.3986486
2,4,5-Trichlorophenol	5	0.3593361	10	0.3735986	20	0.3798405	40	0.4114226	50	0.416676	60	0.4086956

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.230609	100	1.240039								
Acenaphthylene	80	2.077199	100	2.075886								
Acetophenone					5	1.623866	10	1.586929	20	1.652412	40	1.693326
Aniline	80	2.142439	100	2.092817								
Anthracene	80	1.237959	100	1.205183								
Atrazine					5	0.1559039	10	0.1753069	20	0.184148	40	0.1908914
Benzaldehyde					5	1.202333	10	1.147468	20	1.18616	40	1.111811
Benzidine					5	0.574859	10	0.6327611	20	0.6987611	40	0.7226365
Benzo(a)anthracene	80	1.141827	100	1.136699								
Benzo(a)pyrene	80	1.047169	100	1.075648								
Benzo(b)fluoranthene	80	1.140184	100	1.12306								
Benzo(g,h,i)perylene	80	1.009559	100	1.022248								
Benzoic acid	80	0.2228023	100	0.2356122								
Benzo(k)fluoranthene	80	1.239425	100	1.227666								
Benzyl alcohol	80	0.9646761	100	0.9817096								
1,1-Biphenyl					5	1.412373	10	1.419922	20	1.493173	40	1.549489
4-Bromophenyl-phenylether	80	0.2454232	100	0.2329818								
Butylbenzylphthalate	80	0.6729163	100	0.6910243								
Caprolactam					5	0.0832012	10	8.319794E-02	20	9.352835E-02	40	0.1001537
Carbazole	80	1.193345	100	1.118606								
4-Chloro-3-methylphenol	80	0.2779237	100	0.2846458								
4-Chloroaniline	80	0.4366614	100	0.4372452								
Bis(2-chloroethoxy)methane	80	0.4208617	100	0.4211067								
Bis(2-chloroethyl)ether	80	1.456098	100	1.469373								
2,2'-Oxybis-1-chloropropane	80	2.1302	100	2.152363								
2-Chloronaphthalene	80	1.241694	100	1.233761								
2-Chlorophenol	80	1.452813	100	1.49076								
4-Chlorophenyl phenyl ether	80	0.6346272	100	0.6314523								
Chrysene	80	1.050371	100	1.029725								
Dibenz(a,h)anthracene	80	1.064213	100	1.076704								
Dibenzofuran	80	1.810505	100	1.794061								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.616891	100	1.382475								
1,4-Dichlorobenzene	80	1.585824	100	1.627584								
1,3-Dichlorobenzene	80	1.612754	100	1.62946								
1,2-Dichlorobenzene	80	1.501473	100	1.532291								
3,3'-Dichlorobenzidine					5	0.3685403	10	0.3888846	20	0.4085134	40	0.4460126
2,6-Dichlorophenol					5	0.2208761	10	0.2329345	20	0.2429871	40	0.2614339
2,4-Dichlorophenol	80	0.2812247	100	0.2848209								
Diethylphthalate	80	1.473397	100	1.447479								
2,4-Dimethylphenol	80	0.3363599	100	0.3432755								
Dimethyl phthalate	80	1.374157	100	1.387301								
4,6-Dinitro-2-methylphenol	80	0.13643	100	0.1407258								
2,4-Dinitrophenol	80	0.1580685	100	0.1744041								
2,4-Dinitrotoluene	80	0.4463764	100	0.4723159								
2,6-Dinitrotoluene	80	0.3571414	100	0.3629939								
Di-n-octylphthalate	80	1.584751	100	1.627761								
1,4-Dioxane					5	0.5996203	10	0.6461232	20	0.6161189	40	0.6482877
1,2-Diphenylhydrazine	80	0.8571127	100	0.8337686								
Bis(2-ethylhexyl)phthalate	80	0.9307869	100	0.9063226								
Fluoranthene	80	1.213546	100	1.113814								
Fluorene	80	1.460679	100	1.481668								
2-Fluorobiphenyl	80	1.315879	100	1.33231								
2-Fluorophenol	160	1.354273	200	1.412455								
Hexachlorobenzene	80	0.2848165	100	0.2716463								
Hexachlorobutadiene	80	0.1567604	100	0.1631961								
Hexachlorocyclopentadiene	80	0.3862975	100	0.3537393								
Hexachloroethane	80	0.6408248	100	0.6521842								
Indeno(1,2,3-cd)pyrene	80	1.197154	100	1.210112								
Isophorone	80	0.6622899	100	0.6705676								
1-Methylnaphthalene	80	0.5228655	100	0.5189085								
2-Methylnaphthalene	80	0.5288301	100	0.5511595								
2-Methylphenol	80	1.358679	100	1.352419								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.380139	100	1.411678								
4-Methylphenol	80	1.380139	100	1.411678								
3-Methylphenol/4-Methylphenol	80	1.380139	100	1.411678								
Naphthalene	80	~~1.057764~~	100	~~1.032615~~								
4-Nitroaniline	80	0.3906273	100	0.4037952								
3-Nitroaniline	80	0.4344135	100	0.4318199								
2-Nitroaniline	80	0.3304263	100	0.3235494								
Nitrobenzene	80	0.3267173	100	0.3335563								
Nitrobenzene-d5	80	0.2886464	100	0.2979063								
4-Nitrophenol	80	0.2264359	100	0.2304444								
2-Nitrophenol	80	0.1893816	100	0.1990328								
N-Nitrosodimethylamine	80	0.6008002	100	0.5999289								
N-Nitrosodiphenylamine	80	0.755926	100	0.6976598								
N-Nitroso-di-n-propylamine	80	0.93923	100	0.967288								
Pentachlorophenol	80	0.1928405	100	0.1884045								
Phenanthrene	80	1.235559	100	1.155804								
Phenol	80	1.878776	100	2.02591								
Phenol-d6	160	1.867823	200	1.903971								
Pyrene	80	1.305259	100	1.286325								
Pyridine	80	1.57686	100	1.611854								
Terphenyl-d14	80	0.7487272	100	0.7284106								
1,2,4,5-Tetrachlorobenzene					5	0.262221	10	0.2603606	20	0.2775061	40	0.2793494
2,3,4,6-Tetrachlorophenol	80	0.3555243	100	0.3686575								
2,4,6-Tribromophenol	160	0.1684826	200	0.1614411								
1,2,4-Trichlorobenzene	80	0.3138321	100	0.3169212								
2,4,6-Trichlorophenol	80	0.4252847	100	0.4283547								
2,4,5-Trichlorophenol	80	0.4434029	100	0.4381242								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.725106	60	1.726936	80	1.726324	100	1.758024				
Aniline												
Anthracene												
Atrazine	50	0.1975889	60	0.1951995	80	0.2023761	100	0.2069335				
Benzaldehyde	50	1.096628	60	1.056631	80	1.02174	100	0.95103				
Benzidine	50	0.7570663	60	0.7353975	80	0.7650554	100	0.7455493				
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	1.517844	60	1.539983	80	1.607053	100	1.599259				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1010837	60	0.1072334	80	0.1068057	100	0.1058673				
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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	0.4664608	60	0.4567379	80	0.4707479	100	0.4630452				
2,6-Dichlorophenol	50	0.2565818	60	0.2724041	80	0.2645774	100	0.2682274				
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	0.6248279	60	0.6246871	80	0.6222392	100	0.6243288				
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_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2121007	Instrument:	MS-BNA1	
Matrix:	Water	Calibration Dates:	4/27/12 18:27	4/28/12 1:13

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.2746832	60	0.2863037	80	0.280573	100	0.285427				
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_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2121007		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	4/27/12 18:27	4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.190308	2.802733	8.62725	5.200993E-02			CCC (30)	
Acenaphthylene	2.029734	3.501278	8.40275	3.270555E-02			15	
Acetophenone	1.686615	3.534276	5.49075	8.375776E-02			15	
Aniline	2.147144	2.484715	4.71875	1.252149E-02			15	
Anthracene	1.167748	5.909907	10.44275	4.495866E-02			15	
Atrazine	0.1885435	8.786326	10.07137	5.969203E-02			15	
Benzaldehyde	1.096725	7.737807	4.5795	1.734072E-03			15	
Benzidine	0.7040108	9.510855	12.01087	3.010413E-02			15	
Benzo(a)anthracene	1.118885	3.803765	13.72675	4.125532E-02			15	
Benzo(a)pyrene	1.040254	3.435929	15.92212	5.441474E-02			CCC (30)	
Benzo(b)fluoranthene	1.127632	4.835276	15.40812	3.644915E-02			15	
Benzo(g,h,i)perylene	0.9987589	3.650307	18.13725	7.132317E-02			15	
Benzoic acid	0.1880573	22.62925	6.219143	0.5037606	0.9953867		0.995	
Benzo(k)fluoranthene	1.228217	6.129328	15.44637	0.0526407			15	
Benzyl alcohol	0.9555353	2.970633	5.19225	9.964504E-02			15	
1,1-Biphenyl	1.517387	4.817011	7.880625	6.054111E-02			15	
4-Bromophenyl-phenylether	0.2284164	4.832906	9.82075	3.396321E-02			15	
Butylbenzylphthalate	0.6541472	5.557539	12.99688	2.695455E-02			15	
Caprolactam	9.763391E-02	10.21206	6.929	0.1186519			15	
Carbazole	1.10953	5.246945	10.64888	4.295302E-02			15	
4-Chloro-3-methylphenol	0.2714182	4.60022	7.156375	6.849662E-02			CCC (30)	
4-Chloroaniline	0.4318974	2.460069	6.585	2.259744E-02			15	
Bis(2-chloroethoxy)methane	0.4150089	2.134025	6.2085	9.025068E-02			15	
Bis(2-chloroethyl)ether	1.459053	2.218473	4.77725	1.438265E-02			15	
2,2'-Oxybis-1-chloropropane	2.083033	4.101771	5.3635	2.074088E-02			15	
2-Chloronaphthalene	1.218663	2.458937	7.89175	3.908554E-02			15	
2-Chlorophenol	1.452952	2.971075	4.835875	1.683628E-02			15	
4-Chlorophenyl phenyl ether	0.6281961	4.028395	9.23275	1.848591E-02			15	
Chrysene	1.034442	3.183143	13.79163	3.803345E-02			15	
Dibenz(a,h)anthracene	1.046285	4.255835	17.72362	0.0511616			15	
Dibenzofuran	1.723255	3.217736	8.814	3.023361E-02			15	
Di-n-butylphthalate	1.45114	6.693139	11.13137	2.195434E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.590908	2.935272	5.040875	2.028116E-02			CCC (30)	
1,3-Dichlorobenzene	1.585496	2.229056	4.992375	1.341201E-02			15	
1,2-Dichlorobenzene	1.507221	1.453016	5.248375	7.261098E-02			15	
3,3'-Dichlorobenzidine	0.4336178	9.091065	13.72325	2.994341E-02			15	
2,6-Dichlorophenol	0.2525028	7.270602	6.59125	0.0693189			15	
2,4-Dichlorophenol	0.2700588	4.461403	6.319875	5.452827E-02			CCC (30)	
Diethylphthalate	1.388912	3.881271	9.1705	4.977807E-02			15	
2,4-Dimethylphenol	0.3308702	3.963317	6.096	4.544506E-03			15	
Dimethyl phthalate	1.341949	2.666352	8.316	3.866149E-02			15	
4,6-Dinitro-2-methylphenol	0.108535	28.40459	9.357143	6.719416E-02		0.9960523	0.99	
2,4-Dinitrophenol	0.1194553	33.65668	8.680429	6.867936E-02		0.9969981	SPCC (0.05)	
2,4-Dinitrotoluene	0.3843431	20.82736	8.868	7.503113E-02	0.9968686		0.995	
2,6-Dinitrotoluene	0.3241444	13.45314	8.399125	7.037597E-02			15	
Di-n-octylphthalate	1.505078	6.447733	14.80562	3.530081E-02			CCC (30)	
1,4-Dioxane	0.6257791	2.501185	2.369	0.1375627			15	
1,2-Diphenylhydrazine	0.8384567	4.045453	9.422125	4.272995E-02			15	
Bis(2-ethylhexyl)phthalate	0.8896098	5.700965	13.855	0.0133929			15	
Fluoranthene	1.117006	6.357939	11.83962	2.848839E-02			CCC (30)	
Fluorene	1.432003	3.939352	9.23275	1.848591E-02			15	
2-Fluorobiphenyl	1.277066	2.904756	7.77625	1.659451E-02			15	
2-Fluorophenol	1.345166	3.835588	3.762875	1.640586E-02			15	
Hexachlorobenzene	0.2784884	3.210559	10.00313	4.272489E-02			15	
Hexachlorobutadiene	0.1568991	2.424806	6.7115	1.222374E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3416666	9.867508	7.5885	5.552036E-02			SPCC (0.05)	
Hexachloroethane	0.6290616	3.361161	5.58825	2.242227E-02			15	
Indeno(1,2,3-cd)pyrene	1.182562	3.518308	17.69563	4.887154E-02			15	
Isophorone	0.6606909	1.727198	5.943375	9.061499E-02			15	
1-Methylnaphthalene	0.5093698	2.706573	7.43775	0.0537879			15	
2-Methylnaphthalene	0.5247824	3.117321	7.308	1.301214E-02			15	
2-Methylphenol	1.327107	2.822361	5.334	0.015719			15	
3-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	
4-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	
Naphthalene	1.031178	3.016696	6.493333	6.376222E-02	0.9992087		0.995	
4-Nitroaniline	0.3668212	10.97296	9.31025	8.809643E-02			15	
3-Nitroaniline	0.3938478	10.80794	8.564875	8.654626E-02			15	
2-Nitroaniline	0.3020105	9.255583	8.061625	4.272494E-02			15	
Nitrobenzene	0.3259946	3.448714	5.685625	1.531882E-02			15	
Nitrobenzene-d5	0.2830395	4.710226	5.6665	0.0154909			15	
4-Nitrophenol	0.2038753	14.16205	8.765625	0.031511			SPCC (0.05)	
2-Nitrophenol	0.1757215	11.1424	6.0555	5.614731E-02			CCC (30)	
N-Nitrosodimethylamine	0.6052258	2.662057	2.6325	0.1313057			15	
N-Nitrosodiphenylamine	0.689474	5.040815	9.39175	5.074671E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.9270794	4.141029	5.518375	6.368412E-02			SPCC (0.05)	
Pentachlorophenol	0.1749019	13.22662	10.21814	2.991729E-02			CCC (30)	
Phenanthrene	1.146315	5.067651	10.3905	3.001677E-02			15	
Phenol	1.878943	5.165757	4.691625	9.934238E-02			CCC (30)	
Phenol-d6	1.822662	4.847363	4.677375	0.1553715			15	
Pyrene	1.289082	3.659878	12.11263	2.505709E-02			15	
Pyridine	1.586511	3.253083	2.646	0.2856649			15	
Terphenyl-d14	0.7381191	3.400099	12.31763	0.0264079			15	
1,2,4,5-Tetrachlorobenzene	0.275803	3.534787	7.563	9.094939E-03			15	
2,3,4,6-Tetrachlorophenol	0.3264784	11.87717	9.02125	3.966309E-02			15	
2,4,6-Tribromophenol	0.1549393	9.049827	9.55475	5.346473E-02			15	
1,2,4-Trichlorobenzene	0.3101833	3.599461	6.423625	8.677518E-02			15	
2,4,6-Trichlorophenol	0.3946008	6.511076	7.682375	5.548124E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4038871	7.520122	7.725125	4.486581E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV1	Injection Time:	18:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	52.00	1.227044	1.276056		4.0	20
Acenaphthylene	A	50.00	52.76	1.852065	1.9543		5.5	20
Anthracene	A	50.00	52.66	1.133012	1.193222		5.3	20
Benzo(a)anthracene	A	50.00	53.98	1.103689	1.191454		8.0	20
Benzo(a)pyrene	A	50.00	55.43	1.023811	1.135096		10.9	20
Benzo(b)fluoranthene	A	50.00	54.33	1.0754	1.168493		8.7	20
Benzo(g,h,i)perylene	A	50.00	55.39	1.01249	1.121541		10.8	20
Benzoic acid	L	50.00	46.08	0.1648649	0.1729295		-7.8	20
Benzo(k)fluoranthene	A	50.00	54.24	1.219317	1.322736		8.5	20
4-Bromophenyl-phenylether	A	50.00	52.23	0.2337657	0.2442136		4.5	20
Butylbenzylphthalate	A	50.00	56.72	0.4859791	0.5513246		13.4	20
Carbazole	A	50.00	52.23	1.0754	1.123304		4.5	20
4-Chloro-3-methylphenol	A	50.00	53.61	0.2837354	0.3042309		7.2	20
4-Chloroaniline	A	50.00	52.05	0.4371268	0.4550255		4.1	20
Bis(2-chloroethoxy)methane	A	50.00	51.99	0.3933903	0.4090713		4.0	20
Bis(2-chloroethyl)ether	A	50.00	50.55	1.211893	1.225259		1.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.11	1.445655	1.47773		2.2	20
2-Chloronaphthalene	A	50.00	52.20	1.153308	1.203964		4.4	20
2-Chlorophenol	A	50.00	52.54	1.325446	1.392684		5.1	20
4-Chlorophenyl phenyl ether	A	50.00	51.27	0.6302053	0.6462343		2.5	20
Chrysene	A	50.00	54.42	1.078355	1.173791		8.9	20
Dibenz(a,h)anthracene	A	50.00	56.25	0.9600494	1.080018		12.5	20
Dibenzofuran	A	50.00	52.18	1.660029	1.732339		4.4	20
Di-n-butylphthalate	A	50.00	51.77	1.17206	1.213573		3.5	20
2,4-Dichlorophenol	A	50.00	52.71	0.2992222	0.3154283		5.4	20
Diethylphthalate	A	50.00	51.93	1.275695	1.324972		3.9	20
2,4-Dimethylphenol	A	50.00	53.42	0.3493162	0.3732116		6.8	20
Dimethyl phthalate	A	50.00	50.82	1.296933	1.318188		1.6	20
4,6-Dinitro-2-methylphenol	L	50.00	51.69	0.1014239	0.1293189		3.4	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV1	Injection Time:	18:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	50.10	0.1068214	0.1183792	0.05	0.2	20
2,4-Dinitrotoluene	A	50.00	55.80	0.3721936	0.4153476		11.6	20
2,6-Dinitrotoluene	A	50.00	54.85	0.2865519	0.3143413		9.7	20
Di-n-octylphthalate	L	50.00	53.13	0.985916	1.178154		6.3	20
1,2-Diphenylhydrazine	A	50.00	52.23	0.71551	0.7473915		4.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.17	0.661211	0.756006		14.3	20
Fluoranthene	A	50.00	51.90	1.205185	1.251031		3.8	20
Fluorene	A	50.00	52.22	1.348421	1.408386		4.4	20
Hexachlorobenzene	A	50.00	52.07	0.2536304	0.2641153		4.1	20
Hexachlorobutadiene	A	50.00	56.24	0.1878288	0.2112509		12.5	20
Hexachlorocyclopentadiene	A	50.00	48.84	0.327255	0.3196786	0.05	-2.3	20
Hexachloroethane	A	50.00	51.26	0.5456498	0.5593946		2.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.66	1.163862	1.295695		11.3	20
Isophorone	A	50.00	51.91	0.6138195	0.6372433		3.8	20
1-Methylnaphthalene	A	50.00	51.32	0.6003693	0.6162421		2.6	20
2-Methylnaphthalene	A	50.00	52.13	0.6066831	0.6325463		4.3	20
2-Methylphenol	A	50.00	53.12	1.166012	1.238661		6.2	20
3-Methylphenol/4-Methylphenol	A	50.00	52.22	1.216621	1.270688		4.4	20
Naphthalene	A	50.00	57.39	1.06258	1.219699		14.8	20
4-Nitroaniline	A	50.00	55.53	0.3073451	0.3413505		11.1	20
3-Nitroaniline	A	50.00	53.42	0.3457032	0.3693171		6.8	20
2-Nitroaniline	A	50.00	56.27	0.2776535	0.312493		12.5	20
Nitrobenzene	A	50.00	51.96	0.3476709	0.361304		3.9	20
4-Nitrophenol	L	50.00	51.53	0.184079	0.2140291	0.05	3.1	20
2-Nitrophenol	A	50.00	54.11	0.1761745	0.1906549		8.2	20
N-Nitrosodiphenylamine	A	50.00	51.80	0.6837896	0.7084296		3.6	20
N-Nitroso-di-n-propylamine	A	50.00	52.16	0.8384396	0.8745855	0.05	4.3	20
Pentachlorophenol	L	50.00	56.52	0.1571575	0.1989195		13.0	20
Phenanthrene	A	50.00	52.87	1.133604	1.198731		5.7	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV1	Injection Time:	18:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	51.42	1.559627	1.603889		2.8	20
Pyrene	A	50.00	51.29	1.220824	1.252269		2.6	20
2,4,6-Trichlorophenol	A	50.00	54.67	0.3611826	0.3949292		9.3	20
2,4,5-Trichlorophenol	A	50.00	54.87	0.3737015	0.410079		9.7	20
2-Fluorobiphenyl	A	50.00	53.51	1.271699	1.360853		7.0	20
2-Fluorophenol	A	100.0	109.3	1.156679	1.263771		9.3	20
Nitrobenzene-d5	A	50.00	54.93	0.3178558	0.3492182		9.9	20
Phenol-d6	A	100.0	98.29	1.455658	1.430708		-1.7	20
Terphenyl-d14	A	50.00	57.87	0.7343801	0.8500266		15.7	20
2,4,6-Tribromophenol	A	100.0	103.0	0.1167875	0.1202622		3.0	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV2	Injection Time:	18:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.95	1.643122	1.608628		-2.1	20
Atrazine	A	50.00	49.96	0.1980708	0.1979183		-0.08	20
Benzaldehyde	A	50.00	40.93	0.9775285	0.8002035		-18.1	20
Benzidine	A	50.00	46.04	0.5995572	0.5520445		-7.9	20
1,1-Biphenyl	A	50.00	50.58	1.520101	1.537665		1.2	20
Caprolactam	L	50.00	51.48	8.993659E-02	0.1016629		3.0	20
3,3'-Dichlorobenzidine	A	50.00	51.46	0.3834744	0.394669		2.9	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	53.37	1.190308	1.270645		6.7	20
Acenaphthylene	A	50.00	51.60	2.029734	2.094738		3.2	20
Anthracene	A	50.00	52.45	1.167748	1.224973		4.9	20
Benzo(a)anthracene	A	50.00	52.37	1.118885	1.171954		4.7	20
Benzo(a)pyrene	A	50.00	53.27	1.040254	1.1082		6.5	20
Benzo(b)fluoranthene	A	50.00	55.07	1.127632	1.241907		10.1	20
Benzo(g,h,i)perylene	A	50.00	52.99	0.9987589	1.058391		6.0	20
Benzoic acid	L	50.00	49.27	0.1880573	0.204541		-1.5	20
Benzo(k)fluoranthene	A	50.00	51.68	1.228217	1.26948		3.4	20
4-Bromophenyl-phenylether	A	50.00	51.73	0.2284164	0.236299		3.5	20
Butylbenzylphthalate	A	50.00	50.58	0.6541472	0.6616698		1.1	20
Carbazole	A	50.00	52.09	1.10953	1.155978		4.2	20
4-Chloro-3-methylphenol	A	50.00	53.74	0.2714182	0.2916976		7.5	20
4-Chloroaniline	A	50.00	52.00	0.4318974	0.4491373		4.0	20
Bis(2-chloroethoxy)methane	A	50.00	54.79	0.4150089	0.4547406		9.6	20
Bis(2-chloroethyl)ether	A	50.00	52.01	1.459053	1.517665		4.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.99	2.083033	2.207703		6.0	20
2-Chloronaphthalene	A	50.00	53.09	1.218663	1.293914		6.2	20
2-Chlorophenol	A	50.00	51.11	1.452952	1.485181		2.2	20
4-Chlorophenyl phenyl ether	A	50.00	56.17	0.6281961	0.7057315		12.3	20
Chrysene	A	50.00	53.78	1.034442	1.112657		7.6	20
Dibenz(a,h)anthracene	A	50.00	53.15	1.046285	1.112098		6.3	20
Dibenzofuran	A	50.00	54.72	1.723255	1.886063		9.4	20
Di-n-butylphthalate	A	50.00	50.08	1.45114	1.453599		0.2	20
2,4-Dichlorophenol	A	50.00	53.04	0.2700588	0.286501		6.1	20
Diethylphthalate	A	50.00	53.11	1.388912	1.475274		6.2	20
2,4-Dimethylphenol	A	50.00	54.03	0.3308702	0.3575516		8.1	20
Dimethyl phthalate	A	50.00	50.98	1.341949	1.368145		2.0	20
4,6-Dinitro-2-methylphenol	Q	50.00	52.60	0.108535	0.1254606		5.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	53.38	0.1194553	0.1355659	0.05	6.8	20
2,4-Dinitrotoluene	L	50.00	52.33	0.3843431	0.4580241		4.7	20
2,6-Dinitrotoluene	A	50.00	55.80	0.3241444	0.3617265		11.6	20
Di-n-octylphthalate	A	50.00	51.13	1.505078	1.539164		2.3	20
1,2-Diphenylhydrazine	A	50.00	51.91	0.8384567	0.8704767		3.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	51.17	0.8896098	0.910384		2.3	20
Fluoranthene	A	50.00	53.82	1.117006	1.202255		7.6	20
Fluorene	A	50.00	54.69	1.432003	1.566275		9.4	20
Hexachlorobenzene	A	50.00	52.25	0.2784884	0.2910473		4.5	20
Hexachlorobutadiene	A	50.00	59.79	0.1568991	0.1876144		19.6	20
Hexachlorocyclopentadiene	A	50.00	48.07	0.3416666	0.3284781	0.05	-3.9	20
Hexachloroethane	A	50.00	49.92	0.6290616	0.6279954		-0.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.28	1.182562	1.260188		6.6	20
Isophorone	A	50.00	52.32	0.6606909	0.6914106		4.6	20
1-Methylnaphthalene	A	50.00	52.52	0.5093698	0.5350688		5.0	20
2-Methylnaphthalene	A	50.00	52.19	0.5247824	0.5477694		4.4	20
2-Methylphenol	A	50.00	50.58	1.327107	1.342493		1.2	20
3-Methylphenol/4-Methylphenol	A	50.00	51.68	1.35859	1.404137		3.4	20
Naphthalene	L	50.00	59.97	1.031178	1.26872		19.9	20
4-Nitroaniline	A	50.00	55.84	0.3668212	0.409631		11.7	20
3-Nitroaniline	A	50.00	53.33	0.3938478	0.4200828		6.7	20
2-Nitroaniline	A	50.00	56.06	0.3020105	0.338641		12.1	20
Nitrobenzene	A	50.00	52.30	0.3259946	0.3409816		4.6	20
4-Nitrophenol	A	50.00	56.55	0.2038753	0.2305865	0.05	13.1	20
2-Nitrophenol	A	50.00	54.04	0.1757215	0.1899366		8.1	20
N-Nitrosodiphenylamine	A	50.00	50.77	0.689474	0.7000457		1.5	20
N-Nitroso-di-n-propylamine	A	50.00	50.08	0.9270794	0.9285794	0.05	0.2	20
Pentachlorophenol	A	50.00	59.71	0.1749019	0.2088681		19.4	20
Phenanthrene	A	50.00	52.62	1.146315	1.206358		5.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	49.98	1.878943	1.878184		-0.04	20
Pyrene	A	50.00	50.09	1.289082	1.291498		0.2	20
2,4,6-Trichlorophenol	A	50.00	54.76	0.3946008	0.4321696		9.5	20
2,4,5-Trichlorophenol	A	50.00	57.29	0.4038871	0.4627768		14.6	20
2-Fluorobiphenyl	A	50.00	57.47	1.277066	1.467953		14.9	20
2-Fluorophenol	A	100.0	108.3	1.345166	1.456681		8.3	20
Nitrobenzene-d5	A	50.00	53.93	0.2830395	0.3053044		7.9	20
Phenol-d6	A	100.0	96.53	1.822662	1.759373		-3.5	20
Terphenyl-d14	A	50.00	59.12	0.7381191	0.8728151		18.2	20
2,4,6-Tribromophenol	A	100.0	105.7	0.1549393	0.1636947		5.7	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV2	Injection Time:	02:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.99	1.686615	1.652588		-2.0	20
Atrazine	A	50.00	49.75	0.1885435	0.1876111		-0.5	20
Benzaldehyde	A	50.00	43.35	1.096725	0.9508318		-13.3	20
Benzidine	A	50.00	41.57	0.7040108	0.5853802		-16.9	20
1,1-Biphenyl	A	50.00	50.30	1.517387	1.52655		0.6	20
Caprolactam	A	50.00	53.49	9.763391E-02	0.1044466		7.0	20
3,3'-Dichlorobenzidine	A	50.00	50.91	0.4336178	0.4415401		1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV1	Injection Time:	08:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	45.95	1.227044	1.127747		-8.1	20
Acenaphthylene	A	50.00	46.86	1.852065	1.735724		-6.3	20
Anthracene	A	50.00	46.28	1.133012	1.048804		-7.4	20
Benzo(a)anthracene	A	50.00	48.17	1.103689	1.063383		-3.7	20
Benzo(a)pyrene	A	50.00	49.24	1.023811	1.008321		-1.5	20
Benzo(b)fluoranthene	A	50.00	49.40	1.0754	1.062463		-1.2	20
Benzo(g,h,i)perylene	A	50.00	47.47	1.01249	0.9612563		-5.1	20
Benzoic acid	L	50.00	40.76	0.1648649	0.1469464		-18.5	20
Benzo(k)fluoranthene	A	50.00	45.20	1.219317	1.102177		-9.6	20
4-Bromophenyl-phenylether	A	50.00	45.34	0.2337657	0.2119933		-9.3	20
Butylbenzylphthalate	A	50.00	54.74	0.4859791	0.5320138		9.5	20
Carbazole	A	50.00	46.42	1.0754	0.9984657		-7.2	20
4-Chloro-3-methylphenol	A	50.00	46.92	0.2837354	0.2662824		-6.2	20
4-Chloroaniline	A	50.00	46.90	0.4371268	0.4100565		-6.2	20
Bis(2-chloroethoxy)methane	A	50.00	49.78	0.3933903	0.3916371		-0.4	20
Bis(2-chloroethyl)ether	A	50.00	49.84	1.211893	1.208034		-0.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	58.79	1.445655	1.699876		17.6	20
2-Chloronaphthalene	A	50.00	46.36	1.153308	1.069232		-7.3	20
2-Chlorophenol	A	50.00	48.17	1.325446	1.277016		-3.7	20
4-Chlorophenyl phenyl ether	A	50.00	43.18	0.6302053	0.5442608		-13.6	20
Chrysene	A	50.00	45.75	1.078355	0.9866441		-8.5	20
Dibenz(a,h)anthracene	A	50.00	48.19	0.9600494	0.9253876		-3.6	20
Dibenzofuran	A	50.00	45.27	1.660029	1.502905		-9.5	20
Di-n-butylphthalate	A	50.00	49.58	1.17206	1.16217		-0.8	20
2,4-Dichlorophenol	A	50.00	46.00	0.2992222	0.2752633		-8.0	20
Diethylphthalate	A	50.00	46.67	1.275695	1.190737		-6.7	20
2,4-Dimethylphenol	A	50.00	45.38	0.3493162	0.3170064		-9.2	20
Dimethyl phthalate	A	50.00	45.45	1.296933	1.178814		-9.1	20
4,6-Dinitro-2-methylphenol	L	50.00	49.40	0.1014239	0.1227512		-1.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV1	Injection Time:	08:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	40.12	0.1068214	8.661183E-02	0.05	-19.8	20
2,4-Dinitrotoluene	A	50.00	51.29	0.3721936	0.381818		2.6	20
2,6-Dinitrotoluene	A	50.00	48.89	0.2865519	0.2801702		-2.2	20
Di-n-octylphthalate	L	50.00	54.07	0.985916	1.200264		8.1	20
1,2-Diphenylhydrazine	A	50.00	49.60	0.71551	0.7097732		-0.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.20	0.661211	0.7299365		10.4	20
Fluoranthene	A	50.00	44.76	1.205185	1.079026		-10.5	20
Fluorene	A	50.00	45.93	1.348421	1.238744		-8.1	20
Hexachlorobenzene	A	50.00	43.28	0.2536304	0.2195458		-13.4	20
Hexachlorobutadiene	A	50.00	41.62	0.1878288	0.1563568		-16.8	20
Hexachlorocyclopentadiene	A	50.00	49.95	0.327255	0.3269417	0.05	-0.1	20
Hexachloroethane	A	50.00	46.52	0.5456498	0.5077317		-6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	48.84	1.163862	1.13697		-2.3	20
Isophorone	A	50.00	49.30	0.6138195	0.6052773		-1.4	20
1-Methylnaphthalene	A	50.00	45.04	0.6003693	0.5407627		-9.9	20
2-Methylnaphthalene	A	50.00	45.70	0.6066831	0.5545276		-8.6	20
2-Methylphenol	A	50.00	47.50	1.166012	1.10774		-5.0	20
3-Methylphenol/4-Methylphenol	A	50.00	47.81	1.216621	1.163322		-4.4	20
Naphthalene	A	50.00	45.21	1.06258	0.96087		-9.6	20
4-Nitroaniline	A	50.00	48.84	0.3073451	0.3001881		-2.3	20
3-Nitroaniline	A	50.00	49.32	0.3457032	0.3409851		-1.4	20
2-Nitroaniline	A	50.00	56.48	0.2776535	0.3136466		13.0	20
Nitrobenzene	A	50.00	47.61	0.3476709	0.3310723		-4.8	20
4-Nitrophenol	L	50.00	49.80	0.184079	0.2063549	0.05	-0.4	20
2-Nitrophenol	A	50.00	53.28	0.1761745	0.1877272		6.6	20
N-Nitrosodiphenylamine	A	50.00	46.90	0.6837896	0.6414405		-6.2	20
N-Nitroso-di-n-propylamine	A	50.00	50.15	0.8384396	0.8409561	0.05	0.3	20
Pentachlorophenol	L	50.00	46.62	0.1571575	0.1622374		-6.8	20
Phenanthrene	A	50.00	45.50	1.133604	1.0316		-9.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV1	Injection Time:	08:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	52.90	1.559627	1.650235		5.8	20
Pyrene	A	50.00	47.21	1.220824	1.152778		-5.6	20
2,4,6-Trichlorophenol	A	50.00	49.94	0.3611826	0.3607793		-0.1	20
2,4,5-Trichlorophenol	A	50.00	48.64	0.3737015	0.3635341		-2.7	20
2-Fluorobiphenyl	A	50.00	50.49	1.271699	1.284119		1.0	20
2-Fluorophenol	A	100.0	94.26	1.156679	1.090344		-5.7	20
Nitrobenzene-d5	A	50.00	53.55	0.3178558	0.3404186		7.1	20
Phenol-d6	A	100.0	99.75	1.455658	1.452008		-0.3	20
Terphenyl-d14	A	50.00	50.51	0.7343801	0.741868		1.0	20
2,4,6-Tribromophenol	A	100.0	93.98	0.1167875	0.109761		-6.0	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	03/07/12 00:00
Sequence:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV2	Injection Time:	09:18

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	47.42	1.643122	1.558487		-5.2	20
Atrazine	A	50.00	50.26	0.1980708	0.1990993		0.5	20
Benzaldehyde	A	50.00	48.10	0.9775285	0.9404633		-3.8	20
Benzidine	A	50.00	70.80	0.5995572	0.8489591		41.6	20 *
1,1-Biphenyl	A	50.00	47.04	1.520101	1.429978		-5.9	20
Caprolactam	L	50.00	48.40	8.993659E-02	9.516482E-02		-3.2	20
3,3'-Dichlorobenzidine	A	50.00	57.17	0.3834744	0.4384758		14.3	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV1	Injection Time:	13:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.74	1.190308	1.207905		1.5	20
Acenaphthylene	A	50.00	50.83	2.029734	2.063316		1.7	20
Anthracene	A	50.00	53.46	1.167748	1.248667		6.9	20
Benzo(a)anthracene	A	50.00	49.24	1.118885	1.101784		-1.5	20
Benzo(a)pyrene	A	50.00	50.71	1.040254	1.054953		1.4	20
Benzo(b)fluoranthene	A	50.00	49.80	1.127632	1.123037		-0.4	20
Benzo(g,h,i)perylene	A	50.00	52.63	0.9987589	1.051224		5.3	20
Benzoic acid	L	50.00	49.30	0.1880573	0.2046534		-1.4	20
Benzo(k)fluoranthene	A	50.00	51.50	1.228217	1.265153		3.0	20
4-Bromophenyl-phenylether	A	50.00	54.04	0.2284164	0.2468859		8.1	20
Butylbenzylphthalate	A	50.00	46.01	0.6541472	0.6018992		-8.0	20
Carbazole	A	50.00	51.30	1.10953	1.138282		2.6	20
4-Chloro-3-methylphenol	A	50.00	52.07	0.2714182	0.2826587		4.1	20
4-Chloroaniline	A	50.00	53.94	0.4318974	0.4659748		7.9	20
Bis(2-chloroethoxy)methane	A	50.00	52.02	0.4150089	0.4317935		4.0	20
Bis(2-chloroethyl)ether	A	50.00	48.96	1.459053	1.428592		-2.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.66	2.083033	2.152291		3.3	20
2-Chloronaphthalene	A	50.00	51.33	1.218663	1.251149		2.7	20
2-Chlorophenol	A	50.00	49.37	1.452952	1.434778		-1.3	20
4-Chlorophenyl phenyl ether	A	50.00	54.50	0.6281961	0.6846786		9.0	20
Chrysene	A	50.00	51.03	1.034442	1.055768		2.1	20
Dibenz(a,h)anthracene	A	50.00	52.41	1.046285	1.096639		4.8	20
Dibenzofuran	A	50.00	51.56	1.723255	1.777066		3.1	20
Di-n-butylphthalate	A	50.00	50.19	1.45114	1.456709		0.4	20
2,4-Dichlorophenol	A	50.00	53.14	0.2700588	0.287037		6.3	20
Diethylphthalate	A	50.00	50.91	1.388912	1.41424		1.8	20
2,4-Dimethylphenol	A	50.00	52.31	0.3308702	0.346138		4.6	20
Dimethyl phthalate	A	50.00	50.88	1.341949	1.365639		1.8	20
4,6-Dinitro-2-methylphenol	Q	50.00	57.59	0.108535	0.1406616		15.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV1	Injection Time:	13:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	59.52	0.1194553	0.1572616	0.05	19.0	20
2,4-Dinitrotoluene	L	50.00	51.25	0.3843431	0.4475635		2.5	20
2,6-Dinitrotoluene	A	50.00	55.21	0.3241444	0.357921		10.4	20
Di-n-octylphthalate	A	50.00	44.14	1.505078	1.328803		-11.7	20
1,2-Diphenylhydrazine	A	50.00	53.52	0.8384567	0.8975477		7.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	48.02	0.8896098	0.8543449		-4.0	20
Fluoranthene	A	50.00	51.92	1.117006	1.159915		3.8	20
Fluorene	A	50.00	51.48	1.432003	1.474528		3.0	20
Hexachlorobenzene	A	50.00	55.90	0.2784884	0.3113629		11.8	20
Hexachlorobutadiene	A	50.00	55.71	0.1568991	0.1748298		11.4	20
Hexachlorocyclopentadiene	A	50.00	58.85	0.3416666	0.4021445	0.05	17.7	20
Hexachloroethane	A	50.00	50.10	0.6290616	0.6303268		0.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.34	1.182562	1.237873		4.7	20
Isophorone	A	50.00	52.18	0.6606909	0.6895446		4.4	20
1-Methylnaphthalene	A	50.00	50.89	0.5093698	0.5184525		1.8	20
2-Methylnaphthalene	A	50.00	50.86	0.5247824	0.5338019		1.7	20
2-Methylphenol	A	50.00	49.01	1.327107	1.300796		-2.0	20
3-Methylphenol/4-Methylphenol	A	50.00	48.53	1.35859	1.318572		-2.9	20
Naphthalene	L	50.00	52.61	1.031178	1.111553		5.2	20
4-Nitroaniline	A	50.00	52.52	0.3668212	0.3852882		5.0	20
3-Nitroaniline	A	50.00	53.19	0.3938478	0.4189476		6.4	20
2-Nitroaniline	A	50.00	56.93	0.3020105	0.3438749		13.9	20
Nitrobenzene	A	50.00	53.44	0.3259946	0.3484194		6.9	20
4-Nitrophenol	A	50.00	56.56	0.2038753	0.2306051	0.05	13.1	20
2-Nitrophenol	A	50.00	56.10	0.1757215	0.1971533		12.2	20
N-Nitrosodiphenylamine	A	50.00	51.36	0.689474	0.7082175		2.7	20
N-Nitroso-di-n-propylamine	A	50.00	50.55	0.9270794	0.9373653	0.05	1.1	20
Pentachlorophenol	A	50.00	56.86	0.1749019	0.1989139		13.7	20
Phenanthrene	A	50.00	53.74	1.146315	1.232047		7.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV1	Injection Time:	13:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.99	1.878943	1.803397		-4.0	20
Pyrene	A	50.00	48.99	1.289082	1.263083		-2.0	20
2,4,6-Trichlorophenol	A	50.00	52.55	0.3946008	0.4147306		5.1	20
2,4,5-Trichlorophenol	A	50.00	53.35	0.4038871	0.4309519		6.7	20
2-Fluorobiphenyl	A	50.00	57.28	1.277066	1.463046		14.6	20
2-Fluorophenol	A	100.0	100.0	1.345166	1.345255		0.007	20
Nitrobenzene-d5	A	50.00	60.79	0.2830395	0.344135		21.6	20 *
Phenol-d6	A	100.0	99.17	1.822662	1.807472		-0.8	20
Terphenyl-d14	A	50.00	55.06	0.7381191	0.812787		10.1	20
2,4,6-Tribromophenol	A	100.0	122.8	0.1549393	0.1902887		22.8	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV2	Injection Time:	13:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.83	1.686615	1.68081		-0.3	20
Atrazine	A	50.00	49.52	0.1885435	0.1867402		-1.0	20
Benzaldehyde	A	50.00	50.81	1.096725	1.114412		1.6	20
Benzidine	A	50.00	55.45	0.7040108	0.7807503		10.9	20
1,1-Biphenyl	A	50.00	47.59	1.517387	1.444251		-4.8	20
Caprolactam	A	50.00	46.25	9.763391E-02	9.031816E-02		-7.5	20
3,3'-Dichlorobenzidine	A	50.00	51.35	0.4336178	0.4453105		2.7	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13107	Injection Date:	05/09/12
Lab Sample ID:	2E13107-CCV1	Injection Time:	16:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	52.64	1.190308	1.253296		5.3	20
Acenaphthylene	A	50.00	52.83	2.029734	2.144797		5.7	20
Anthracene	A	50.00	49.34	1.167748	1.152442		-1.3	20
Benzo(a)anthracene	A	50.00	50.30	1.118885	1.125713		0.6	20
Benzo(a)pyrene	A	50.00	51.61	1.040254	1.073729		3.2	20
Benzo(b)fluoranthene	A	50.00	54.85	1.127632	1.237036		9.7	20
Benzo(g,h,i)perylene	A	50.00	52.79	0.9987589	1.054557		5.6	20
Benzoic acid	L	50.00	47.87	0.1880573	0.1975279		-4.3	20
Benzo(k)fluoranthene	A	50.00	49.52	1.228217	1.216456		-1.0	20
4-Bromophenyl-phenylether	A	50.00	50.17	0.2284164	0.2292049		0.3	20
Butylbenzylphthalate	A	50.00	47.87	0.6541472	0.626298		-4.3	20
Carbazole	A	50.00	49.18	1.10953	1.09144		-1.6	20
4-Chloro-3-methylphenol	A	50.00	51.50	0.2714182	0.27957		3.0	20
4-Chloroaniline	A	50.00	53.27	0.4318974	0.4601543		6.5	20
Bis(2-chloroethoxy)methane	A	50.00	52.44	0.4150089	0.435261		4.9	20
Bis(2-chloroethyl)ether	A	50.00	50.49	1.459053	1.473342		1.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	53.87	2.083033	2.244346		7.7	20
2-Chloronaphthalene	A	50.00	51.44	1.218663	1.25376		2.9	20
2-Chlorophenol	A	50.00	49.99	1.452952	1.45277		-0.01	20
4-Chlorophenyl phenyl ether	A	50.00	52.99	0.6281961	0.665729		6.0	20
Chrysene	A	50.00	51.39	1.034442	1.063218		2.8	20
Dibenz(a,h)anthracene	A	50.00	51.96	1.046285	1.08736		3.9	20
Dibenzofuran	A	50.00	52.44	1.723255	1.80743		4.9	20
Di-n-butylphthalate	A	50.00	47.28	1.45114	1.372288		-5.4	20
2,4-Dichlorophenol	A	50.00	52.10	0.2700588	0.281394		4.2	20
Diethylphthalate	A	50.00	50.51	1.388912	1.403105		1.0	20
2,4-Dimethylphenol	A	50.00	52.61	0.3308702	0.3481191		5.2	20
Dimethyl phthalate	A	50.00	52.64	1.341949	1.412923		5.3	20
4,6-Dinitro-2-methylphenol	Q	50.00	54.67	0.108535	0.13174		9.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13107	Injection Date:	05/09/12
Lab Sample ID:	2E13107-CCV1	Injection Time:	16:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	59.08	0.1194553	0.1556799	0.05	18.2	20
2,4-Dinitrotoluene	L	50.00	51.55	0.3843431	0.4505168		3.1	20
2,6-Dinitrotoluene	A	50.00	57.59	0.3241444	0.3733667		15.2	20
Di-n-octylphthalate	A	50.00	46.00	1.505078	1.38485		-8.0	20
1,2-Diphenylhydrazine	A	50.00	49.64	0.8384567	0.8323426		-0.7	20
Bis(2-ethylhexyl)phthalate	A	50.00	48.81	0.8896098	0.8684103		-2.4	20
Fluoranthene	A	50.00	50.69	1.117006	1.132364		1.4	20
Fluorene	A	50.00	51.68	1.432003	1.48011		3.4	20
Hexachlorobenzene	A	50.00	51.34	0.2784884	0.2859594		2.7	20
Hexachlorobutadiene	A	50.00	53.40	0.1568991	0.1675577		6.8	20
Hexachlorocyclopentadiene	A	50.00	59.00	0.3416666	0.4031443	0.05	18.0	20
Hexachloroethane	A	50.00	51.42	0.6290616	0.6469955		2.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.00	1.182562	1.22988		4.0	20
Isophorone	A	50.00	52.04	0.6606909	0.6876292		4.1	20
1-Methylnaphthalene	A	50.00	50.76	0.5093698	0.5171615		1.5	20
2-Methylnaphthalene	A	50.00	51.25	0.5247824	0.5379187		2.5	20
2-Methylphenol	A	50.00	50.03	1.327107	1.327803		0.05	20
3-Methylphenol/4-Methylphenol	A	50.00	49.66	1.35859	1.34933		-0.7	20
Naphthalene	L	50.00	51.23	1.031178	1.082011		2.5	20
4-Nitroaniline	A	50.00	55.71	0.3668212	0.4087363		11.4	20
3-Nitroaniline	A	50.00	53.66	0.3938478	0.4227199		7.3	20
2-Nitroaniline	A	50.00	55.45	0.3020105	0.3349506		10.9	20
Nitrobenzene	A	50.00	54.18	0.3259946	0.3532853		8.4	20
4-Nitrophenol	A	50.00	56.36	0.2038753	0.2298064	0.05	12.7	20
2-Nitrophenol	A	50.00	55.59	0.1757215	0.1953824		11.2	20
N-Nitrosodiphenylamine	A	50.00	47.41	0.689474	0.6537455		-5.2	20
N-Nitroso-di-n-propylamine	A	50.00	51.36	0.9270794	0.9522449	0.05	2.7	20
Pentachlorophenol	A	50.00	50.39	0.1749019	0.1762806		0.8	20
Phenanthrene	A	50.00	49.89	1.146315	1.143728		-0.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13107	Injection Date:	05/09/12
Lab Sample ID:	2E13107-CCV1	Injection Time:	16:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Phenol	A	50.00	49.89	1.878943	1.874707		-0.2	20	
Pyrene	A	50.00	47.82	1.289082	1.232927		-4.4	20	
2,4,6-Trichlorophenol	A	50.00	55.00	0.3946008	0.434031		10.0	20	
2,4,5-Trichlorophenol	A	50.00	55.37	0.4038871	0.4472629		10.7	20	
2-Fluorobiphenyl	A	50.00	60.17	1.277066	1.536776		20.3	20	*
2-Fluorophenol	A	100.0	103.9	1.345166	1.398065		3.9	20	
Nitrobenzene-d5	A	50.00	59.12	0.2830395	0.3346806		18.2	20	
Phenol-d6	A	100.0	103.5	1.822662	1.887198		3.5	20	
Terphenyl-d14	A	50.00	55.92	0.7381191	0.8254621		11.8	20	
2,4,6-Tribromophenol	A	100.0	111.3	0.1549393	0.1725194		11.3	20	

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13107	Injection Date:	05/09/12
Lab Sample ID:	2E13107-CCV2	Injection Time:	16:53

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.69	1.686615	1.743766		3.4	20
Atrazine	A	50.00	52.23	0.1885435	0.1969615		4.5	20
Benzaldehyde	A	50.00	53.28	1.096725	1.168615		6.6	20
Benzidine	A	50.00	58.50	0.7040108	0.8236998		17.0	20
1,1-Biphenyl	A	50.00	52.57	1.517387	1.595404		5.1	20
Caprolactam	A	50.00	54.15	9.763391E-02	0.1057428		8.3	20
3,3'-Dichlorobenzidine	A	50.00	53.23	0.4336178	0.4616021		6.5	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E01006-BLK1 File ID: E01006B2.D

Sampled: Prepared: Analyzed: 05/04/12 10:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 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, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E01006-BLK1 File ID: E01006B2.D

Sampled: Prepared: Analyzed: 05/04/12 10:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	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
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.83	79.7	50 - 110	
2-Fluorophenol	100.0	33.20	33.2	20 - 110	
Nitrobenzene-d5	50.00	39.77	79.5	40 - 110	
Phenol-d6	100.0	19.33	19.3	0 - 110	
Terphenyl-d14	50.00	52.21	104	50 - 135	
2,4,6-Tribromophenol	100.0	75.08	75.1	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E01006-BS1 | File ID: E01006L1.D

Sampled: | Prepared: | Analyzed: 05/04/12 10:41

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E01006 | Sequence: 2E12911 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.24	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.55	1.25	2.50	5.00	
98-86-2	Acetophenone	41.66	1.25	2.50	5.00	
120-12-7	Anthracene	45.40	1.25	2.50	5.00	
1912-24-9	Atrazine	47.58	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.99	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	47.87	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.06	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.52	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.93	1.25	2.50	5.00	
65-85-0	Benzoic acid	20.38	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	43.22	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	45.12	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	60.68	1.25	2.50	5.00	
105-60-2	Caprolactam	10.22	1.25	2.50	5.00	
86-74-8	Carbazole	43.59	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	77.41	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.41	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.06	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.69	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	50.14	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	40.71	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	70.04	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	41.96	1.25	2.50	5.00	
218-01-9	Chrysene	48.12	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.12	1.25	2.50	5.00	
132-64-9	Dibenzofuran	42.51	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.63	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	49.86	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	78.85	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.78	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.45	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	45.76	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	103.1	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	87.48	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	50.07	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	45.61	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	58.38	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E01006-BS1 File ID: E01006L1.D

Sampled: Prepared: Analyzed: 05/04/12 10:41

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.58	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	59.78	1.25	2.50	5.00	
206-44-0	Fluoranthene	45.79	1.25	2.50	5.00	
86-73-7	Fluorene	43.27	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.96	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.27	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	32.69	1.25	2.50	5.00	
67-72-1	Hexachloroethane	30.28	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	48.48	1.25	2.50	5.00	
78-59-1	Isophorone	40.12	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.15	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.48	1.25	2.50	5.00	
95-48-7	2-Methylphenol	56.46	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.75	1.25	2.50	5.00	
91-20-3	Naphthalene	38.29	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.34	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.18	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	51.75	5.00	10.0	20.0	
98-95-3	Nitrobenzene	39.88	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.27	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	90.01	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.57	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.11	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	90.60	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.58	1.25	2.50	5.00	
108-95-2	Phenol	24.44	1.25	2.50	5.00	
129-00-0	Pyrene	48.11	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	90.03	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	92.81	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.34	86.7	50 - 110	
2-Fluorophenol	100.0	38.11	38.1	20 - 110	
Nitrobenzene-d5	50.00	43.73	87.5	40 - 110	
Phenol-d6	100.0	22.42	22.4	0 - 110	
Terphenyl-d14	50.00	52.22	104	50 - 135	
2,4,6-Tribromophenol	100.0	85.99	86.0	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E01006-BSD1 | File ID: E01006L2.D

Sampled: | Prepared: | Analyzed: 05/04/12 11:09

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E01006 | Sequence: 2E12911 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	38.43	1.25	2.50	5.00	
208-96-8	Acenaphthylene	39.26	1.25	2.50	5.00	
98-86-2	Acetophenone	37.70	1.25	2.50	5.00	
120-12-7	Anthracene	43.61	1.25	2.50	5.00	
1912-24-9	Atrazine	45.85	1.25	2.50	5.00	
100-52-7	Benzaldehyde	38.67	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	46.27	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.31	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	47.69	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.55	1.25	2.50	5.00	
65-85-0	Benzoic acid	19.86	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	43.44	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	40.73	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	43.58	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	57.19	1.25	2.50	5.00	
105-60-2	Caprolactam	10.18	1.25	2.50	5.00	
86-74-8	Carbazole	42.00	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	71.16	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.63	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	41.48	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	38.91	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	44.94	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	36.99	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	60.33	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.55	1.25	2.50	5.00	
218-01-9	Chrysene	46.10	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	46.56	1.25	2.50	5.00	
132-64-9	Dibenzofuran	39.25	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.47	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	48.43	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	67.39	1.25	2.50	5.00	
84-66-2	Diethylphthalate	45.22	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	66.42	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	43.91	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	86.08	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	72.47	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	47.79	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.39	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	56.74	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E01006-BSD1 File ID: E01006L2.D

Sampled: Prepared: Analyzed: 05/04/12 11:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.15	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	56.30	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.61	1.25	2.50	5.00	
86-73-7	Fluorene	41.06	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.50	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	27.79	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	27.98	1.25	2.50	5.00	
67-72-1	Hexachloroethane	26.90	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.92	1.25	2.50	5.00	
78-59-1	Isophorone	35.77	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	35.26	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	34.00	1.25	2.50	5.00	
95-48-7	2-Methylphenol	50.48	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	45.70	1.25	2.50	5.00	
91-20-3	Naphthalene	33.67	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	45.35	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.05	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.13	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.41	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.51	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	76.89	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.29	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	39.04	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	77.35	5.00	10.0	20.0	
85-01-8	Phenanthrene	43.70	1.25	2.50	5.00	
108-95-2	Phenol	22.66	1.25	2.50	5.00	
129-00-0	Pyrene	45.71	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	75.61	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	81.87	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.22	76.4	50 - 110	
2-Fluorophenol	100.0	31.79	31.8	20 - 110	
Nitrobenzene-d5	50.00	38.04	76.1	40 - 110	
Phenol-d6	100.0	19.46	19.5	0 - 110	
Terphenyl-d14	50.00	49.29	98.6	50 - 135	
2,4,6-Tribromophenol	100.0	77.52	77.5	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04003-BLK1 File ID: E04003B1.D

Sampled: Prepared: Analyzed: 05/08/12 14:17

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	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	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		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04003-BLK1 File ID: E04003B1.D

Sampled: Prepared: Analyzed: 05/08/12 14:17

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	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
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.15	74.3	50 - 110	
2-Fluorophenol	100.0	31.20	31.2	20 - 110	
Nitrobenzene-d5	50.00	40.74	81.5	40 - 110	X
Phenol-d6	100.0	17.73	17.7	0 - 110	
Terphenyl-d14	50.00	47.95	95.9	50 - 135	
2,4,6-Tribromophenol	100.0	77.76	77.8	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E04003-BS1 | File ID: E04003L1.D

Sampled: | Prepared: | Analyzed: 05/08/12 14:44

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E04003 | Sequence: 2E13010 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	35.38	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.10	1.25	2.50	5.00	
98-86-2	Acetophenone	45.16	1.25	2.50	5.00	
120-12-7	Anthracene	41.17	1.25	2.50	5.00	
1912-24-9	Atrazine	43.28	1.25	2.50	5.00	
100-52-7	Benzaldehyde	45.06	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	44.30	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.12	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	41.59	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.97	1.25	2.50	5.00	
65-85-0	Benzoic acid	23.02	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	47.07	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	45.06	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	44.88	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	43.88	1.25	2.50	5.00	
105-60-2	Caprolactam	8.072	1.25	2.50	5.00	
86-74-8	Carbazole	39.60	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	74.63	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.01	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	45.24	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	40.52	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	42.17	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	35.57	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	64.22	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	40.92	1.25	2.50	5.00	
218-01-9	Chrysene	46.29	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.65	1.25	2.50	5.00	
132-64-9	Dibenzofuran	40.47	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	44.48	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	41.85	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	78.07	1.25	2.50	5.00	
84-66-2	Diethylphthalate	45.87	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	78.92	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.24	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	92.22	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	87.39	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	44.35	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	43.96	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	40.81	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E04003-BS1 | File ID: E04003L1.D

Sampled: | Prepared: | Analyzed: 05/08/12 14:44

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E04003 | Sequence: 2E13010 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	38.40	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	43.64	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.74	1.25	2.50	5.00	
86-73-7	Fluorene	39.72	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	44.09	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.13	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	25.72	1.25	2.50	5.00	
67-72-1	Hexachloroethane	27.99	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	45.55	1.25	2.50	5.00	
78-59-1	Isophorone	38.16	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	34.95	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	32.63	1.25	2.50	5.00	
95-48-7	2-Methylphenol	52.80	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	49.61	1.25	2.50	5.00	
91-20-3	Naphthalene	35.66	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	40.20	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	35.06	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	46.36	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.71	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	26.65	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	86.60	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	32.81	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.76	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	95.02	5.00	10.0	20.0	
85-01-8	Phenanthrene	43.90	1.25	2.50	5.00	
108-95-2	Phenol	23.35	1.25	2.50	5.00	
129-00-0	Pyrene	41.57	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	87.35	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	88.52	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.36	86.7	50 - 110	
2-Fluorophenol	100.0	35.28	35.3	20 - 110	
Nitrobenzene-d5	50.00	42.17	84.3	40 - 110	X
Phenol-d6	100.0	20.32	20.3	0 - 110	
Terphenyl-d14	50.00	47.25	94.5	50 - 135	
2,4,6-Tribromophenol	100.0	86.41	86.4	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04003-MS1 File ID: 0502103M.D

Sampled: Prepared: Analyzed: 05/08/12 17:02

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.72	1.24	2.48	4.95	
208-96-8	Acenaphthylene	37.63	1.24	2.48	4.95	
98-86-2	Acetophenone	44.42	1.24	2.48	4.95	
120-12-7	Anthracene	42.44	1.24	2.48	4.95	
1912-24-9	Atrazine	43.27	1.24	2.48	4.95	
100-52-7	Benzaldehyde	42.81	1.24	2.48	4.95	
92-87-5	Benzidine		12.4	24.8	49.5	U
56-55-3	Benzo(a)anthracene	44.08	1.24	2.48	4.95	
50-32-8	Benzo(a)pyrene	41.94	1.24	2.48	4.95	
205-99-2	Benzo(b)fluoranthene	42.36	1.24	2.48	4.95	
191-24-2	Benzo(g,h,i)perylene	46.86	1.24	2.48	4.95	
65-85-0	Benzoic acid	20.56	12.4	24.8	49.5	J
207-08-9	Benzo(k)fluoranthene	47.56	1.24	2.48	4.95	
92-52-4	1,1-Biphenyl	45.27	1.24	2.48	4.95	
101-55-3	4-Bromophenyl-phenylether	46.44	1.24	2.48	4.95	
85-68-7	Butylbenzylphthalate	43.51	1.24	2.48	4.95	
105-60-2	Caprolactam	8.018	1.24	2.48	4.95	Q
86-74-8	Carbazole	41.24	1.24	2.48	4.95	
59-50-7	4-Chloro-3-methylphenol	72.42	1.24	2.48	4.95	
106-47-8	4-Chloroaniline	33.11	1.24	2.48	4.95	
111-91-1	Bis(2-chloroethoxy)methane	42.77	1.24	2.48	4.95	
111-44-4	Bis(2-chloroethyl)ether	39.27	1.24	2.48	4.95	
108-60-1	2,2'-Oxybis-1-chloropropane	42.37	1.24	2.48	4.95	
91-58-7	2-Chloronaphthalene	35.97	1.24	2.48	4.95	
95-57-8	2-Chlorophenol	62.65	1.24	2.48	4.95	
7005-72-3	4-Chlorophenyl phenyl ether	41.26	1.24	2.48	4.95	
218-01-9	Chrysene	46.05	1.24	2.48	4.95	
53-70-3	Dibenz(a,h)anthracene	46.09	1.24	2.48	4.95	
132-64-9	Dibenzofuran	40.58	1.24	2.48	4.95	
84-74-2	Di-n-butylphthalate	45.25	1.24	2.48	4.95	
91-94-1	3,3'-Dichlorobenzidine	41.76	1.24	2.48	4.95	
120-83-2	2,4-Dichlorophenol	77.49	1.24	2.48	4.95	
84-66-2	Diethylphthalate	44.27	1.24	2.48	4.95	
105-67-9	2,4-Dimethylphenol	74.75	4.95	9.90	19.8	
131-11-3	Dimethyl phthalate	43.11	1.24	2.48	4.95	
534-52-1	4,6-Dinitro-2-methylphenol	88.61	4.95	9.90	19.8	
51-28-5	2,4-Dinitrophenol	81.74	0.990	24.8	49.5	
121-14-2	2,4-Dinitrotoluene	44.37	1.24	2.48	4.95	
606-20-2	2,6-Dinitrotoluene	40.55	1.24	2.48	4.95	
117-84-0	Di-n-octylphthalate	41.37	1.24	2.48	4.95	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04003-MS1 File ID: 0502103M.D

Sampled: Prepared: Analyzed: 05/08/12 17:02

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.08	1.24	2.48	4.95	
117-81-7	Bis(2-ethylhexyl)phthalate	44.20	1.24	2.48	4.95	
206-44-0	Fluoranthene	45.12	1.24	2.48	4.95	
86-73-7	Fluorene	40.80	1.24	2.48	4.95	
118-74-1	Hexachlorobenzene	44.72	1.24	2.48	4.95	
87-68-3	Hexachlorobutadiene	33.24	1.24	2.48	4.95	
77-47-4	Hexachlorocyclopentadiene	29.03	1.24	2.48	4.95	
67-72-1	Hexachloroethane	28.95	1.24	2.48	4.95	
193-39-5	Indeno(1,2,3-cd)pyrene	45.88	1.24	2.48	4.95	
78-59-1	Isophorone	36.01	1.24	2.48	4.95	
90-12-0	1-Methylnaphthalene	36.98	1.24	2.48	4.95	
91-57-6	2-Methylnaphthalene	35.13	1.24	2.48	4.95	
95-48-7	2-Methylphenol	51.20	1.24	2.48	4.95	
108-39-4/106	3-Methylphenol/4-Methylphenol	48.51	1.24	2.48	4.95	
91-20-3	Naphthalene	35.36	1.24	2.48	4.95	
100-01-6	4-Nitroaniline	40.66	4.95	9.90	19.8	
99-09-2	3-Nitroaniline	34.07	4.95	9.90	19.8	
88-74-4	2-Nitroaniline	43.65	4.95	9.90	19.8	
98-95-3	Nitrobenzene	39.37	1.24	2.48	4.95	
100-02-7	4-Nitrophenol	26.10	4.95	9.90	19.8	
88-75-5	2-Nitrophenol	83.02	1.24	2.48	4.95	
86-30-6	N-Nitrosodiphenylamine	32.81	1.24	2.48	4.95	
621-64-7	N-Nitroso-di-n-propylamine	42.11	1.24	2.48	4.95	
87-86-5	Pentachlorophenol	92.59	4.95	9.90	19.8	
85-01-8	Phenanthrene	44.48	1.24	2.48	4.95	
108-95-2	Phenol	21.19	1.24	2.48	4.95	
129-00-0	Pyrene	43.45	1.24	2.48	4.95	
88-06-2	2,4,6-Trichlorophenol	81.63	1.24	2.48	4.95	
95-95-4	2,4,5-Trichlorophenol	85.98	1.24	2.48	4.95	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	39.68	80.2	50 - 110	
2-Fluorophenol	99.01	32.70	33.0	20 - 110	
Nitrobenzene-d5	49.50	39.63	80.0	40 - 110	X
Phenol-d6	99.01	18.42	18.6	0 - 110	
Terphenyl-d14	49.50	47.56	96.1	50 - 135	
2,4,6-Tribromophenol	99.01	85.64	86.5	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04003-MSD1 File ID: 0502103S.D

Sampled: Prepared: Analyzed: 05/08/12 17:29

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.14	1.24	2.48	4.95	
208-96-8	Acenaphthylene	41.28	1.24	2.48	4.95	
98-86-2	Acetophenone	49.10	1.24	2.48	4.95	
120-12-7	Anthracene	45.27	1.24	2.48	4.95	
1912-24-9	Atrazine	46.25	1.24	2.48	4.95	
100-52-7	Benzaldehyde	47.79	1.24	2.48	4.95	
92-87-5	Benzidine		12.4	24.8	49.5	U
56-55-3	Benzo(a)anthracene	44.74	1.24	2.48	4.95	
50-32-8	Benzo(a)pyrene	42.84	1.24	2.48	4.95	
205-99-2	Benzo(b)fluoranthene	46.23	1.24	2.48	4.95	
191-24-2	Benzo(g,h,i)perylene	47.50	1.24	2.48	4.95	
65-85-0	Benzoic acid	24.05	12.4	24.8	49.5	J
207-08-9	Benzo(k)fluoranthene	44.49	1.24	2.48	4.95	
92-52-4	1,1-Biphenyl	49.36	1.24	2.48	4.95	
101-55-3	4-Bromophenyl-phenylether	46.42	1.24	2.48	4.95	
85-68-7	Butylbenzylphthalate	45.69	1.24	2.48	4.95	
105-60-2	Caprolactam	8.462	1.24	2.48	4.95	Q
86-74-8	Carbazole	41.43	1.24	2.48	4.95	
59-50-7	4-Chloro-3-methylphenol	77.24	1.24	2.48	4.95	
106-47-8	4-Chloroaniline	35.87	1.24	2.48	4.95	
111-91-1	Bis(2-chloroethoxy)methane	46.09	1.24	2.48	4.95	
111-44-4	Bis(2-chloroethyl)ether	42.85	1.24	2.48	4.95	
108-60-1	2,2'-Oxybis-1-chloropropane	45.73	1.24	2.48	4.95	
91-58-7	2-Chloronaphthalene	40.58	1.24	2.48	4.95	
95-57-8	2-Chlorophenol	68.56	1.24	2.48	4.95	
7005-72-3	4-Chlorophenyl phenyl ether	45.47	1.24	2.48	4.95	
218-01-9	Chrysene	46.92	1.24	2.48	4.95	
53-70-3	Dibenz(a,h)anthracene	46.75	1.24	2.48	4.95	
132-64-9	Dibenzofuran	43.76	1.24	2.48	4.95	
84-74-2	Di-n-butylphthalate	46.34	1.24	2.48	4.95	
91-94-1	3,3'-Dichlorobenzidine	42.86	1.24	2.48	4.95	
120-83-2	2,4-Dichlorophenol	81.31	1.24	2.48	4.95	
84-66-2	Diethylphthalate	48.30	1.24	2.48	4.95	
105-67-9	2,4-Dimethylphenol	78.00	4.95	9.90	19.8	
131-11-3	Dimethyl phthalate	45.54	1.24	2.48	4.95	
534-52-1	4,6-Dinitro-2-methylphenol	96.54	4.95	9.90	19.8	
51-28-5	2,4-Dinitrophenol	93.70	0.990	24.8	49.5	
121-14-2	2,4-Dinitrotoluene	46.42	1.24	2.48	4.95	
606-20-2	2,6-Dinitrotoluene	46.94	1.24	2.48	4.95	
117-84-0	Di-n-octylphthalate	42.27	1.24	2.48	4.95	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E04003-MSD1 File ID: 0502103S.D

Sampled: Prepared: Analyzed: 05/08/12 17:29

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E04003 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	41.89	1.24	2.48	4.95	
117-81-7	Bis(2-ethylhexyl)phthalate	44.75	1.24	2.48	4.95	
206-44-0	Fluoranthene	47.16	1.24	2.48	4.95	
86-73-7	Fluorene	44.21	1.24	2.48	4.95	
118-74-1	Hexachlorobenzene	46.41	1.24	2.48	4.95	
87-68-3	Hexachlorobutadiene	33.54	1.24	2.48	4.95	
77-47-4	Hexachlorocyclopentadiene	29.91	1.24	2.48	4.95	
67-72-1	Hexachloroethane	30.88	1.24	2.48	4.95	
193-39-5	Indeno(1,2,3-cd)pyrene	47.03	1.24	2.48	4.95	
78-59-1	Isophorone	39.20	1.24	2.48	4.95	
90-12-0	1-Methylnaphthalene	38.23	1.24	2.48	4.95	
91-57-6	2-Methylnaphthalene	36.63	1.24	2.48	4.95	
95-48-7	2-Methylphenol	54.32	1.24	2.48	4.95	
108-39-4/106	3-Methylphenol/4-Methylphenol	52.80	1.24	2.48	4.95	
91-20-3	Naphthalene	38.31	1.24	2.48	4.95	
100-01-6	4-Nitroaniline	44.75	4.95	9.90	19.8	
99-09-2	3-Nitroaniline	38.64	4.95	9.90	19.8	
88-74-4	2-Nitroaniline	48.28	4.95	9.90	19.8	
98-95-3	Nitrobenzene	42.80	1.24	2.48	4.95	
100-02-7	4-Nitrophenol	27.38	4.95	9.90	19.8	
88-75-5	2-Nitrophenol	90.03	1.24	2.48	4.95	
86-30-6	N-Nitrosodiphenylamine	36.93	1.24	2.48	4.95	
621-64-7	N-Nitroso-di-n-propylamine	45.60	1.24	2.48	4.95	
87-86-5	Pentachlorophenol	99.28	4.95	9.90	19.8	E
85-01-8	Phenanthrene	44.58	1.24	2.48	4.95	
108-95-2	Phenol	22.66	1.24	2.48	4.95	
129-00-0	Pyrene	44.21	1.24	2.48	4.95	
88-06-2	2,4,6-Trichlorophenol	92.44	1.24	2.48	4.95	
95-95-4	2,4,5-Trichlorophenol	96.86	1.24	2.48	4.95	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	44.39	89.7	50 - 110	
2-Fluorophenol	99.01	35.51	35.9	20 - 110	
Nitrobenzene-d5	49.50	44.40	89.7	40 - 110	X
Phenol-d6	99.01	20.56	20.8	0 - 110	
Terphenyl-d14	49.50	47.95	96.9	50 - 135	
2,4,6-Tribromophenol	99.01	90.84	91.7	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E08006-BLK1 File ID: E08006B1.D

Sampled: Prepared: Analyzed: 05/09/12 17:20

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	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	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		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E08006-BLK1	File ID:	E08006B1.D
Sampled:		Prepared:		Analyzed:	05/09/12 17:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	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
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.74	83.5	50 - 110	X
2-Fluorophenol	100.0	35.07	35.1	20 - 110	
Nitrobenzene-d5	50.00	41.16	82.3	40 - 110	
Phenol-d6	100.0	18.21	18.2	0 - 110	
Terphenyl-d14	50.00	50.68	101	50 - 135	
2,4,6-Tribromophenol	100.0	79.48	79.5	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E08006-BS1 | File ID: E08006L1.D

Sampled: | Prepared: | Analyzed: 05/09/12 17:47

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E08006 | Sequence: 2E13107 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	45.91	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.00	1.25	2.50	5.00	
98-86-2	Acetophenone	46.78	1.25	2.50	5.00	
120-12-7	Anthracene	48.72	1.25	2.50	5.00	
1912-24-9	Atrazine	48.88	1.25	2.50	5.00	
100-52-7	Benzaldehyde	44.30	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	47.27	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	44.94	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	44.89	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	49.76	1.25	2.50	5.00	
65-85-0	Benzoic acid	17.83	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	51.31	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	49.06	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	51.41	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	46.47	1.25	2.50	5.00	
105-60-2	Caprolactam	7.135	1.25	2.50	5.00	
86-74-8	Carbazole	45.94	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	84.36	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	35.62	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	45.79	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	40.98	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	43.61	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	43.83	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	70.88	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.00	1.25	2.50	5.00	
218-01-9	Chrysene	48.43	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.15	1.25	2.50	5.00	
132-64-9	Dibenzofuran	46.87	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.52	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	45.68	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	84.88	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.99	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	88.64	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.45	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	103.7	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	98.01	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	50.82	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.50	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	44.77	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_052

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

Matrix: | Laboratory ID: 2E08006-BS1 | File ID: E08006L1.D

Sampled: | Prepared: | Analyzed: 05/09/12 17:47

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E08006 | Sequence: 2E13107 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.23	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	46.70	1.25	2.50	5.00	
206-44-0	Fluoranthene	50.19	1.25	2.50	5.00	
86-73-7	Fluorene	46.03	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	48.92	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	40.08	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	37.94	1.25	2.50	5.00	
67-72-1	Hexachloroethane	31.78	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.21	1.25	2.50	5.00	
78-59-1	Isophorone	39.55	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.85	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	40.69	1.25	2.50	5.00	
95-48-7	2-Methylphenol	57.97	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	55.35	1.25	2.50	5.00	
91-20-3	Naphthalene	39.53	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.50	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.21	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	49.91	5.00	10.0	20.0	
98-95-3	Nitrobenzene	42.26	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.83	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	91.05	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	39.44	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	45.01	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	107.7	5.00	10.0	20.0	E
85-01-8	Phenanthrene	50.75	1.25	2.50	5.00	
108-95-2	Phenol	22.64	1.25	2.50	5.00	
129-00-0	Pyrene	46.31	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	102.0	1.25	2.50	5.00	E
95-95-4	2,4,5-Trichlorophenol	104.2	1.25	2.50	5.00	E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.14	88.3	50 - 110	X
2-Fluorophenol	100.0	35.51	35.5	20 - 110	
Nitrobenzene-d5	50.00	42.88	85.8	40 - 110	
Phenol-d6	100.0	18.81	18.8	0 - 110	
Terphenyl-d14	50.00	49.57	99.1	50 - 135	
2,4,6-Tribromophenol	100.0	94.72	94.7	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E08006-MS1 File ID: 0502813M.D

Sampled: Prepared: Analyzed: 05/09/12 21:25

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	42.37	1.20	2.40	4.81	
208-96-8	Acenaphthylene	43.52	1.20	2.40	4.81	
98-86-2	Acetophenone	44.80	1.20	2.40	4.81	
120-12-7	Anthracene	43.69	1.20	2.40	4.81	
1912-24-9	Atrazine	46.07	1.20	2.40	4.81	
100-52-7	Benzaldehyde	42.70	1.20	2.40	4.81	
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene	44.76	1.20	2.40	4.81	
50-32-8	Benzo(a)pyrene	42.73	1.20	2.40	4.81	
205-99-2	Benzo(b)fluoranthene	42.45	1.20	2.40	4.81	
191-24-2	Benzo(g,h,i)perylene	47.17	1.20	2.40	4.81	
65-85-0	Benzoic acid	12.42	12.0	24.0	48.1	J
207-08-9	Benzo(k)fluoranthene	47.96	1.20	2.40	4.81	
92-52-4	1,1-Biphenyl	47.44	1.20	2.40	4.81	
101-55-3	4-Bromophenyl-phenylether	46.85	1.20	2.40	4.81	
85-68-7	Butylbenzylphthalate	46.77	1.20	2.40	4.81	
105-60-2	Caprolactam	5.677	1.20	2.40	4.81	Q
86-74-8	Carbazole	42.16	1.20	2.40	4.81	
59-50-7	4-Chloro-3-methylphenol	80.27	1.20	2.40	4.81	
106-47-8	4-Chloroaniline	33.37	1.20	2.40	4.81	
111-91-1	Bis(2-chloroethoxy)methane	45.50	1.20	2.40	4.81	
111-44-4	Bis(2-chloroethyl)ether	39.44	1.20	2.40	4.81	
108-60-1	2,2'-Oxybis-1-chloropropane	42.71	1.20	2.40	4.81	
91-58-7	2-Chloronaphthalene	42.51	1.20	2.40	4.81	
95-57-8	2-Chlorophenol	64.32	1.20	2.40	4.81	
7005-72-3	4-Chlorophenyl phenyl ether	47.15	1.20	2.40	4.81	
218-01-9	Chrysene	46.88	1.20	2.40	4.81	
53-70-3	Dibenz(a,h)anthracene	46.73	1.20	2.40	4.81	
132-64-9	Dibenzofuran	45.02	1.20	2.40	4.81	
84-74-2	Di-n-butylphthalate	47.33	1.20	2.40	4.81	
91-94-1	3,3'-Dichlorobenzidine	41.42	1.20	2.40	4.81	
120-83-2	2,4-Dichlorophenol	81.79	1.20	2.40	4.81	
84-66-2	Diethylphthalate	47.02	1.20	2.40	4.81	
105-67-9	2,4-Dimethylphenol	78.54	4.81	9.62	19.2	
131-11-3	Dimethyl phthalate	47.11	1.20	2.40	4.81	
534-52-1	4,6-Dinitro-2-methylphenol	89.98	4.81	9.62	19.2	
51-28-5	2,4-Dinitrophenol	68.21	0.962	24.0	48.1	
121-14-2	2,4-Dinitrotoluene	44.54	1.20	2.40	4.81	
606-20-2	2,6-Dinitrotoluene	44.37	1.20	2.40	4.81	
117-84-0	Di-n-octylphthalate	43.18	1.20	2.40	4.81	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E08006-MS1 File ID: 0502813M.D

Sampled: Prepared: Analyzed: 05/09/12 21:25

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.25	1.20	2.40	4.81	
117-81-7	Bis(2-ethylhexyl)phthalate	46.60	1.20	2.40	4.81	
206-44-0	Fluoranthene	45.13	1.20	2.40	4.81	
86-73-7	Fluorene	45.16	1.20	2.40	4.81	
118-74-1	Hexachlorobenzene	44.13	1.20	2.40	4.81	
87-68-3	Hexachlorobutadiene	41.64	1.20	2.40	4.81	
77-47-4	Hexachlorocyclopentadiene	36.86	1.20	2.40	4.81	
67-72-1	Hexachloroethane	33.49	1.20	2.40	4.81	
193-39-5	Indeno(1,2,3-cd)pyrene	46.89	1.20	2.40	4.81	
78-59-1	Isophorone	37.52	1.20	2.40	4.81	
90-12-0	1-Methylnaphthalene	41.96	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	40.47	1.20	2.40	4.81	
95-48-7	2-Methylphenol	51.17	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol	47.79	1.20	2.40	4.81	
91-20-3	Naphthalene	40.55	1.20	2.40	4.81	
100-01-6	4-Nitroaniline	45.09	4.81	9.62	19.2	
99-09-2	3-Nitroaniline	36.40	4.81	9.62	19.2	
88-74-4	2-Nitroaniline	47.11	4.81	9.62	19.2	
98-95-3	Nitrobenzene	41.23	1.20	2.40	4.81	
100-02-7	4-Nitrophenol	23.67	4.81	9.62	19.2	
88-75-5	2-Nitrophenol	87.26	1.20	2.40	4.81	
86-30-6	N-Nitrosodiphenylamine	35.18	1.20	2.40	4.81	
621-64-7	N-Nitroso-di-n-propylamine	42.40	1.20	2.40	4.81	
87-86-5	Pentachlorophenol	97.75	4.81	9.62	19.2	E
85-01-8	Phenanthrene	46.27	1.20	2.40	4.81	
108-95-2	Phenol	18.40	1.20	2.40	4.81	
129-00-0	Pyrene	44.11	1.20	2.40	4.81	
88-06-2	2,4,6-Trichlorophenol	90.45	1.20	2.40	4.81	
95-95-4	2,4,5-Trichlorophenol	96.85	1.20	2.40	4.81	E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	41.88	87.1	50 - 110	X
2-Fluorophenol	96.15	30.92	32.2	20 - 110	
Nitrobenzene-d5	48.08	41.43	86.2	40 - 110	
Phenol-d6	96.15	15.93	16.6	0 - 110	
Terphenyl-d14	48.08	48.47	101	50 - 135	
2,4,6-Tribromophenol	96.15	86.83	90.3	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E08006-MSD1 File ID: 0502813S.D

Sampled: Prepared: Analyzed: 05/09/12 21:52

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	37.46	1.18	2.36	4.72	
208-96-8	Acenaphthylene	38.00	1.18	2.36	4.72	
98-86-2	Acetophenone	42.14	1.18	2.36	4.72	
120-12-7	Anthracene	41.37	1.18	2.36	4.72	
1912-24-9	Atrazine	43.45	1.18	2.36	4.72	
100-52-7	Benzaldehyde	41.83	1.18	2.36	4.72	
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene	41.48	1.18	2.36	4.72	
50-32-8	Benzo(a)pyrene	41.37	1.18	2.36	4.72	
205-99-2	Benzo(b)fluoranthene	40.52	1.18	2.36	4.72	
191-24-2	Benzo(g,h,i)perylene	44.21	1.18	2.36	4.72	
65-85-0	Benzoic acid	14.85	11.8	23.6	47.2	J
207-08-9	Benzo(k)fluoranthene	45.02	1.18	2.36	4.72	
92-52-4	1,1-Biphenyl	41.79	1.18	2.36	4.72	
101-55-3	4-Bromophenyl-phenylether	44.67	1.18	2.36	4.72	
85-68-7	Butylbenzylphthalate	42.61	1.18	2.36	4.72	
105-60-2	Caprolactam	5.536	1.18	2.36	4.72	Q
86-74-8	Carbazole	39.82	1.18	2.36	4.72	
59-50-7	4-Chloro-3-methylphenol	73.02	1.18	2.36	4.72	
106-47-8	4-Chloroaniline	30.65	1.18	2.36	4.72	
111-91-1	Bis(2-chloroethoxy)methane	40.52	1.18	2.36	4.72	
111-44-4	Bis(2-chloroethyl)ether	36.79	1.18	2.36	4.72	
108-60-1	2,2'-Oxybis-1-chloropropane	39.82	1.18	2.36	4.72	
91-58-7	2-Chloronaphthalene	39.38	1.18	2.36	4.72	
95-57-8	2-Chlorophenol	61.75	1.18	2.36	4.72	
7005-72-3	4-Chlorophenyl phenyl ether	41.70	1.18	2.36	4.72	
218-01-9	Chrysene	43.06	1.18	2.36	4.72	
53-70-3	Dibenz(a,h)anthracene	43.51	1.18	2.36	4.72	
132-64-9	Dibenzofuran	40.46	1.18	2.36	4.72	
84-74-2	Di-n-butylphthalate	46.15	1.18	2.36	4.72	
91-94-1	3,3'-Dichlorobenzidine	38.95	1.18	2.36	4.72	
120-83-2	2,4-Dichlorophenol	72.42	1.18	2.36	4.72	
84-66-2	Diethylphthalate	42.23	1.18	2.36	4.72	
105-67-9	2,4-Dimethylphenol	72.48	4.72	9.43	18.9	
131-11-3	Dimethyl phthalate	43.21	1.18	2.36	4.72	
534-52-1	4,6-Dinitro-2-methylphenol	85.09	4.72	9.43	18.9	
51-28-5	2,4-Dinitrophenol	75.94	0.943	23.6	47.2	
121-14-2	2,4-Dinitrotoluene	41.32	1.18	2.36	4.72	
606-20-2	2,6-Dinitrotoluene	41.11	1.18	2.36	4.72	
117-84-0	Di-n-octylphthalate	41.00	1.18	2.36	4.72	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Matrix: Laboratory ID: 2E08006-MSD1 File ID: 0502813S.D

Sampled: Prepared: Analyzed: 05/09/12 21:52

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E08006 Sequence: 2E13107 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	40.96	1.18	2.36	4.72	
117-81-7	Bis(2-ethylhexyl)phthalate	42.74	1.18	2.36	4.72	
206-44-0	Fluoranthene	44.75	1.18	2.36	4.72	
86-73-7	Fluorene	40.65	1.18	2.36	4.72	
118-74-1	Hexachlorobenzene	43.00	1.18	2.36	4.72	
87-68-3	Hexachlorobutadiene	37.86	1.18	2.36	4.72	
77-47-4	Hexachlorocyclopentadiene	36.14	1.18	2.36	4.72	
67-72-1	Hexachloroethane	31.95	1.18	2.36	4.72	
193-39-5	Indeno(1,2,3-cd)pyrene	43.79	1.18	2.36	4.72	
78-59-1	Isophorone	34.86	1.18	2.36	4.72	
90-12-0	1-Methylnaphthalene	37.30	1.18	2.36	4.72	
91-57-6	2-Methylnaphthalene	36.27	1.18	2.36	4.72	
95-48-7	2-Methylphenol	48.80	1.18	2.36	4.72	
108-39-4/106	3-Methylphenol/4-Methylphenol	46.11	1.18	2.36	4.72	
91-20-3	Naphthalene	36.04	1.18	2.36	4.72	
100-01-6	4-Nitroaniline	40.22	4.72	9.43	18.9	
99-09-2	3-Nitroaniline	34.02	4.72	9.43	18.9	
88-74-4	2-Nitroaniline	42.45	4.72	9.43	18.9	
98-95-3	Nitrobenzene	37.47	1.18	2.36	4.72	
100-02-7	4-Nitrophenol	23.09	4.72	9.43	18.9	
88-75-5	2-Nitrophenol	83.02	1.18	2.36	4.72	
86-30-6	N-Nitrosodiphenylamine	33.08	1.18	2.36	4.72	
621-64-7	N-Nitroso-di-n-propylamine	39.68	1.18	2.36	4.72	
87-86-5	Pentachlorophenol	94.24	4.72	9.43	18.9	
85-01-8	Phenanthrene	43.94	1.18	2.36	4.72	
108-95-2	Phenol	18.51	1.18	2.36	4.72	
129-00-0	Pyrene	41.55	1.18	2.36	4.72	
88-06-2	2,4,6-Trichlorophenol	82.62	1.18	2.36	4.72	
95-95-4	2,4,5-Trichlorophenol	88.28	1.18	2.36	4.72	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.25	79.0	50 - 110	X
2-Fluorophenol	94.34	29.88	31.7	20 - 110	
Nitrobenzene-d5	47.17	38.13	80.8	40 - 110	
Phenol-d6	94.34	15.80	16.7	0 - 110	
Terphenyl-d14	47.17	44.56	94.5	50 - 135	
2,4,6-Tribromophenol	94.34	84.85	89.9	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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
GW0526	04/30/12 16:44	05/02/12 08:20	05/02/12 12:28	1.78	7.00	05/04/12 15:20	2.12	40.00	
GW0553	04/30/12 11:57	05/02/12 08:20	05/02/12 12:28	1.98	7.00	05/04/12 15:48	2.14	40.00	
GW0554	04/30/12 14:50	05/02/12 08:20	05/02/12 12:28	1.86	7.00	05/04/12 16:16	2.16	40.00	
GW0602	05/01/12 11:16	05/02/12 08:20	05/02/12 12:28	1.01	7.00	05/04/12 16:43	2.18	40.00	
GW0617	04/30/12 12:57	05/02/12 08:20	05/02/12 12:28	1.94	7.00	05/04/12 17:11	2.20	40.00	
GW0618	04/30/12 10:24	05/02/12 08:20	05/02/12 12:28	2.04	7.00	05/04/12 17:38	2.22	40.00	
GW0525	05/01/12 14:25	05/03/12 08:30	05/07/12 11:00	5.82	7.00	05/08/12 16:07	1.21	40.00	
GW0538	05/02/12 13:16	05/03/12 08:30	05/07/12 11:00	4.86	7.00	05/08/12 16:34	1.23	40.00	
GW0539	05/02/12 10:44	05/03/12 08:30	05/07/12 11:00	4.97	7.00	05/08/12 17:57	1.29	40.00	
GW0561	05/02/12 10:41	05/03/12 08:30	05/07/12 11:00	4.97	7.00	05/08/12 18:24	1.31	40.00	
GW0601	05/01/12 15:22	05/03/12 08:30	05/07/12 11:00	5.78	7.00	05/08/12 18:51	1.33	40.00	
GW0507	05/03/12 15:48	05/04/12 08:20	05/08/12 12:14	4.81	7.00	05/09/12 18:14	1.25	40.00	
GW0524	05/03/12 10:28	05/04/12 08:20	05/08/12 12:14	5.03	7.00	05/09/12 18:42	1.27	40.00	
GW0537	05/02/12 15:45	05/04/12 08:20	05/08/12 12:14	5.81	7.00	05/09/12 19:09	1.29	40.00	
GW0555	05/03/12 13:25	05/04/12 08:20	05/08/12 12:14	4.91	7.00	05/09/12 19:36	1.31	40.00	
GW0556	05/03/12 13:25	05/04/12 08:20	05/08/12 12:14	4.91	7.00	05/09/12 20:03	1.33	40.00	
GW0580	05/03/12 16:05	05/04/12 08:20	05/08/12 12:14	4.80	7.00	05/09/12 20:31	1.35	40.00	
GW0581	05/03/12 11:26	05/04/12 08:20	05/08/12 12:14	4.99	7.00	05/09/12 20:58	1.36	40.00	
GW0582	05/03/12 13:58	05/04/12 08:20	05/08/12 12:14	4.89	7.00	05/09/12 22:19	1.42	40.00	
GW0616	05/02/12 15:31	05/04/12 08:20	05/08/12 12:14	5.82	7.00	05/09/12 22:46	1.44	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10208	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10208-CAL1	003F0301.D	04/09/12 14:48
Cal Standard	2D10208-CAL2	004F0401.D	04/09/12 15:22
Cal Standard	2D10208-CAL3	005F0501.D	04/09/12 15:55
Cal Standard	2D10208-CAL4	006F0601.D	04/09/12 16:29
Cal Standard	2D10208-CAL5	007F0701.D	04/09/12 17:02
Cal Standard	2D10208-CAL6	008F0801.D	04/09/12 17:35
Initial Cal Check	2D10208-ICV1	009F0901.D	04/09/12 18:09

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12901	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12901-CCV1	005F0501.D	05/04/12 07:13
Blank	2E03004-BLK1	006F0601.D	05/04/12 07:46
LCS	2E03004-BS1	007F0701.D	05/04/12 08:20
LCS Dup	2E03004-BSD1	008F0801.D	05/04/12 09:07
GW0526	1205009-01	009F0901.D	05/04/12 10:07
GW0553	1205009-03	010F1001.D	05/04/12 10:40
GW0554	1205009-05	011F1101.D	05/04/12 11:14
GW0602	1205009-07	012F1201.D	05/04/12 11:48
GW0617	1205009-09	013F1301.D	05/04/12 12:21
GW0618	1205009-11	014F1401.D	05/04/12 12:55
GW0525	1205021-01	015F1501.D	05/04/12 13:29
GW0538	1205021-03	016F1601.D	05/04/12 14:03
GW0538	2E03004-MS1	017F1701.D	05/04/12 14:37
GW0538	2E03004-MSD1	018F1801.D	05/04/12 15:10
GW0539	1205021-05	019F1901.D	05/04/12 15:44
GW0561	1205021-07	020F2001.D	05/04/12 16:18
Calibration Check	2E12901-CCV2	021F2101.D	05/04/12 16:52
GW0601	1205021-09	022F2201.D	05/04/12 17:25
Calibration Check	2E12901-CCV3	023F2301.D	05/04/12 17:58

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13005	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13005-CCV1	004F0401.D	05/08/12 17:34
Blank	2E08009-BLK1	005F0501.D	05/08/12 18:07
LCS	2E08009-BS1	006F0601.D	05/08/12 18:40
GW0507	1205028-01	007F0701.D	05/08/12 19:14
GW0524	1205028-03	008F0801.D	05/08/12 19:47
GW0537	1205028-05	009F0901.D	05/08/12 20:20
GW0555	1205028-07	010F1001.D	05/08/12 20:53
GW0556	1205028-09	011F1101.D	05/08/12 21:26
GW0580	1205028-11	012F1201.D	05/08/12 22:00
GW0581	1205028-13	013F1301.D	05/08/12 22:33
GW0581	2E08009-MS1	014F1401.D	05/08/12 23:06
GW0581	2E08009-MSD1	015F1501.D	05/08/12 23:39
GW0582	1205028-15	016F1601.D	05/09/12 00:12
GW0616	1205028-17	017F1701.D	05/09/12 00:45
Calibration Check	2E13005-CCV2	019F1901.D	05/09/12 09:01

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	009F0901.D
Sampled:	04/30/12 16:44	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 10:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01710	87.2	30 - 140	

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	010F1001.D
Sampled:	04/30/12 11:57	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 10:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01642	85.4	30 - 140	

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	011F1101.D
Sampled:	04/30/12 14:50	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 11:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01625	84.5	30 - 140	

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	012F1201.D
Sampled:	05/01/12 11:16	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 11:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01628	84.7	30 - 140	

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	013F1301.D
Sampled:	04/30/12 12:57	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 12:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.196	0.392	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01746	89.1	30 - 140	

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	014F1401.D
Sampled:	04/30/12 10:24	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 12:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01554	80.8	30 - 140	

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	015F1501.D
Sampled:	05/01/12 14:25	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 13:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01644	87.1	30 - 140	

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	016F1601.D
Sampled:	05/02/12 13:16	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 14:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01798	93.5	30 - 140	

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	019F1901.D
Sampled:	05/02/12 10:44	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 15:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01626	87.0	30 - 140	

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	020F2001.D
Sampled:	05/02/12 10:41	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 16:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01933	101	30 - 140	

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	022F2201.D
Sampled:	05/01/12 15:22	Prepared:	05/03/12 13:21	Analyzed:	05/04/12 17:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E03004 Sequence: 2E12901 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	2.27	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02453	125	30 - 140	

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	007F0701.D
Sampled:	05/03/12 15:48	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 19:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01430	75.8	30 - 140	

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	008F0801.D
Sampled:	05/03/12 10:28	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 19:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01498	79.4	30 - 140	

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	009F0901.D
Sampled:	05/02/12 15:45	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 20:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01751	92.8	30 - 140	

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	010F1001.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 20:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01732	92.6	30 - 140	

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	011F1101.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 21:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01466	77.7	30 - 140	

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	012F1201.D
Sampled:	05/03/12 16:05	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 22:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.275	0.0980	0.196	0.392	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01590	81.1	30 - 140	

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	013F1301.D
Sampled:	05/03/12 11:26	Prepared:	05/08/12 14:10	Analyzed:	05/08/12 22:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01933	102	30 - 140	

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	016F1601.D
Sampled:	05/03/12 13:58	Prepared:	05/08/12 14:10	Analyzed:	05/09/12 00:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01738	90.4	30 - 140	

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	017F1701.D
Sampled:	05/02/12 15:31	Prepared:	05/08/12 14:10	Analyzed:	05/09/12 00:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E08009 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02128	113	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03004	Laboratory ID:	2E03004-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	0.8426	84.3	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	0.8164	81.6	3.16	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08009	Laboratory ID:	2E08009-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	0.7742	77.4	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03004

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9615	ND	0.7924	82.4		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9434	0.8799	93.3	10.5		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08009

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9346	ND	0.7660	82.0		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9434	0.8402	89.1	9.23		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E03004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/03/12 13:21	1,020.00	1.00
GW0553	1205009-03	05/03/12 13:21	1,040.00	1.00
GW0554	1205009-05	05/03/12 13:21	1,040.00	1.00
GW0602	1205009-07	05/03/12 13:21	1,040.00	1.00
GW0617	1205009-09	05/03/12 13:21	1,020.00	1.00
GW0618	1205009-11	05/03/12 13:21	1,040.00	1.00
GW0525	1205021-01	05/03/12 13:21	1,060.00	1.00
GW0538	1205021-03	05/03/12 13:21	1,040.00	1.00
GW0539	1205021-05	05/03/12 13:21	1,070.00	1.00
GW0561	1205021-07	05/03/12 13:21	1,040.00	1.00
GW0601	1205021-09	05/03/12 13:21	1,020.00	1.00
Blank	2E03004-BLK1	05/03/12 13:21	1,000.00	1.00
LCS	2E03004-BS1	05/03/12 13:21	1,000.00	1.00
LCS Dup	2E03004-BSD1	05/03/12 13:21	1,000.00	1.00
GW0538	2E03004-MS1	05/03/12 13:21	1,040.00	1.00
GW0538	2E03004-MSD1	05/03/12 13:21	1,060.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E08009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/08/12 14:10	1,060.00	1.00
GW0524	1205028-03	05/08/12 14:10	1,060.00	1.00
GW0537	1205028-05	05/08/12 14:10	1,060.00	1.00
GW0555	1205028-07	05/08/12 14:10	1,070.00	1.00
GW0556	1205028-09	05/08/12 14:10	1,060.00	1.00
GW0580	1205028-11	05/08/12 14:10	1,020.00	1.00
GW0581	1205028-13	05/08/12 14:10	1,060.00	1.00
GW0582	1205028-15	05/08/12 14:10	1,040.00	1.00
GW0616	1205028-17	05/08/12 14:10	1,060.00	1.00
Blank	2E08009-BLK1	05/08/12 14:10	1,000.00	1.00
LCS	2E08009-BS1	05/08/12 14:10	1,000.00	1.00
GW0581	2E08009-MS1	05/08/12 14:10	1,070.00	1.00
GW0581	2E08009-MSD1	05/08/12 14:10	1,060.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10208	Instrument:	GL-GCFID2
Calibration:	2102003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12C0716	DRO ICAL1@5000ppm	2D10208-CAL1	003F0301.D	04/09/12 14:48
12C0715	DRO ICAL2@2500ppm	2D10208-CAL2	004F0401.D	04/09/12 15:22
12C0714	DRO ICAL3@1000ppm	2D10208-CAL3	005F0501.D	04/09/12 15:55
12C0713	DRO ICAL4@500ppm	2D10208-CAL4	006F0601.D	04/09/12 16:29
12C0712	DRO ICAL5@250ppm	2D10208-CAL5	007F0701.D	04/09/12 17:02
12C0710	DRO ICAL6@100ppm	2D10208-CAL6	008F0801.D	04/09/12 17:35

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2102003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/9/12_14:48	4/9/12_17:35

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	1348.094	2500	1086.088	1000	1405.672	500	1051.374	250	938.532	100	814.42
o-Terphenyl	250	1395.896	125	1395.864	50	1861	25	1461.76	12.5	1416.8	5	1426.8

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2102003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/9/12 14:48	4/9/12 17:35

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1107.363	20.78366	6.263	1.742195E-02		0.9946033	0.99	
o-Terphenyl	1493.02	12.18393	11.32233	0.13649			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	009F0901.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10208	Injection Date:	04/09/12
Lab Sample ID:	2D10208-ICV1	Injection Time:	18:09

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	879.0	1107.363	973.839		-12.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	005F0501.D	Calibration Date:	04/09/12 12:43
Sequence:	2E12901	Injection Date:	05/04/12
Lab Sample ID:	2E12901-CCV1	Injection Time:	07:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	896.6	1107.363	993.578		-10.3	20
o-Terphenyl	A	50.00	45.13	1493.02	1347.7		-9.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	021F2101.D	Calibration Date:	04/09/12 12:43
Sequence:	2E12901	Injection Date:	05/04/12
Lab Sample ID:	2E12901-CCV2	Injection Time:	16:52

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	957.1	1107.363	1061.694		-4.3	20
o-Terphenyl	A	50.00	47.65	1493.02	1422.88		-4.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	023F2301.D	Calibration Date:	04/09/12 12:43
Sequence:	2E12901	Injection Date:	05/04/12
Lab Sample ID:	2E12901-CCV3	Injection Time:	17:58

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	902.9	1107.363	1000.634		-9.7	20
o-Terphenyl	A	50.00	43.47	1493.02	1298.06		-13.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	004F0401.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13005	Injection Date:	05/08/12
Lab Sample ID:	2E13005-CCV1	Injection Time:	17:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	962.1	1107.363	1067.427		-3.8	20
o-Terphenyl	A	50.00	45.38	1493.02	1355.22		-9.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	019F1901.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13005	Injection Date:	05/09/12
Lab Sample ID:	2E13005-CCV2	Injection Time:	09:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1102	1107.363	1226.084		10.2	20
o-Terphenyl	A	50.00	46.19	1493.02	1379.16		-7.6	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12901	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12901-CCV1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/04/12 07:13		
o-Terphenyl	50.00	90.3	80 - 120	11.333	11.333	0.0000	+/-0.050	
Blank (2E03004-BLK1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/04/12 07:46		
o-Terphenyl	0.02000	89.4	30 - 140	11.34	11.333	0.0070	+/-0.050	
LCS (2E03004-BS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/04/12 08:20		
o-Terphenyl	0.02000	95.8	30 - 140	11.34	11.333	0.0070	+/-0.050	
LCS Dup (2E03004-BSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/04/12 09:07		
o-Terphenyl	0.02000	97.4	30 - 140	11.4	11.333	0.0670	+/-0.050	*
GW0526 (1205009-01) mg/L				Lab File ID: 009F0901.D		Analyzed: 05/04/12 10:07		
o-Terphenyl	0.01961	87.2	30 - 140	11.416	11.333	0.0830	+/-0.050	*
GW0553 (1205009-03) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/04/12 10:40		
o-Terphenyl	0.01923	85.4	30 - 140	11.33	11.333	-0.0030	+/-0.050	
GW0554 (1205009-05) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/04/12 11:14		
o-Terphenyl	0.01923	84.5	30 - 140	11.363	11.333	0.0300	+/-0.050	
GW0602 (1205009-07) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/04/12 11:48		
o-Terphenyl	0.01923	84.7	30 - 140	11.363	11.333	0.0300	+/-0.050	
GW0617 (1205009-09) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/04/12 12:21		
o-Terphenyl	0.01961	89.1	30 - 140	11.356	11.333	0.0230	+/-0.050	
GW0618 (1205009-11) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/04/12 12:55		
o-Terphenyl	0.01923	80.8	30 - 140	11.353	11.333	0.0200	+/-0.050	
GW0525 (1205021-01) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/04/12 13:29		
o-Terphenyl	0.01887	87.1	30 - 140	11.373	11.333	0.0400	+/-0.050	
GW0538 (1205021-03) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/04/12 14:03		
o-Terphenyl	0.01923	93.5	30 - 140	11.356	11.333	0.0230	+/-0.050	
Matrix Spike (2E03004-MS1) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/04/12 14:37		
o-Terphenyl	0.01923	89.3	30 - 140	11.36	11.333	0.0270	+/-0.050	
Matrix Spike Dup (2E03004-MSD1) mg/L				Lab File ID: 018F1801.D		Analyzed: 05/04/12 15:10		
o-Terphenyl	0.01887	102	30 - 140	11.356	11.333	0.0230	+/-0.050	
GW0539 (1205021-05) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/04/12 15:44		
o-Terphenyl	0.01869	87.0	30 - 140	11.366	11.333	0.0330	+/-0.050	
GW0561 (1205021-07) mg/L				Lab File ID: 020F2001.D		Analyzed: 05/04/12 16:18		
o-Terphenyl	0.01923	101	30 - 140	11.346	11.333	0.0130	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12901	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12901-CCV2) mg/L				Lab File ID: 021F2101.D		Analyzed: 05/04/12 16:52		
o-Terphenyl	50.00	95.3	80 - 120	11.326	11.333	-0.0070	+/-0.050	
GW0601 (1205021-09) mg/L				Lab File ID: 022F2201.D		Analyzed: 05/04/12 17:25		
o-Terphenyl	0.01961	125	30 - 140	11.33	11.333	-0.0030	+/-0.050	
Calibration Check (2E12901-CCV3) mg/L				Lab File ID: 023F2301.D		Analyzed: 05/04/12 17:58		
o-Terphenyl	50.00	86.9	80 - 120	11.306	11.333	-0.0270	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13005	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13005-CCV1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/08/12 17:34		
o-Terphenyl	50.00	90.8	80 - 120	11.243	11.243	0.0000	+/-0.050	
Blank (2E08009-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/08/12 18:07		
o-Terphenyl	0.02000	90.1	30 - 140	11.236	11.243	-0.0070	+/-0.050	
LCS (2E08009-BS1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/08/12 18:40		
o-Terphenyl	0.02000	79.6	30 - 140	11.24	11.243	-0.0030	+/-0.050	
GW0507 (1205028-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/08/12 19:14		
o-Terphenyl	0.01887	75.8	30 - 140	11.236	11.243	-0.0070	+/-0.050	
GW0524 (1205028-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/08/12 19:47		
o-Terphenyl	0.01887	79.4	30 - 140	11.24	11.243	-0.0030	+/-0.050	
GW0537 (1205028-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 05/08/12 20:20		
o-Terphenyl	0.01887	92.8	30 - 140	11.226	11.243	-0.0170	+/-0.050	
GW0555 (1205028-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/08/12 20:53		
o-Terphenyl	0.01869	92.6	30 - 140	11.246	11.243	0.0030	+/-0.050	
GW0556 (1205028-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/08/12 21:26		
o-Terphenyl	0.01887	77.7	30 - 140	11.216	11.243	-0.0270	+/-0.050	
GW0580 (1205028-11) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/08/12 22:00		
o-Terphenyl	0.01961	81.1	30 - 140	11.22	11.243	-0.0230	+/-0.050	
GW0581 (1205028-13) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/08/12 22:33		
o-Terphenyl	0.01887	102	30 - 140	11.22	11.243	-0.0230	+/-0.050	
Matrix Spike (2E08009-MS1) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/08/12 23:06		
o-Terphenyl	0.01869	86.2	30 - 140	11.22	11.243	-0.0230	+/-0.050	
Matrix Spike Dup (2E08009-MSD1) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/08/12 23:39		
o-Terphenyl	0.01887	92.9	30 - 140	11.22	11.243	-0.0230	+/-0.050	
GW0582 (1205028-15) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/09/12 00:12		
o-Terphenyl	0.01923	90.4	30 - 140	11.216	11.243	-0.0270	+/-0.050	
GW0616 (1205028-17) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/09/12 00:45		
o-Terphenyl	0.01887	113	30 - 140	11.213	11.243	-0.0300	+/-0.050	
Calibration Check (2E13005-CCV2) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/09/12 09:01		
o-Terphenyl	50.00	92.4	80 - 120	11.343	11.243	0.1000	+/-0.050	*

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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
GW0526	04/30/12 16:44	05/02/12 08:20	05/03/12 13:21	2.82	7.00	05/04/12 10:07	0.87	40.00	
GW0553	04/30/12 11:57	05/02/12 08:20	05/03/12 13:21	3.02	7.00	05/04/12 10:40	0.89	40.00	
GW0554	04/30/12 14:50	05/02/12 08:20	05/03/12 13:21	2.90	7.00	05/04/12 11:14	0.91	40.00	
GW0602	05/01/12 11:16	05/02/12 08:20	05/03/12 13:21	2.05	7.00	05/04/12 11:48	0.94	40.00	
GW0617	04/30/12 12:57	05/02/12 08:20	05/03/12 13:21	2.98	7.00	05/04/12 12:21	0.96	40.00	
GW0618	04/30/12 10:24	05/02/12 08:20	05/03/12 13:21	3.08	7.00	05/04/12 12:55	0.98	40.00	
GW0525	05/01/12 14:25	05/03/12 08:30	05/03/12 13:21	1.91	7.00	05/04/12 13:29	1.01	40.00	
GW0538	05/02/12 13:16	05/03/12 08:30	05/03/12 13:21	0.96	7.00	05/04/12 14:03	1.03	40.00	
GW0539	05/02/12 10:44	05/03/12 08:30	05/03/12 13:21	1.07	7.00	05/04/12 15:44	1.10	40.00	
GW0561	05/02/12 10:41	05/03/12 08:30	05/03/12 13:21	1.07	7.00	05/04/12 16:18	1.12	40.00	
GW0601	05/01/12 15:22	05/03/12 08:30	05/03/12 13:21	1.87	7.00	05/04/12 17:25	1.17	40.00	
GW0507	05/03/12 15:48	05/04/12 08:20	05/08/12 14:10	4.89	7.00	05/08/12 19:14	0.21	40.00	
GW0524	05/03/12 10:28	05/04/12 08:20	05/08/12 14:10	5.11	7.00	05/08/12 19:47	0.23	40.00	
GW0537	05/02/12 15:45	05/04/12 08:20	05/08/12 14:10	5.89	7.00	05/08/12 20:20	0.26	40.00	
GW0555	05/03/12 13:25	05/04/12 08:20	05/08/12 14:10	4.99	7.00	05/08/12 20:53	0.28	40.00	
GW0556	05/03/12 13:25	05/04/12 08:20	05/08/12 14:10	4.99	7.00	05/08/12 21:26	0.30	40.00	
GW0580	05/03/12 16:05	05/04/12 08:20	05/08/12 14:10	4.88	7.00	05/08/12 22:00	0.33	40.00	
GW0581	05/03/12 11:26	05/04/12 08:20	05/08/12 14:10	5.07	7.00	05/08/12 22:33	0.35	40.00	
GW0582	05/03/12 13:58	05/04/12 08:20	05/08/12 14:10	4.97	7.00	05/09/12 00:12	0.42	40.00	
GW0616	05/02/12 15:31	05/04/12 08:20	05/08/12 14:10	5.90	7.00	05/09/12 00:45	0.44	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03004-BLK1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/04/12 07:46
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E03004	Sequence:	2E12901	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01789	89.4	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03004-BS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	05/04/12 08:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E03004	Sequence:	2E12901	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8426	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01916	95.8	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03004-BSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	05/04/12 09:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E03004	Sequence:	2E12901	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8164	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01949	97.4	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03004-MS1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	05/04/12 14:37
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E03004	Sequence:	2E12901	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7924	0.0962	0.192	0.385	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01717	89.3	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03004-MSD1	File ID:	018F1801.D
Sampled:		Prepared:		Analyzed:	05/04/12 15:10
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E03004	Sequence:	2E12901	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8799	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01922	102	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E08009-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/08/12 18:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E08009	Sequence:	2E13005	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01802	90.1	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E08009-BS1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/08/12 18:40
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E08009	Sequence:	2E13005	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7742	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01592	79.6	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E08009-MS1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	05/08/12 23:06
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E08009	Sequence:	2E13005	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7660	0.0935	0.187	0.374	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01611	86.2	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E08009-MSD1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	05/08/12 23:39
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E08009	Sequence:	2E13005	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8402	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01752	92.9	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10012	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10012-CAL1	003F0301.D	04/06/12 14:12
Cal Standard	2D10012-CAL2	004F0401.D	04/06/12 14:51
Cal Standard	2D10012-CAL3	005F0501.D	04/06/12 15:30
Cal Standard	2D10012-CAL4	006F0601.D	04/06/12 16:09
Cal Standard	2D10012-CAL5	007F0701.D	04/06/12 16:48
Cal Standard	2D10012-CAL6	008F0801.D	04/06/12 17:27
Initial Cal Check	2D10012-ICV1	009F0901.D	04/06/12 18:06

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12904	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12904-CCV1	003F0301.D	05/04/12 08:25
LCS	2E03008-BS1	004F0401.D	05/04/12 09:35
Blank	2E03008-BLK1	005F0501.D	05/04/12 10:15
GW0526	1205009-01	007F0701.D	05/04/12 11:34
GW0553	1205009-03	008F0801.D	05/04/12 12:13
GW0554	1205009-05	009F0901.D	05/04/12 12:53
GW0602	1205009-07	010F1001.D	05/04/12 13:33
GW0617	1205009-09	011F1101.D	05/04/12 14:12
GW0618	1205009-11	012F1201.D	05/04/12 14:52
GW0525	1205021-01	013F1301.D	05/04/12 15:31
GW0538	1205021-03	014F1401.D	05/04/12 16:10
GW0538	2E03008-MS1	015F1501.D	05/04/12 16:49
GW0538	2E03008-MSD1	016F1601.D	05/04/12 17:28
Calibration Check	2E12904-CCV2	017F1701.D	05/04/12 18:06
GW0539	1205021-05	018F1801.D	05/04/12 18:45
GW0561	1205021-07	019F1901.D	05/04/12 19:23
GW0601	1205021-09	020F2001.D	05/04/12 20:01
Calibration Check	2E12904-CCV3	021F2101.D	05/04/12 20:39

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13111	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13111-CCV1	003F0301.D	05/09/12 07:43
LCS	2E09005-BS1	004F0401.D	05/09/12 08:50
Blank	2E09005-BLK1	005F0501.D	05/09/12 09:29
GW0507	1205028-01	006F0601.D	05/09/12 10:08
GW0524	1205028-03	007F0701.D	05/09/12 10:47
GW0537	1205028-05	008F0801.D	05/09/12 11:26
GW0555	1205028-07	009F0901.D	05/09/12 12:05
GW0556	1205028-09	010F1001.D	05/09/12 12:44
GW0580	1205028-11	011F1101.D	05/09/12 13:22
GW0581	1205028-13	012F1201.D	05/09/12 14:01
GW0581	2E09005-MS1	013F1301.D	05/09/12 14:40
GW0581	2E09005-MSD1	014F1401.D	05/09/12 15:18
GW0582	1205028-15	015F1501.D	05/09/12 15:57
GW0616	1205028-17	016F1601.D	05/09/12 16:35
Calibration Check	2E13111-CCV2	017F1701.D	05/09/12 17:13

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	007F0701.D
Sampled:	04/30/12 16:44	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 11:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05057	101	50 - 150	

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	008F0801.D
Sampled:	04/30/12 11:57	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 12:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05131	103	50 - 150	

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	009F0901.D
Sampled:	04/30/12 14:50	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 12:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05275	106	50 - 150	

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	010F1001.D
Sampled:	05/01/12 11:16	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 13:33
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05205	104	50 - 150	

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	011F1101.D
Sampled:	04/30/12 12:57	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 14:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05394	108	50 - 150	

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	012F1201.D
Sampled:	04/30/12 10:24	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 14:52
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05308	106	50 - 150	

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	013F1301.D
Sampled:	05/01/12 14:25	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 15:31
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0738	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05310	106	50 - 150	

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	014F1401.D
Sampled:	05/02/12 13:16	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 16:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.05202	104	50 - 150	

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	018F1801.D
Sampled:	05/02/12 10:44	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 18:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.04794	95.9	50 - 150	

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	019F1901.D
Sampled:	05/02/12 10:41	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 19:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 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	0.04834	96.7	50 - 150	

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	020F2001.D
Sampled:	05/01/12 15:22	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 20:01
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.06	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04816	96.3	50 - 150	

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	006F0601.D
Sampled:	05/03/12 15:48	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 10:08
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.05211	104	50 - 150	

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	007F0701.D
Sampled:	05/03/12 10:28	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 10:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.05123	102	50 - 150	

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	008F0801.D
Sampled:	05/02/12 15:45	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 11:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.05080	102	50 - 150	

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	009F0901.D
Sampled:	05/03/12 13:25	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 12:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.04963	99.3	50 - 150	

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	010F1001.D
Sampled:	05/03/12 13:25	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 12:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.04713	94.3	50 - 150	

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	011F1101.D
Sampled:	05/03/12 16:05	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 13:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.114	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04900	98.0	50 - 150	

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	012F1201.D
Sampled:	05/03/12 11:26	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 14:01
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.04831	96.6	50 - 150	

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	015F1501.D
Sampled:	05/03/12 13:58	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 15:57
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.04668	93.4	50 - 150	

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	016F1601.D
Sampled:	05/02/12 15:31	Prepared:	05/09/12 06:48	Analyzed:	05/09/12 16:35
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E09005 Sequence: 2E13111 Calibration: 2100004 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	0.04832	96.6	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03008	Laboratory ID:	2E03008-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	0.4041	80.8	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E09005	Laboratory ID:	2E09005-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	0.4319	86.4	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03008

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4487	89.7		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4479	89.6	0.178		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E09005

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4347	86.9		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4265	85.3	1.90		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E03008 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/04/12 06:28	5.00	5.00
GW0553	1205009-03	05/04/12 06:28	5.00	5.00
GW0554	1205009-05	05/04/12 06:28	5.00	5.00
GW0602	1205009-07	05/04/12 06:28	5.00	5.00
GW0617	1205009-09	05/04/12 06:28	5.00	5.00
GW0618	1205009-11	05/04/12 06:28	5.00	5.00
GW0525	1205021-01	05/04/12 06:28	5.00	5.00
GW0538	1205021-03	05/04/12 06:28	5.00	5.00
GW0539	1205021-05	05/04/12 06:28	5.00	5.00
GW0561	1205021-07	05/04/12 06:28	5.00	5.00
GW0601	1205021-09	05/04/12 06:28	5.00	5.00
Blank	2E03008-BLK1	05/04/12 06:28	5.00	5.00
LCS	2E03008-BS1	05/04/12 06:28	5.00	5.00
GW0538	2E03008-MS1	05/04/12 06:28	5.00	5.00
GW0538	2E03008-MSD1	05/04/12 06:28	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E09005 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/09/12 06:48	5.00	5.00
GW0524	1205028-03	05/09/12 06:48	5.00	5.00
GW0537	1205028-05	05/09/12 06:48	5.00	5.00
GW0555	1205028-07	05/09/12 06:48	5.00	5.00
GW0556	1205028-09	05/09/12 06:48	5.00	5.00
GW0580	1205028-11	05/09/12 06:48	5.00	5.00
GW0581	1205028-13	05/09/12 06:48	5.00	5.00
GW0582	1205028-15	05/09/12 06:48	5.00	5.00
GW0616	1205028-17	05/09/12 06:48	5.00	5.00
Blank	2E09005-BLK1	05/09/12 06:48	5.00	5.00
LCS	2E09005-BS1	05/09/12 06:48	5.00	5.00
GW0581	2E09005-MS1	05/09/12 06:48	5.00	5.00
GW0581	2E09005-MSD1	05/09/12 06:48	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10012	Instrument:	GL-GCVOA2
Calibration:	2100004		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12D0177	GRO Cal 0.1ppm	2D10012-CAL1	003F0301.D	04/06/12 14:12
12D0178	GRO Cal 0.2ppm	2D10012-CAL2	004F0401.D	04/06/12 14:51
12D0179	GRO Cal 0.5ppm	2D10012-CAL3	005F0501.D	04/06/12 15:30
12D0180	GRO Cal 1.0ppm	2D10012-CAL4	006F0601.D	04/06/12 16:09
12D0181	GRO Cal 2.0ppm	2D10012-CAL5	007F0701.D	04/06/12 16:48
12D0182	GRO Cal 5.0ppm	2D10012-CAL6	008F0801.D	04/06/12 17:27

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2100004	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	4/6/12_14:12	4/6/12_17:27

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	2025640	0.2	1479620	0.5	1423608	1	1474626	2	1464329	5	1373920
Bromofluorobenzene	0.01	1313600	0.02	1114250	0.05	1035720	0.1	1068850	0.2	1060405	0.5	1041776

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2100004	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	4/6/12 14:12	4/6/12 17:27

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1540290	15.65222	7.77	1.784319E-02			20	
Bromofluorobenzene	1105767	9.544083	20.28133	1.031725E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	009F0901.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10012	Injection Date:	04/06/12
Lab Sample ID:	2D10012-ICV1	Injection Time:	18:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4745	1540290	1461726		-5.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	003F0301.D	Calibration Date:	04/06/12 13:52
Sequence:	2E12904	Injection Date:	05/04/12
Lab Sample ID:	2E12904-CCV1	Injection Time:	08:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4629	1540290	1425956		-7.4	20
Bromofluorobenzene	A	0.05000	0.04543	1105767	1004640		-9.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	017F1701.D	Calibration Date:	04/06/12 13:52
Sequence:	2E12904	Injection Date:	05/04/12
Lab Sample ID:	2E12904-CCV2	Injection Time:	18:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4333	1540290	1334744		-13.3	20
Bromofluorobenzene	A	0.05000	0.04416	1105767	976540		-11.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	021F2101.D	Calibration Date:	04/06/12 13:52
Sequence:	2E12904	Injection Date:	05/04/12
Lab Sample ID:	2E12904-CCV3	Injection Time:	20:39

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4377	1540290	1348510		-12.5	20
Bromofluorobenzene	A	0.05000	0.04389	1105767	970720		-12.2	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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	003F0301.D	Calibration Date:	04/06/12 13:52
Sequence:	2E13111	Injection Date:	05/09/12
Lab Sample ID:	2E13111-CCV1	Injection Time:	07:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5254	1540290	1618554		5.1	20
Bromofluorobenzene	A	0.05000	0.05339	1105767	1180700		6.8	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_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	017F1701.D	Calibration Date:	04/06/12 13:52
Sequence:	2E13111	Injection Date:	05/09/12
Lab Sample ID:	2E13111-CCV2	Injection Time:	17:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4641	1540290	1429608		-7.2	20
Bromofluorobenzene	A	0.05000	0.04811	1105767	1064000		-3.8	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12904	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12904-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 05/04/12 08:25		
Bromofluorobenzene	0.05000	90.9	80 - 120	20.276	20.276	0.0000	+/-0.210	
LCS (2E03008-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/04/12 09:35		
Bromofluorobenzene	0.05000	91.2	50 - 150	20.28	20.276	0.0040	+/-0.210	
Blank (2E03008-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/04/12 10:15		
Bromofluorobenzene	0.05000	98.0	50 - 150	20.283	20.276	0.0070	+/-0.210	
GW0526 (1205009-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/04/12 11:34		
Bromofluorobenzene	0.05000	101	50 - 150	20.29	20.276	0.0140	+/-0.210	
GW0553 (1205009-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/04/12 12:13		
Bromofluorobenzene	0.05000	103	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0554 (1205009-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 05/04/12 12:53		
Bromofluorobenzene	0.05000	106	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0602 (1205009-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/04/12 13:33		
Bromofluorobenzene	0.05000	104	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0617 (1205009-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/04/12 14:12		
Bromofluorobenzene	0.05000	108	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0618 (1205009-11) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/04/12 14:52		
Bromofluorobenzene	0.05000	106	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0525 (1205021-01) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/04/12 15:31		
Bromofluorobenzene	0.05000	106	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0538 (1205021-03) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/04/12 16:10		
Bromofluorobenzene	0.05000	104	50 - 150	20.296	20.276	0.0200	+/-0.210	
Matrix Spike (2E03008-MS1) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/04/12 16:49		
Bromofluorobenzene	0.05000	95.3	50 - 150	20.3	20.276	0.0240	+/-0.210	
Matrix Spike Dup (2E03008-MSD1) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/04/12 17:28		
Bromofluorobenzene	0.05000	85.9	50 - 150	20.3	20.276	0.0240	+/-0.210	
Calibration Check (2E12904-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 05/04/12 18:06		
Bromofluorobenzene	0.05000	88.3	80 - 120	20.303	20.276	0.0270	+/-0.210	
GW0539 (1205021-05) mg/L				Lab File ID: 018F1801.D		Analyzed: 05/04/12 18:45		
Bromofluorobenzene	0.05000	95.9	50 - 150	20.306	20.276	0.0300	+/-0.210	
GW0561 (1205021-07) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/04/12 19:23		
Bromofluorobenzene	0.05000	96.7	50 - 150	20.31	20.276	0.0340	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12904	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0601 (1205021-09) mg/L				Lab File ID: 020F2001.D		Analyzed: 05/04/12 20:01		
Bromofluorobenzene	0.05000	96.3	50 - 150	20.313	20.276	0.0370	+/-0.210	
Calibration Check (2E12904-CCV3) ug/mL				Lab File ID: 021F2101.D		Analyzed: 05/04/12 20:39		
Bromofluorobenzene	0.05000	87.8	80 - 120	20.306	20.276	0.0300	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13111	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13111-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 05/09/12 07:43		
Bromofluorobenzene	0.05000	107	80 - 120	20.276	20.276	0.0000	+/-0.210	
LCS (2E09005-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/09/12 08:50		
Bromofluorobenzene	0.05000	99.0	50 - 150	20.276	20.276	0.0000	+/-0.210	
Blank (2E09005-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/09/12 09:29		
Bromofluorobenzene	0.05000	103	50 - 150	20.28	20.276	0.0040	+/-0.210	
GW0507 (1205028-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/09/12 10:08		
Bromofluorobenzene	0.05000	104	50 - 150	20.29	20.276	0.0140	+/-0.210	
GW0524 (1205028-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 05/09/12 10:47		
Bromofluorobenzene	0.05000	102	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0537 (1205028-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/09/12 11:26		
Bromofluorobenzene	0.05000	102	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0555 (1205028-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 05/09/12 12:05		
Bromofluorobenzene	0.05000	99.3	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0556 (1205028-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/09/12 12:44		
Bromofluorobenzene	0.05000	94.3	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0580 (1205028-11) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/09/12 13:22		
Bromofluorobenzene	0.05000	98.0	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0581 (1205028-13) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/09/12 14:01		
Bromofluorobenzene	0.05000	96.6	50 - 150	20.3	20.276	0.0240	+/-0.210	
Matrix Spike (2E09005-MS1) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/09/12 14:40		
Bromofluorobenzene	0.05000	87.3	50 - 150	20.3	20.276	0.0240	+/-0.210	
Matrix Spike Dup (2E09005-MSD1) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/09/12 15:18		
Bromofluorobenzene	0.05000	85.9	50 - 150	20.303	20.276	0.0270	+/-0.210	
GW0582 (1205028-15) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/09/12 15:57		
Bromofluorobenzene	0.05000	93.4	50 - 150	20.303	20.276	0.0270	+/-0.210	
GW0616 (1205028-17) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/09/12 16:35		
Bromofluorobenzene	0.05000	96.6	50 - 150	20.306	20.276	0.0300	+/-0.210	
Calibration Check (2E13111-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 05/09/12 17:13		
Bromofluorobenzene	0.05000	96.2	80 - 120	20.303	20.276	0.0270	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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
GW0526	04/30/12 16:44	05/02/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 11:34	3.74	14.00	
GW0553	04/30/12 11:57	05/02/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 12:13	3.97	14.00	
GW0554	04/30/12 14:50	05/02/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 12:53	3.88	14.00	
GW0602	05/01/12 11:16	05/02/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 13:33	3.05	14.00	
GW0617	04/30/12 12:57	05/02/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 14:12	4.01	14.00	
GW0618	04/30/12 10:24	05/02/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 14:52	4.14	14.00	
GW0525	05/01/12 14:25	05/03/12 08:30	05/04/12 06:28	N/A	14.00	05/04/12 15:31	3.00	14.00	
GW0538	05/02/12 13:16	05/03/12 08:30	05/04/12 06:28	N/A	14.00	05/04/12 16:10	2.08	14.00	
GW0539	05/02/12 10:44	05/03/12 08:30	05/04/12 06:28	N/A	14.00	05/04/12 18:45	2.29	14.00	
GW0561	05/02/12 10:41	05/03/12 08:30	05/04/12 06:28	N/A	14.00	05/04/12 19:23	2.32	14.00	
GW0601	05/01/12 15:22	05/03/12 08:30	05/04/12 06:28	N/A	14.00	05/04/12 20:01	3.15	14.00	
GW0507	05/03/12 15:48	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 10:08	5.72	14.00	
GW0524	05/03/12 10:28	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 10:47	5.97	14.00	
GW0537	05/02/12 15:45	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 11:26	6.78	14.00	
GW0555	05/03/12 13:25	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 12:05	5.90	14.00	
GW0556	05/03/12 13:25	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 12:44	5.93	14.00	
GW0580	05/03/12 16:05	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 13:22	5.85	14.00	
GW0581	05/03/12 11:26	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 14:01	6.07	14.00	
GW0582	05/03/12 13:58	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 15:57	6.04	14.00	
GW0616	05/02/12 15:31	05/04/12 08:20	05/09/12 06:48	N/A	14.00	05/09/12 16:35	7.00	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03008-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/04/12 10:15
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E03008	Sequence:	2E12904	Calibration:	2100004	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	0.04900	98.0	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03008-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/04/12 09:35
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E03008	Sequence:	2E12904	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4041	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04560	91.2	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E03008-MS1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	05/04/12 16:49
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E03008	Sequence:	2E12904	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4487	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04763	95.3	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E03008-MSD1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	05/04/12 17:28
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4479	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04293	85.9	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E09005-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/09/12 09:29
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E09005	Sequence:	2E13111	Calibration:	2100004	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	0.05148	103	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E09005-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/09/12 08:50
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E09005	Sequence:	2E13111	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4319	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04949	99.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E09005-MS1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	05/09/12 14:40
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E09005	Sequence:	2E13111	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4347	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04366	87.3	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E09005-MSD1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	05/09/12 15:18
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E09005	Sequence:	2E13111	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4265	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04294	85.9	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10802	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10802-CAL1	002R0101.D	04/13/12 10:24
Cal Standard	2D10802-CAL1	002F0101.D	04/13/12 10:24
Cal Standard	2D10802-CAL2	003F0101.D	04/13/12 10:45
Cal Standard	2D10802-CAL2	003R0101.D	04/13/12 10:45
Cal Standard	2D10802-CAL3	004F0101.D	04/13/12 11:06
Cal Standard	2D10802-CAL3	004R0101.D	04/13/12 11:06
Cal Standard	2D10802-CAL4	005F0101.D	04/13/12 11:27
Cal Standard	2D10802-CAL4	005R0101.D	04/13/12 11:27
Cal Standard	2D10802-CAL5	006R0101.D	04/13/12 11:49
Cal Standard	2D10802-CAL5	006F0101.D	04/13/12 11:49
Cal Standard	2D10802-CAL6	007R0101.D	04/13/12 12:10
Cal Standard	2D10802-CAL6	007F0101.D	04/13/12 12:10
Cal Standard	2D10802-CAL7	008F0101.D	04/13/12 12:31
Cal Standard	2D10802-CAL7	008R0101.D	04/13/12 12:31
Cal Standard	2D10802-CAL8	009F0101.D	04/13/12 12:53
Cal Standard	2D10802-CAL8	009R0101.D	04/13/12 12:53
Cal Standard	2D10802-CAL9	010F0101.D	04/13/12 13:14
Cal Standard	2D10802-CAL9	010R0101.D	04/13/12 13:14
Initial Cal Check	2D10802-ICV1	011R0101.D	04/13/12 13:35
Initial Cal Check	2D10802-ICV1	011F0101.D	04/13/12 13:35

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13007	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13007-CCV1	002R0101.D	05/08/12 14:53
Calibration Check	2E13007-CCV1	002F0101.D	05/08/12 14:53
Blank	2E03026-BLK1	003R0101.D	05/08/12 15:14
Blank	2E03026-BLK1	003F0101.D	05/08/12 15:14
LCS	2E03026-BS1	004F0101.D	05/08/12 15:36
LCS	2E03026-BS1	004R0101.D	05/08/12 15:36
GW0526	1205009-01	005R0101.D	05/08/12 15:57
GW0526	1205009-01	005F0101.D	05/08/12 15:57
GW0553	1205009-03	006F0101.D	05/08/12 16:18
GW0553	1205009-03	006R0101.D	05/08/12 16:18
GW0554	1205009-05	007F0101.D	05/08/12 16:40
GW0554	1205009-05	007R0101.D	05/08/12 16:40
GW0602	1205009-07	008R0101.D	05/08/12 17:01
GW0602	1205009-07	008F0101.D	05/08/12 17:01
GW0617	1205009-09	009R0101.D	05/08/12 17:22
GW0617	1205009-09	009F0101.D	05/08/12 17:22
GW0618	1205009-11	010F0101.D	05/08/12 17:44
GW0525	1205021-01	011F0101.D	05/08/12 18:05
GW0525	1205021-01	011R0101.D	05/08/12 18:05
GW0538	1205021-03	012F0101.D	05/08/12 18:26
GW0538	1205021-03	012R0101.D	05/08/12 18:26
GW0538	2E03026-MS1	013R0101.D	05/08/12 18:48
GW0538	2E03026-MS1	013F0101.D	05/08/12 18:48
GW0538	2E03026-MSD1	014R0101.D	05/08/12 19:09
GW0538	2E03026-MSD1	014F0101.D	05/08/12 19:09
GW0539	1205021-05	015F0101.D	05/08/12 19:30
GW0539	1205021-05	015R0101.D	05/08/12 19:30
GW0561	1205021-07	016F0101.D	05/08/12 19:51
GW0561	1205021-07	016R0101.D	05/08/12 19:51
Calibration Check	2E13007-CCV2	017F0101.D	05/08/12 20:12
Calibration Check	2E13007-CCV2	017R0101.D	05/08/12 20:12
GW0601	1205021-09	018R0101.D	05/08/12 20:34

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13007	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0601	1205021-09	018F0101.D	05/08/12 20:34
GW0507	1205028-01	019R0101.D	05/08/12 20:55
GW0507	1205028-01	019F0101.D	05/08/12 20:55
GW0524	1205028-03	020F0101.D	05/08/12 21:16
GW0524	1205028-03	020R0101.D	05/08/12 21:16
GW0537	1205028-05	021F0101.D	05/08/12 21:37
GW0537	1205028-05	021R0101.D	05/08/12 21:37
GW0555	1205028-07	022F0101.D	05/08/12 21:58
GW0556	1205028-09	023R0101.D	05/08/12 22:19
GW0556	1205028-09	023F0101.D	05/08/12 22:19
GW0580	1205028-11	024R0101.D	05/08/12 22:41
GW0580	1205028-11	024F0101.D	05/08/12 22:41
GW0581	1205028-13	025R0101.D	05/08/12 23:02
GW0581	2E03026-MS2	026F0101.D	05/08/12 23:23
GW0581	2E03026-MS2	026R0101.D	05/08/12 23:23
GW0581	2E03026-MSD2	027F0101.D	05/08/12 23:44
GW0581	2E03026-MSD2	027R0101.D	05/08/12 23:44
GW0582	1205028-15	028R0101.D	05/09/12 00:05
GW0582	1205028-15	028F0101.D	05/09/12 00:05
GW0616	1205028-17	029F0101.D	05/09/12 00:26
GW0616	1205028-17	029R0101.D	05/09/12 00:26
Calibration Check	2E13007-CCV3	030R0101.D	05/09/12 00:48
Calibration Check	2E13007-CCV3	030F0101.D	05/09/12 00:48

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01	File ID:	005F0101.D
Sampled:	04/30/12 16:44	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 15:57
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.548	0.00943	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03	File ID:	006R0101.D
Sampled:	04/30/12 11:57	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 16:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00923	0.0185	0.0277	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05	File ID:	007R0101.D
Sampled:	04/30/12 14:50	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 16:40
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00917	0.0183	0.0275	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07	File ID:	008R0101.D
Sampled:	05/01/12 11:16	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 17:01
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00932	0.0186	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09	File ID:	009R0101.D
Sampled:	04/30/12 12:57	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 17:22
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00943	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11	File ID:	010F0101.D
Sampled:	04/30/12 10:24	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 17:44
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00941	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01	File ID:	011F0101.D
Sampled:	05/01/12 14:25	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 18:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0842	0.00941	0.0188	0.0282	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03	File ID:	012F0101.D
Sampled:	05/02/12 13:16	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 18:26
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.426	0.00924	0.0185	0.0277	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05	File ID:	015F0101.D
Sampled:	05/02/12 10:44	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 19:30
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.179	0.00933	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07	File ID:	016F0101.D
Sampled:	05/02/12 10:41	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 19:51
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.189	0.00942	0.0188	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09	File ID:	018R0101.D
Sampled:	05/01/12 15:22	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 20:34
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0971	0.00936	0.0187	0.0281	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01	File ID:	019R0101.D
Sampled:	05/03/12 15:48	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 20:55
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00937	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03	File ID:	020R0101.D
Sampled:	05/03/12 10:28	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 21:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00943	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05	File ID:	021F0101.D
Sampled:	05/02/12 15:45	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 21:37
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.590	0.00945	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07	File ID:	022F0101.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 21:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00944	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09	File ID:	023R0101.D
Sampled:	05/03/12 13:25	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 22:19
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11	File ID:	024F0101.D
Sampled:	05/03/12 16:05	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 22:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0656	0.00937	0.0187	0.0281	P

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13	File ID:	025R0101.D
Sampled:	05/03/12 11:26	Prepared:	05/08/12 08:34	Analyzed:	05/08/12 23:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00942	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15	File ID:	028F0101.D
Sampled:	05/03/12 13:58	Prepared:	05/08/12 08:34	Analyzed:	05/09/12 00:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0959	0.00944	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17	File ID:	029R0101.D
Sampled:	05/02/12 15:31	Prepared:	05/08/12 08:34	Analyzed:	05/09/12 00:26
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00942	0.0188	0.0283	U

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03026	Laboratory ID:	2E03026-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5375	108	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4803	96.1	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03026

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4621	0.4263	0.8737	96.8		70 - 130
1,2-Dibromoethane [2C]	0.4621	0.3911	0.8005	88.6		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4630	0.9215	107	5.33		20	70 - 130
1,2-Dibromoethane [2C]	0.4630	0.8321	95.3	3.87		20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03026

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4657	ND	0.3876	83.2		70 - 130
1,2-Dibromoethane [2C]	0.4657	ND	0.3719	79.9		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4732	0.3858	81.5	0.474		20	70 - 130
1,2-Dibromoethane [2C]	0.4732	0.3719	78.6	0.0138		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E03026 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/08/12 08:34	37.12	35.00
GW0553	1205009-03	05/08/12 08:34	37.91	35.00
GW0554	1205009-05	05/08/12 08:34	38.17	35.00
GW0602	1205009-07	05/08/12 08:34	37.55	35.00
GW0617	1205009-09	05/08/12 08:34	37.10	35.00
GW0618	1205009-11	05/08/12 08:34	37.18	35.00
GW0525	1205021-01	05/08/12 08:34	37.19	35.00
GW0538	1205021-03	05/08/12 08:34	37.89	35.00
GW0539	1205021-05	05/08/12 08:34	37.52	35.00
GW0561	1205021-07	05/08/12 08:34	37.14	35.00
GW0601	1205021-09	05/08/12 08:34	37.40	35.00
GW0507	1205028-01	05/08/12 08:34	37.34	35.00
GW0524	1205028-03	05/08/12 08:34	37.13	35.00
GW0537	1205028-05	05/08/12 08:34	37.04	35.00
GW0555	1205028-07	05/08/12 08:34	37.08	35.00
GW0556	1205028-09	05/08/12 08:34	37.01	35.00
GW0580	1205028-11	05/08/12 08:34	37.36	35.00
GW0581	1205028-13	05/08/12 08:34	37.17	35.00
GW0582	1205028-15	05/08/12 08:34	37.07	35.00
GW0616	1205028-17	05/08/12 08:34	37.14	35.00
Blank	2E03026-BLK1	05/08/12 08:34	35.00	35.00
LCS	2E03026-BS1	05/08/12 08:34	35.00	35.00
GW0538	2E03026-MS1	05/08/12 08:34	37.87	35.00
GW0581	2E03026-MS2	05/08/12 08:34	37.58	35.00
GW0538	2E03026-MSD1	05/08/12 08:34	37.80	35.00
GW0581	2E03026-MSD2	05/08/12 08:34	36.98	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	05/08/12 08:34	Analyzed:	05/08/12 15:14
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10802	Instrument:	GL-ECD2
Calibration:	2108003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12D0357	EDB ICAL 1 (0.02ppb)	2D10802-CAL1	002R0101.D	04/13/12 10:24
12D0357	EDB ICAL 1 (0.02ppb)	2D10802-CAL1	002F0101.D	04/13/12 10:24
12D0358	EDB ICAL 2 (0.03ppb)	2D10802-CAL2	003F0101.D	04/13/12 10:45
12D0358	EDB ICAL 2 (0.03ppb)	2D10802-CAL2	003R0101.D	04/13/12 10:45
12D0359	EDB ICAL 3 (0.05ppb)	2D10802-CAL3	004F0101.D	04/13/12 11:06
12D0359	EDB ICAL 3 (0.05ppb)	2D10802-CAL3	004R0101.D	04/13/12 11:06
12D0360	EDB ICAL 4 (0.10ppb)	2D10802-CAL4	005R0101.D	04/13/12 11:27
12D0360	EDB ICAL 4 (0.10ppb)	2D10802-CAL4	005F0101.D	04/13/12 11:27
12D0361	EDB ICAL 5 (0.15ppb)	2D10802-CAL5	006R0101.D	04/13/12 11:49
12D0361	EDB ICAL 5 (0.15ppb)	2D10802-CAL5	006F0101.D	04/13/12 11:49
12D0362	EDB ICAL 6 (0.2ppb)	2D10802-CAL6	007F0101.D	04/13/12 12:10
12D0362	EDB ICAL 6 (0.2ppb)	2D10802-CAL6	007R0101.D	04/13/12 12:10
12D0363	EDB ICAL 7 (0.4ppb)	2D10802-CAL7	008F0101.D	04/13/12 12:31
12D0363	EDB ICAL 7 (0.4ppb)	2D10802-CAL7	008R0101.D	04/13/12 12:31
12D0364	EDB ICAL 8 (0.5ppb)	2D10802-CAL8	009F0101.D	04/13/12 12:53
12D0364	EDB ICAL 8 (0.5ppb)	2D10802-CAL8	009R0101.D	04/13/12 12:53
12D0365	EDB ICAL 9 (1.0ppb)	2D10802-CAL9	010R0101.D	04/13/12 13:14
12D0365	EDB ICAL 9 (1.0ppb)	2D10802-CAL9	010F0101.D	04/13/12 13:14

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12_10:24	4/13/12_13:14

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.02	234350	0.03	163033.3	0.05	113700	0.1	76040	0.15	64133.33	0.2	56065
1,2-Dibromoethane [2C]	0.02	50900	0.03	48733.33	0.05	39820	0.1	44150	0.15	44933.33	0.2	40870
1,2-Dibromo-3-chloropropane	0.02	195550	0.03	149766.7	0.05	118780	0.1	93640	0.15	85113.34	0.2	76330
1,2-Dibromo-3-chloropropane [2C]	0.02	416250	0.03	302966.7	0.05	213080	0.1	141420	0.15	117820	0.2	102315

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12 10:24	4/13/12 13:14

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.4	45147.5	0.5	42614	1	35537						
1,2-Dibromoethane [2C]	0.4	38130	0.5	36230	1	33802						
1,2-Dibromo-3-chloropropane	0.4	63437.5	0.5	59714	1	51387						
1,2-Dibromo-3-chloropropane [2C]	0.4	79512.5	0.5	74702	1	66819						

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12 10:24	4/13/12 13:14

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	92291.13	72.60867	2.397667	0.1579833		0.9999566	0.995	
1,2-Dibromoethane [2C]	41952.07	13.56968	2.269556	5.571845E-02	0.9964529		0.995	
1,2-Dibromo-3-chloropropane	99302.06	47.90027	8.479555	1.880337E-02		0.99965	0.995	
1,2-Dibromo-3-chloropropane [2C]	168320.6	71.59714	8.67	1.635293E-02	0.9991172		0.995	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	011F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10802	Injection Date:	04/13/12
Lab Sample ID:	2D10802-ICV1	Injection Time:	13:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4962	92291.13	42294		-0.8	20
1,2-Dibromoethane [2C]	L	0.5000	0.5064	41952.07	35958		1.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	002F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13007	Injection Date:	05/08/12
Lab Sample ID:	2E13007-CCV1	Injection Time:	14:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5348	92291.13	44684		7.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.4502	41952.07	32180		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	017F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13007	Injection Date:	05/08/12
Lab Sample ID:	2E13007-CCV2	Injection Time:	20:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5063	92291.13	42924		1.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4842	41952.07	34472		-3.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	030F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13007	Injection Date:	05/09/12
Lab Sample ID:	2E13007-CCV3	Injection Time:	00:48

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4867	92291.13	41698		-2.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.4661	41952.07	33254		-6.8	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_052

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
GW0526	04/30/12 16:44	05/02/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 15:57	7.93	14.00	
GW0553	04/30/12 11:57	05/02/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 16:18	8.14	14.00	
GW0554	04/30/12 14:50	05/02/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 16:40	8.03	14.00	
GW0602	05/01/12 11:16	05/02/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 17:01	7.20	14.00	
GW0617	04/30/12 12:57	05/02/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 17:22	8.14	14.00	
GW0618	04/30/12 10:24	05/02/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 17:44	8.26	14.00	
GW0525	05/01/12 14:25	05/03/12 08:30	05/08/12 08:34	N/A	14.00	05/08/12 18:05	7.11	14.00	
GW0538	05/02/12 13:16	05/03/12 08:30	05/08/12 08:34	N/A	14.00	05/08/12 18:26	6.17	14.00	
GW0539	05/02/12 10:44	05/03/12 08:30	05/08/12 08:34	N/A	14.00	05/08/12 19:30	6.32	14.00	
GW0561	05/02/12 10:41	05/03/12 08:30	05/08/12 08:34	N/A	14.00	05/08/12 19:51	6.34	14.00	
GW0601	05/01/12 15:22	05/03/12 08:30	05/08/12 08:34	N/A	14.00	05/08/12 20:34	7.18	14.00	
GW0507	05/03/12 15:48	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 20:55	5.17	14.00	
GW0524	05/03/12 10:28	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 21:16	5.41	14.00	
GW0537	05/02/12 15:45	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 21:37	6.20	14.00	
GW0555	05/03/12 13:25	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 21:58	5.31	14.00	
GW0556	05/03/12 13:25	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 22:19	5.33	14.00	
GW0580	05/03/12 16:05	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 22:41	5.23	14.00	
GW0581	05/03/12 11:26	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/08/12 23:02	5.44	14.00	
GW0582	05/03/12 13:58	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/09/12 00:05	5.38	14.00	
GW0616	05/02/12 15:31	05/04/12 08:20	05/08/12 08:34	N/A	14.00	05/09/12 00:26	6.33	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 15:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5375	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 15:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4803	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MS1	File ID:	013F0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 18:48
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.8737	0.00924	0.0185	0.0277	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MS1	File ID:	013R0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 18:48
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.8005	0.00924	0.0185	0.0277	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MS2	File ID:	026F0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 23:23
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3876	0.00931	0.0186	0.0279	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E03026-MS2	File ID:	026R0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 23:23
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.3719	0.00931	0.0186	0.0279	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MSD1	File ID:	014F0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 19:09
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.9215	0.00926	0.0185	0.0278	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MSD1	File ID:	014R0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 19:09
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.8321	0.00926	0.0185	0.0278	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MSD2	File ID:	027F0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 23:44
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3858	0.00946	0.0189	0.0284	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_052
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E03026-MSD2	File ID:	027R0101.D
Sampled:		Prepared:		Analyzed:	05/08/12 23:44
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E03026 Sequence: 2E13007 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.3719	0.00946	0.0189	0.0284	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0526

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205009-01

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.548	
	2	2.22	2.24	2.30	0.501	9

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0525

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205021-01

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.0842	
	2	2.22	2.24	2.30	0.0585	36

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0538

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205021-03

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.426	
	2	2.22	2.24	2.30	0.391	9

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0539

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205021-05

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.179	
	2	2.22	2.24	2.30	0.161	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0561

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205021-07

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.189	
	2	2.22	2.24	2.30	0.170	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0601

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205021-09

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.0721	
	2	2.22	2.24	2.30	0.0971	30

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0537

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205028-05

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.590	
	2	2.22	2.24	2.30	0.543	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0580

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205028-11

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.0656	
	2	2.22	2.24	2.30	0.0373	55

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0582

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1205028-15

Date(s) Analyzed: 05/09/2012 05/09/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.0959	
	2	2.22	2.24	2.30	0.0739	26

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E03026-BS1

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.5375	
	2	2.22	2.24	2.30	0.4803	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E03026-MS1

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.8737	
	2	2.22	2.24	2.30	0.8005	9

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E03026-MS2

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.3876	
	2	2.22	2.24	2.30	0.3719	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E03026-MSD1

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.33	2.37	2.43	0.9215	
	2	2.20	2.24	2.30	0.8321	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E03026-MSD2

Date(s) Analyzed: 05/08/2012 05/08/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.3858	
	2	2.22	2.24	2.30	0.3719	4

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01
Sampled:	04/30/12 16:44	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44200	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:49
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:49
7439-95-4	Magnesium	5970	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:49
7440-09-7	Potassium	2190	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:49
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:49

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-02
Sampled:	04/30/12 16:44	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07014	05/11/12 17:13
7439-96-5	Manganese (dissolved)	86.6	3.00	6.00	15.0	1		SW6010B	2E07014	05/11/12 17:13

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03
Sampled:	04/30/12 11:57	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	195000	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:53
7439-92-1	Lead		3.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:53
7439-95-4	Magnesium	26400	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:53
7440-09-7	Potassium	4240	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:53
7440-23-5	Sodium	37900	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:53

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-04
Sampled:	04/30/12 11:57	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07014	05/11/12 17:17
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 17:17

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05
Sampled:	04/30/12 14:50	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58700	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:58
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:58
7439-95-4	Magnesium	8210	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:58
7440-09-7	Potassium	2710	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:58
7440-23-5	Sodium	26000	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:58

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-06
Sampled:	04/30/12 14:50	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07014	05/11/12 17:22
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 17:22

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07
Sampled:	05/01/12 11:16	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33300	1000	2000	5000	1		SW6010B	2E08002	05/11/12 13:02
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 13:02
7439-95-4	Magnesium	4470	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:02
7440-09-7	Potassium	2000	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:02
7440-23-5	Sodium	20900	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:02

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-08
Sampled:	05/01/12 11:16	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07014	05/11/12 17:27
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 17:27

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09
Sampled:	04/30/12 12:57	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33600	1000	2000	5000	1		SW6010B	2E08002	05/11/12 13:07
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E08002	05/11/12 13:07
7439-95-4	Magnesium	4520	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:07
7440-09-7	Potassium	1930	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:07
7440-23-5	Sodium	24600	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:07

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-10
Sampled:	04/30/12 12:57	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07014	05/11/12 17:31
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 17:31

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11
Sampled:	04/30/12 10:24	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	32600	1000	2000	5000	1		SW6010B	2E08002	05/11/12 13:11
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 13:11
7439-95-4	Magnesium	4380	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:11
7440-09-7	Potassium	1980	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:11
7440-23-5	Sodium	24100	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:11

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-12
Sampled:	04/30/12 10:24	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:18
7439-96-5	Manganese (dissolved)	4.45	3.00	6.00	15.0	1	J	SW6010B	2E07015	05/11/12 18:18

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01
Sampled:	05/01/12 14:25	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	74800	1000	2000	5000	1		SW6010B	2E08002	05/11/12 13:16
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 13:16
7439-95-4	Magnesium	10300	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:16
7440-09-7	Potassium	3250	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:16
7440-23-5	Sodium	32100	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:16

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-02
Sampled:	05/01/12 14:25	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	54.6	30.0	60.0	100	1	J	SW6010B	2E07015	05/11/12 18:22
7439-96-5	Manganese (dissolved)	220	3.00	6.00	15.0	1		SW6010B	2E07015	05/11/12 18:22

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03
Sampled:	05/02/12 13:16	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	65300	1000	2000	5000	1		SW6010B	2E08002	05/11/12 13:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E08002	05/11/12 13:20
7439-95-4	Magnesium	8490	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:20
7440-09-7	Potassium	2810	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 13:20
7440-23-5	Sodium	31100	1000	3000	5000	1		SW6010B	2E08002	05/11/12 13:20

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-04
Sampled:	05/02/12 13:16	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07014	05/11/12 17:35
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 17:35

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05
Sampled:	05/02/12 10:44	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47100	1000	2000	5000	1		SW6010B	2E14022	05/15/12 11:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 11:43
7439-95-4	Magnesium	6080	1000	3000	5000	1		SW6010B	2E14022	05/15/12 11:43
7440-09-7	Potassium	2560	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 11:43
7440-23-5	Sodium	28100	1000	3000	5000	1		SW6010B	2E14022	05/15/12 11:43

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-06
Sampled:	05/02/12 10:44	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:27
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 18:27

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07
Sampled:	05/02/12 10:41	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45200	1000	2000	5000	1		SW6010B	2E14022	05/15/12 11:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 11:48
7439-95-4	Magnesium	5810	1000	3000	5000	1		SW6010B	2E14022	05/15/12 11:48
7440-09-7	Potassium	2450	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 11:48
7440-23-5	Sodium	25900	1000	3000	5000	1		SW6010B	2E14022	05/15/12 11:48

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-08
Sampled:	05/02/12 10:41	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:31
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 18:31

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09
Sampled:	05/01/12 15:22	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	59100	1000	2000	5000	1		SW6010B	2E14022	05/15/12 11:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 11:52
7439-95-4	Magnesium	7520	1000	3000	5000	1		SW6010B	2E14022	05/15/12 11:52
7440-09-7	Potassium	2810	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 11:52
7440-23-5	Sodium	27500	1000	3000	5000	1		SW6010B	2E14022	05/15/12 11:52

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-10
Sampled:	05/01/12 15:22	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:36
7439-96-5	Manganese (dissolved)	172	3.00	6.00	15.0	1		SW6010B	2E07015	05/11/12 18:36

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01
Sampled:	05/03/12 15:48	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43000	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 12:14
7439-95-4	Magnesium	6370	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:14
7440-09-7	Potassium	2340	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:14
7440-23-5	Sodium	22800	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:14

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-02
Sampled:	05/03/12 15:48	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:40
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 18:40

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03
Sampled:	05/03/12 10:28	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58600	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:18
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 12:18
7439-95-4	Magnesium	8520	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:18
7440-09-7	Potassium	2460	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:18
7440-23-5	Sodium	26400	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:18

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-04
Sampled:	05/03/12 10:28	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:44
7439-96-5	Manganese (dissolved)	12.1	3.00	6.00	15.0	1	J	SW6010B	2E07015	05/11/12 18:44

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05
Sampled:	05/02/12 15:45	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58300	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 12:23
7439-95-4	Magnesium	7810	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:23
7440-09-7	Potassium	2390	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:23
7440-23-5	Sodium	29300	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:23

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-06
Sampled:	05/02/12 15:45	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:49
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 18:49

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07
Sampled:	05/03/12 13:25	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	48400	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:27
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E14022	05/15/12 12:27
7439-95-4	Magnesium	6720	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:27
7440-09-7	Potassium	2400	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:27
7440-23-5	Sodium	23700	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:27

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-08
Sampled:	05/03/12 13:25	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:53
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 18:53

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09
Sampled:	05/03/12 13:25	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49100	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 12:32
7439-95-4	Magnesium	6860	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:32
7440-09-7	Potassium	2440	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:32
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:32

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-10
Sampled:	05/03/12 13:25	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 18:58
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 18:58

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11
Sampled:	05/03/12 16:05	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	52100	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:36
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E14022	05/15/12 12:36
7439-95-4	Magnesium	7380	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:36
7440-09-7	Potassium	2510	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:36
7440-23-5	Sodium	25200	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:36

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-12
Sampled:	05/03/12 16:05	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 19:15
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 19:15

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13
Sampled:	05/03/12 11:26	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	31900	1000	2000	5000	1		SW6010B	2E14022	05/15/12 12:41
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 12:41
7439-95-4	Magnesium	4470	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:41
7440-09-7	Potassium	1930	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 12:41
7440-23-5	Sodium	21400	1000	3000	5000	1		SW6010B	2E14022	05/15/12 12:41

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-14
Sampled:	05/03/12 11:26	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 19:20
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 19:20

ANALYSIS DATA SHEET

GW0582

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 05/03/12 13:58
% Solids: 0.00

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 1205028-15
Received: 05/04/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	50800	1000	2000	5000	1		SW6010B	2E14022	05/15/12 13:03
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E14022	05/15/12 13:03
7439-95-4	Magnesium	7230	1000	3000	5000	1		SW6010B	2E14022	05/15/12 13:03
7440-09-7	Potassium	2660	1000	3000	5000	1	J	SW6010B	2E14022	05/15/12 13:03
7440-23-5	Sodium	25600	1000	3000	5000	1		SW6010B	2E14022	05/15/12 13:03

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-16
Sampled:	05/03/12 13:58	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 19:38
7439-96-5	Manganese (dissolved)	41.1	3.00	6.00	15.0	1		SW6010B	2E07015	05/11/12 19:38

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17
Sampled:	05/02/12 15:31	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35600	1000	2000	5000	1		SW6010B	2E16024	05/17/12 20:16
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E16024	05/17/12 20:16
7439-95-4	Magnesium	4400	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:16
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2E16024	05/17/12 20:16
7440-23-5	Sodium	26200	1000	3000	5000	1		SW6010B	2E16024	05/17/12 20:16

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-18
Sampled:	05/02/12 15:31	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2E07015	05/11/12 19:43
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07015	05/11/12 19:43

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_052
Project: Kirtland AFB 2011
Calibration: 2132004
Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13208-ICV1	Calcium	50000	49990	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9943	99.4	ug/L	+/- 10.00%
	Lead	1000	965.2	96.5	ug/L	+/- 10.00%
	Magnesium	50000	49500	99.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	982.6	98.3	ug/L	+/- 10.00%
	Potassium	10000	9881	98.8	ug/L	+/- 10.00%
	Sodium	50000	50370	101	ug/L	+/- 10.00%
2E13208-CCV1	Calcium	50000	50520	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Lead	1000	962.2	96.2	ug/L	+/- 10.00%
	Magnesium	50000	49910	99.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	988.8	98.9	ug/L	+/- 10.00%
	Potassium	10000	9622	96.2	ug/L	+/- 10.00%
	Sodium	50000	50680	101	ug/L	+/- 10.00%
2E13208-CCV3	Calcium	50000	50770	102	ug/L	+/- 10.00%
	Lead	1000	966.9	96.7	ug/L	+/- 10.00%
	Magnesium	50000	49540	99.1	ug/L	+/- 10.00%
	Potassium	10000	9888	98.9	ug/L	+/- 10.00%
	Sodium	50000	51200	102	ug/L	+/- 10.00%
2E13208-CCV4	Calcium	50000	50090	100	ug/L	+/- 10.00%
	Lead	1000	975.5	97.5	ug/L	+/- 10.00%
	Magnesium	50000	49720	99.4	ug/L	+/- 10.00%
	Potassium	10000	9570	95.7	ug/L	+/- 10.00%
	Sodium	50000	50360	101	ug/L	+/- 10.00%
2E13208-CCV5	Calcium	50000	51670	103	ug/L	+/- 10.00%
	Lead	1000	973.9	97.4	ug/L	+/- 10.00%
	Magnesium	50000	49540	99.1	ug/L	+/- 10.00%
	Potassium	10000	9932	99.3	ug/L	+/- 10.00%
	Sodium	50000	52070	104	ug/L	+/- 10.00%
2E13208-CCV7	Iron (dissolved)	10000	9816	98.2	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	966.6	96.7	ug/L	+/- 10.00%
2E13208-CCV8	Iron (dissolved)	10000	9641	96.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	963.7	96.4	ug/L	+/- 10.00%
2E13208-CCV9	Iron (dissolved)	10000	10680	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1069	107	ug/L	+/- 10.00%
2E13208-CCVA	Iron (dissolved)	10000	10350	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1010	101	ug/L	+/- 10.00%
2E13208-CCVB	Iron (dissolved)	10000	9928	99.3	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_052
Project: Kirtland AFB 2011
Calibration: 2132004
Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13208-CCVB	Manganese (dissolved)	1000	956.1	95.6	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_052
Project: Kirtland AFB 2011
Calibration: 2136001
Sequence: 2E13605

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13605-ICV1	Calcium	50000	49670	99.3	ug/L	+/- 10.00%
	Lead	1000	1043	104	ug/L	+/- 10.00%
	Magnesium	50000	49480	99.0	ug/L	+/- 10.00%
	Potassium	10000	9707	97.1	ug/L	+/- 10.00%
	Sodium	50000	50010	100	ug/L	+/- 10.00%
2E13605-CCV1	Calcium	50000	49830	99.7	ug/L	+/- 10.00%
	Lead	1000	1012	101	ug/L	+/- 10.00%
	Magnesium	50000	48830	97.7	ug/L	+/- 10.00%
	Potassium	10000	9758	97.6	ug/L	+/- 10.00%
	Sodium	50000	50510	101	ug/L	+/- 10.00%
2E13605-CCV2	Calcium	50000	49020	98.0	ug/L	+/- 10.00%
	Lead	1000	1081	108	ug/L	+/- 10.00%
	Magnesium	50000	49240	98.5	ug/L	+/- 10.00%
	Potassium	10000	9360	93.6	ug/L	+/- 10.00%
	Sodium	50000	49460	98.9	ug/L	+/- 10.00%
2E13605-CCV3	Calcium	50000	49360	98.7	ug/L	+/- 10.00%
	Lead	1000	1012	101	ug/L	+/- 10.00%
	Magnesium	50000	48360	96.7	ug/L	+/- 10.00%
	Potassium	10000	9685	96.9	ug/L	+/- 10.00%
	Sodium	50000	50040	100	ug/L	+/- 10.00%
2E13605-CCV4	Calcium	50000	49190	98.4	ug/L	+/- 10.00%
	Lead	1000	998.6	99.9	ug/L	+/- 10.00%
	Magnesium	50000	47800	95.6	ug/L	+/- 10.00%
	Potassium	10000	9562	95.6	ug/L	+/- 10.00%
	Sodium	50000	49940	99.9	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_052
Project: Kirtland AFB 2011
Calibration: 2145001
Sequence: 2E14501

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14501-ICV1	Calcium	50000	52200	104	ug/L	+/- 10.00%
	Lead	1000	971.0	97.1	ug/L	+/- 10.00%
	Magnesium	50000	49050	98.1	ug/L	+/- 10.00%
	Potassium	10000	10020	100	ug/L	+/- 10.00%
	Sodium	50000	52310	105	ug/L	+/- 10.00%
2E14501-CCV1	Calcium	50000	51490	103	ug/L	+/- 10.00%
	Lead	1000	979.1	97.9	ug/L	+/- 10.00%
	Magnesium	50000	48000	96.0	ug/L	+/- 10.00%
	Potassium	10000	10240	102	ug/L	+/- 10.00%
	Sodium	50000	52450	105	ug/L	+/- 10.00%
2E14501-CCV7	Calcium	50000	51250	103	ug/L	+/- 10.00%
	Lead	1000	979.4	97.9	ug/L	+/- 10.00%
	Magnesium	50000	47370	94.7	ug/L	+/- 10.00%
	Potassium	10000	10380	104	ug/L	+/- 10.00%
	Sodium	50000	52000	104	ug/L	+/- 10.00%
2E14501-CCV8	Calcium	50000	50580	101	ug/L	+/- 10.00%
	Lead	1000	977.9	97.8	ug/L	+/- 10.00%
	Magnesium	50000	47400	94.8	ug/L	+/- 10.00%
	Potassium	10000	10120	101	ug/L	+/- 10.00%
	Sodium	50000	51440	103	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2132004

Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E13208-CRL1	Calcium	2000	2118	106	ug/L	80 - 120
	Iron (dissolved)	60.00	66.89	111	ug/L	80 - 120
	Magnesium	3000	3081	103	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.295	105	ug/L	80 - 120
	Potassium	3000	2901	96.7	ug/L	80 - 120
	Sodium	3000	3086	103	ug/L	80 - 120
2E13208-CRL2	Lead	3.000	2.853	95.1	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2136001

Sequence: 2E13605

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E13605-CRL1	Calcium	2000	2080	104	ug/L	80 - 120
	Lead	3.000	2.583	86.1	ug/L	80 - 120
	Magnesium	3000	3050	102	ug/L	80 - 120
	Potassium	3000	2910	97.0	ug/L	80 - 120
	Sodium	3000	3028	101	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2145001

Sequence: 2E14501

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E14501-CRL1	Calcium	2000	2135	107	ug/L	80 - 120
	Lead	3.000	2.989	99.6	ug/L	80 - 120
	Magnesium	3000	3074	102	ug/L	80 - 120
	Potassium	3000	2849	95.0	ug/L	80 - 120
	Sodium	3000	3063	102	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13208
Calibration: 2132004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13208-ICB1	Calcium	0.5500	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.6470	30.0	100	ug/L	U	SW6010B
	Lead	-0.5216	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.240	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.003740	3.00	15.0	ug/L	U	SW6010B
	Potassium	6.750	1000	5000	ug/L	U	SW6010B
	Sodium	16.67	1000	5000	ug/L	U	SW6010B
2E13208-CCB1	Calcium	2.44	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.45	30.0	100	ug/L	U	SW6010B
	Lead	-0.911	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.81	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0482	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.58	1000	5000	ug/L	U	SW6010B
	Sodium	14.6	1000	5000	ug/L	U	SW6010B
2E13208-CCB3	Calcium	1.87	1000	5000	ug/L	U	SW6010B
	Lead	-0.423	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.490	1000	5000	ug/L	U	SW6010B
	Potassium	-9.93	1000	5000	ug/L	U	SW6010B
	Sodium	22.7	1000	5000	ug/L	U	SW6010B
2E08002-BLK1	Calcium	14.6	1000	5000	ug/L	U	SW6010B
	Lead	0.865	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.08	1000	5000	ug/L	U	SW6010B
	Potassium	7.87	1000	5000	ug/L	U	SW6010B
	Sodium	17.6	1000	5000	ug/L	U	SW6010B
2E13208-CCB4	Calcium	10.4	1000	5000	ug/L	U	SW6010B
	Lead	-0.657	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.62	1000	5000	ug/L	U	SW6010B
	Potassium	23.8	1000	5000	ug/L	U	SW6010B
	Sodium	24.9	1000	5000	ug/L	U	SW6010B
2E13208-CCB5	Calcium	9.02	1000	5000	ug/L	U	SW6010B
	Lead	-0.149	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.73	1000	5000	ug/L	U	SW6010B
	Potassium	4.73	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13208
Calibration: 2132004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13208-CCB5	Sodium	16.4	1000	5000	ug/L	U	SW6010B
2E13208-CCB7	Iron (dissolved)	3.07	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0633	3.00	15.0	ug/L	U	SW6010B
2E07014-BLK1	Iron (dissolved)	1.55	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0617	3.00	15.0	ug/L	U	SW6010B
2E13208-CCB8	Iron (dissolved)	0.597	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.172	3.00	15.0	ug/L	U	SW6010B
2E13208-CCB9	Iron (dissolved)	2.94	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0876	3.00	15.0	ug/L	U	SW6010B
2E07015-BLK1	Iron (dissolved)	0.322	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.000340	3.00	15.0	ug/L	U	SW6010B
2E13208-CCBA	Iron (dissolved)	0.492	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0650	3.00	15.0	ug/L	U	SW6010B
2E13208-CCBB	Iron (dissolved)	-0.685	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.146	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13605
Calibration: 2136001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13605-ICB1	Calcium	-2.300	1000	5000	ug/L	U	SW6010B
	Lead	0.1435	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.810	1000	5000	ug/L	U	SW6010B
	Potassium	12.74	1000	5000	ug/L	U	SW6010B
	Sodium	6.810	1000	5000	ug/L	U	SW6010B
2E13605-CCB1	Calcium	-1.91	1000	5000	ug/L	U	SW6010B
	Lead	-0.186	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.550	1000	5000	ug/L	U	SW6010B
	Potassium	8.90	1000	5000	ug/L	U	SW6010B
	Sodium	12.2	1000	5000	ug/L	U	SW6010B
2E13605-CCB2	Calcium	20.9	1000	5000	ug/L	U	SW6010B
	Lead	0.141	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.2	1000	5000	ug/L	U	SW6010B
	Potassium	24.8	1000	5000	ug/L	U	SW6010B
	Sodium	29.4	1000	5000	ug/L	U	SW6010B
2E14022-BLK1	Calcium	112	1000	5000	ug/L	U	SW6010B
	Lead	0.614	1.50	3.00	ug/L	U	SW6010B
	Magnesium	14.0	1000	5000	ug/L	U	SW6010B
	Potassium	40.5	1000	5000	ug/L	U	SW6010B
	Sodium	28.0	1000	5000	ug/L	U	SW6010B
2E13605-CCB3	Calcium	2.57	1000	5000	ug/L	U	SW6010B
	Lead	0.0447	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.0600	1000	5000	ug/L	U	SW6010B
	Potassium	40.0	1000	5000	ug/L	U	SW6010B
	Sodium	49.7	1000	5000	ug/L	U	SW6010B
2E13605-CCB4	Calcium	4.53	1000	5000	ug/L	U	SW6010B
	Lead	-0.0761	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.00	1000	5000	ug/L	U	SW6010B
	Potassium	58.0	1000	5000	ug/L	U	SW6010B
	Sodium	24.3	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E14501
Calibration: 2145001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14501-ICB1	Calcium	4.100	1000	5000	ug/L	U	SW6010B
	Lead	0.5598	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.620	1000	5000	ug/L	U	SW6010B
	Potassium	11.35	1000	5000	ug/L	U	SW6010B
	Sodium	3.100	1000	5000	ug/L	U	SW6010B
2E14501-CCB1	Calcium	1.93	1000	5000	ug/L	U	SW6010B
	Lead	-0.384	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.800	1000	5000	ug/L	U	SW6010B
	Potassium	11.8	1000	5000	ug/L	U	SW6010B
	Sodium	0.350	1000	5000	ug/L	U	SW6010B
2E14501-CCB7	Calcium	25.2	1000	5000	ug/L	U	SW6010B
	Lead	1.34	1.50	3.00	ug/L	U	SW6010B
	Magnesium	16.3	1000	5000	ug/L	U	SW6010B
	Potassium	59.2	1000	5000	ug/L	U	SW6010B
	Sodium	16.7	1000	5000	ug/L	U	SW6010B
2E16024-BLK1	Calcium	16.6	1000	5000	ug/L	U	SW6010B
	Lead	0.893	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.62	1000	5000	ug/L	U	SW6010B
	Potassium	57.5	1000	5000	ug/L	U	SW6010B
	Sodium	-11.0	1000	5000	ug/L	U	SW6010B
2E14501-CCB8	Calcium	2.04	1000	5000	ug/L	U	SW6010B
	Lead	0.933	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.820	1000	5000	ug/L	U	SW6010B
	Potassium	67.6	1000	5000	ug/L	U	SW6010B
	Sodium	-5.73	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2132004
Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units
2E13208-IFA1	Calcium	500000	485,170.00	97.0	ug/L
	Iron (dissolved)	200000	208,780.00	104	ug/L
	Lead		-0.77		ug/L
	Magnesium	500000	494,030.00	98.8	ug/L
	Manganese (dissolved)		-4.90		ug/L
	Potassium		-110.24		ug/L
	Sodium		70.29		ug/L
2E13208-IFB1	Calcium	500000	473,370.00	94.7	ug/L
	Iron (dissolved)	200000	203,330.00	102	ug/L
	Lead	50.00	44.54	89.1	ug/L
	Magnesium	500000	491,930.00	98.4	ug/L
	Manganese (dissolved)	500.0	461.37	92.3	ug/L
	Potassium		-128.51		ug/L
	Sodium		79.89		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2136001
Sequence: 2E13605

Lab Sample ID	Analyte	True	Found	%R	Units
2E13605-IFA1	Calcium	500000	475,760.00	95.2	ug/L
	Lead		3.20		ug/L
	Magnesium	500000	482,190.00	96.4	ug/L
	Potassium		-53.02		ug/L
	Sodium		54.50		ug/L
2E13605-IFB1	Calcium	500000	476,610.00	95.3	ug/L
	Lead	50.00	51.31	103	ug/L
	Magnesium	500000	485,920.00	97.2	ug/L
	Potassium		-67.90		ug/L
	Sodium		65.55		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2145001
Sequence: 2E14501

Lab Sample ID	Analyte	True	Found	%R	Units
2E14501-IFA1	Calcium	500000	495,620.00	99.1	ug/L
	Lead		1.24		ug/L
	Magnesium	500000	483,830.00	96.8	ug/L
	Potassium		37.67		ug/L
	Sodium		44.46		ug/L
2E14501-IFB1	Calcium	500000	488,080.00	97.6	ug/L
	Lead	50.00	47.27	94.5	ug/L
	Magnesium	500000	474,520.00	94.9	ug/L
	Potassium		14.77		ug/L
	Sodium		45.96		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07014

% Solids:

Source Sample Name: **1205021-04**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1082	108		80 - 120
Manganese (dissolved)	500.0	ND	529.4	106		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	997.2	99.7	8.20		20	80 - 120
Manganese (dissolved)	500.0	512.0	102	3.33		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07015

% Solids:

Source Sample Name: **1205028-14**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	986.2	98.6		80 - 120
Manganese (dissolved)	500.0	ND	468.4	93.7		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	991.0	99.1	0.485		20	80 - 120
Manganese (dissolved)	500.0	472.2	94.4	0.799		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08002

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	65340	71460	122	4x	80 - 120
Lead	250.0	ND	252.2	101		80 - 120
Magnesium	5000	8487	13250	95.3		80 - 120
Potassium	5000	2806	8090	106		80 - 120
Sodium	5000	31140	36880	115		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	71970	133	0.706	4x	20	80 - 120
Lead	250.0	247.8	99.1	1.72		20	80 - 120
Magnesium	5000	13170	93.7	0.606		20	80 - 120
Potassium	5000	7967	103	1.53		20	80 - 120
Sodium	5000	36980	117	0.263		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E14022

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	31930	37300	108		80 - 120
Lead	250.0	ND	265.1	106		80 - 120
Magnesium	5000	4469	9387	98.4		80 - 120
Potassium	5000	1929	6520	91.8		80 - 120
Sodium	5000	21380	26620	105		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	35800	77.5	4.10	4x	20	80 - 120
Lead	250.0	263.7	105	0.522		20	80 - 120
Magnesium	5000	9113	92.9	2.96		20	80 - 120
Potassium	5000	6494	91.3	0.395		20	80 - 120
Sodium	5000	25660	85.6	3.70		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0538

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2E08002-PS1
Batch: 2E08002
Lab Source ID: 1205021-03
Preparation: MET_3005A
Initial/Final: 50 mL / 50 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	**73070**	**65340**	**5000**	**155**	**80 - 120**
Lead	249.8	ND	250.0	100	80 - 120
Magnesium	13430	8487	5000	98.8	80 - 120
Potassium	8025	2806	5000	104	80 - 120
Sodium	**37460**	**31140**	**5000**	**127**	**80 - 120**

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0581

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2E14022-PS1
Batch: 2E14022
Lab Source ID: 1205028-13
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	37280	31930	5000	107	80 - 120
Lead	261.5	ND	250.0	105	80 - 120
Magnesium	9339	4469	5000	97.4	80 - 120
Potassium	6666	1929	5000	94.7	80 - 120
Sodium	26660	21380	5000	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07014	Laboratory ID:	2E07014-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	1159	116	80 - 120
Manganese (dissolved)	500.0	552.6	111	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07015	Laboratory ID:	2E07015-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	1045	105	80 - 120
Manganese (dissolved)	500.0	535.2	107	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08002	Laboratory ID:	2E08002-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	5223	104	80 - 120
Lead	250.0	241.5	96.6	80 - 120
Magnesium	5000	4989	99.8	80 - 120
Potassium	5000	4630	92.6	80 - 120
Sodium	5000	5036	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14022	Laboratory ID:	2E14022-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	5257	105	80 - 120
Lead	250.0	289.9	116	80 - 120
Magnesium	5000	5207	104	80 - 120
Potassium	5000	4594	91.9	80 - 120
Sodium	5000	5030	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E16024	Laboratory ID:	2E16024-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	5365	107	80 - 120
Lead	250.0	252.8	101	80 - 120
Magnesium	5000	4875	97.5	80 - 120
Potassium	5000	5040	101	80 - 120
Sodium	5000	5189	104	80 - 120

SERIAL DILUTION

SW6010B

GW0538

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E13208
Preparation: MET_3005A

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E07014-DUP1
Lab Source ID: 1205021-04
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0581

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E13208
Preparation: MET_3005A

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E07015-DUP1
Lab Source ID: 1205028-14
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0538

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E13208
Preparation: MET_3005A

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E08002-DUP1
Lab Source ID: 1205021-03
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	65342	70030	7.17		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	8487.2	8981	5.82		SW6010B	10.00
Potassium	2805.8	ND			SW6010B	10.00
Sodium	31135	32503	4.39		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0581

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E13605
Preparation: MET_3005A

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E14022-DUP1
Lab Source ID: 1205028-13
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	31926	32591	2.08		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	4469.1	ND			SW6010B	10.00
Potassium	1929.4	ND			SW6010B	10.00
Sodium	21377	21599	1.04		SW6010B	10.00

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_052

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_052

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_052

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_052

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_052

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_052

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_052

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 12/30/2011

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E07014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-02	05/07/12 14:24	50.00	50.00
GW0553	1205009-04	05/07/12 14:24	50.00	50.00
GW0554	1205009-06	05/07/12 14:24	50.00	50.00
GW0602	1205009-08	05/07/12 14:24	50.00	50.00
GW0617	1205009-10	05/07/12 14:24	50.00	50.00
GW0538	1205021-04	05/07/12 14:24	50.00	50.00
Blank	2E07014-BLK1	05/07/12 14:24	50.00	50.00
LCS	2E07014-BS1	05/07/12 14:24	50.00	50.00
GW0538	2E07014-DUP1	05/07/12 14:24	50.00	50.00
GW0538	2E07014-MS1	05/07/12 14:24	50.00	50.00
GW0538	2E07014-MSD1	05/07/12 14:24	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E07015 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0618	1205009-12	05/07/12 14:47	50.00	50.00
GW0525	1205021-02	05/07/12 14:47	50.00	50.00
GW0539	1205021-06	05/07/12 14:47	50.00	50.00
GW0561	1205021-08	05/07/12 14:47	50.00	50.00
GW0601	1205021-10	05/07/12 14:47	50.00	50.00
GW0507	1205028-02	05/07/12 14:47	50.00	50.00
GW0524	1205028-04	05/07/12 14:47	50.00	50.00
GW0537	1205028-06	05/07/12 14:47	50.00	50.00
GW0555	1205028-08	05/07/12 14:47	50.00	50.00
GW0556	1205028-10	05/07/12 14:47	50.00	50.00
GW0580	1205028-12	05/07/12 14:47	50.00	50.00
GW0581	1205028-14	05/07/12 14:47	50.00	50.00
GW0582	1205028-16	05/07/12 14:47	50.00	50.00
GW0616	1205028-18	05/07/12 14:47	50.00	50.00
Blank	2E07015-BLK1	05/07/12 14:47	50.00	50.00
LCS	2E07015-BS1	05/07/12 14:47	50.00	50.00
GW0581	2E07015-DUP1	05/07/12 14:47	50.00	50.00
GW0581	2E07015-MS1	05/07/12 14:47	50.00	50.00
GW0581	2E07015-MSD1	05/07/12 14:47	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E08002 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/08/12 08:36	50.00	50.00
GW0553	1205009-03	05/08/12 08:36	50.00	50.00
GW0554	1205009-05	05/08/12 08:36	50.00	50.00
GW0602	1205009-07	05/08/12 08:36	50.00	50.00
GW0617	1205009-09	05/08/12 08:36	50.00	50.00
GW0618	1205009-11	05/08/12 08:36	50.00	50.00
GW0525	1205021-01	05/08/12 08:36	50.00	50.00
GW0538	1205021-03	05/08/12 08:36	50.00	50.00
Blank	2E08002-BLK1	05/08/12 08:36	50.00	50.00
LCS	2E08002-BS1	05/08/12 08:36	50.00	50.00
GW0538	2E08002-DUP1	05/08/12 08:36	50.00	50.00
GW0538	2E08002-MS1	05/08/12 08:36	50.00	50.00
GW0538	2E08002-MSD1	05/08/12 08:36	50.00	50.00
GW0538	2E08002-PS1	05/08/12 08:36	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E14022 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0539	1205021-05	05/14/12 11:33	50.00	50.00
GW0561	1205021-07	05/14/12 11:33	50.00	50.00
GW0601	1205021-09	05/14/12 11:33	50.00	50.00
GW0507	1205028-01	05/14/12 11:33	50.00	50.00
GW0524	1205028-03	05/14/12 11:33	50.00	50.00
GW0537	1205028-05	05/14/12 11:33	50.00	50.00
GW0555	1205028-07	05/14/12 11:33	50.00	50.00
GW0556	1205028-09	05/14/12 11:33	50.00	50.00
GW0580	1205028-11	05/14/12 11:33	50.00	50.00
GW0581	1205028-13	05/14/12 11:33	50.00	50.00
GW0582	1205028-15	05/14/12 11:33	50.00	50.00
Blank	2E14022-BLK1	05/14/12 11:33	50.00	50.00
LCS	2E14022-BS1	05/14/12 11:33	50.00	50.00
GW0581	2E14022-DUP1	05/14/12 11:33	50.00	50.00
GW0581	2E14022-MS1	05/14/12 11:33	50.00	50.00
GW0581	2E14022-MSD1	05/14/12 11:33	50.00	50.00
GW0581	2E14022-PS1	05/14/12 11:33	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E16024 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0616	1205028-17	05/16/12 15:57	50.00	50.00
Blank	2E16024-BLK1	05/16/12 15:57	50.00	50.00
LCS	2E16024-BS1	05/16/12 15:57	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13208	Instrument:	ME-ICP
Calibration:	2132004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13208-CAL1	051112A-001	05/11/12 08:29
Cal Standard	2E13208-CAL1	051112A-001	05/11/12 08:29
Cal Standard	2E13208-CAL2	051112A-002	05/11/12 08:34
Cal Standard	2E13208-CAL2	051112A-002	05/11/12 08:34
Cal Standard	2E13208-CAL3	051112A-003	05/11/12 08:38
Cal Standard	2E13208-CAL3	051112A-003	05/11/12 08:38
Cal Standard	2E13208-CAL4	051112A-004	05/11/12 08:42
Cal Standard	2E13208-CAL5	051112A-005	05/11/12 08:48
Cal Standard	2E13208-CAL5	051112A-005	05/11/12 08:48
Cal Standard	2E13208-CAL6	051112A-006	05/11/12 08:53
Cal Standard	2E13208-CAL6	051112A-006	05/11/12 08:53
Cal Standard	2E13208-CAL7	051112A-007	05/11/12 08:59
Cal Standard	2E13208-CAL8	051112A-008	05/11/12 09:03
Initial Cal Check	2E13208-ICV1	051112B-001	05/11/12 09:36
Initial Cal Check	2E13208-ICV1	051112B-001	05/11/12 09:36
Initial Cal Blank	2E13208-ICB1	051112B-002	05/11/12 09:44
Initial Cal Blank	2E13208-ICB1	051112B-002	05/11/12 09:44
Instrument RL Check	2E13208-CRL1	051112B-003	05/11/12 09:48
Instrument RL Check	2E13208-CRL1	051112B-003	05/11/12 09:48
Instrument RL Check	2E13208-CRL2	051112B-004	05/11/12 09:53
Interference Check A	2E13208-IFA1	051112B-005	05/11/12 09:57
Interference Check A	2E13208-IFA1	051112B-005	05/11/12 09:57
Interference Check B	2E13208-IFB1	051112B-006	05/11/12 10:04
Interference Check B	2E13208-IFB1	051112B-006	05/11/12 10:04
Calibration Check	2E13208-CCV1	051112B-008	05/11/12 10:14
Calibration Check	2E13208-CCV1	051112B-008	05/11/12 10:14
Calibration Blank	2E13208-CCB1	051112B-009	05/11/12 10:22
Calibration Blank	2E13208-CCB1	051112B-009	05/11/12 10:22
Calibration Check	2E13208-CCV3	051112C-001	05/11/12 11:07
Calibration Blank	2E13208-CCB3	051112D-001	05/11/12 11:18
Blank	2E08002-BLK1	051112D-002	05/11/12 11:23
LCS	2E08002-BS1	051112D-003	05/11/12 11:27

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13208	Instrument:	ME-ICP
Calibration:	2132004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13208-CCV4	051112D-016	05/11/12 12:28
Calibration Blank	2E13208-CCB4	051112D-017	05/11/12 12:35
GW0526	1205009-01	051112D-020	05/11/12 12:49
GW0553	1205009-03	051112D-021	05/11/12 12:53
GW0554	1205009-05	051112D-022	05/11/12 12:58
GW0602	1205009-07	051112D-023	05/11/12 13:02
GW0617	1205009-09	051112D-024	05/11/12 13:07
GW0618	1205009-11	051112D-025	05/11/12 13:11
GW0525	1205021-01	051112D-026	05/11/12 13:16
GW0538	1205021-03	051112D-027	05/11/12 13:20
GW0538	2E08002-MS1	051112D-028	05/11/12 13:25
GW0538	2E08002-MSD1	051112D-029	05/11/12 13:29
GW0538	2E08002-PS1	051112D-030	05/11/12 13:33
GW0538	2E08002-DUP1	051112D-031	05/11/12 13:38
Calibration Check	2E13208-CCV5	051112D-032	05/11/12 13:44
Calibration Blank	2E13208-CCB5	051112D-033	05/11/12 13:51
Calibration Check	2E13208-CCV7	051112D-054	05/11/12 15:38
Calibration Blank	2E13208-CCB7	051112D-055	05/11/12 15:45
Blank	2E07014-BLK1	051112E-001	05/11/12 16:00
LCS	2E07014-BS1	051112E-002	05/11/12 16:05
Calibration Check	2E13208-CCV8	051112E-013	05/11/12 16:57
Calibration Blank	2E13208-CCB8	051112E-014	05/11/12 17:04
GW0526	1205009-02	051112E-016	05/11/12 17:13
GW0553	1205009-04	051112E-017	05/11/12 17:17
GW0554	1205009-06	051112E-018	05/11/12 17:22
GW0602	1205009-08	051112E-019	05/11/12 17:27
GW0617	1205009-10	051112E-020	05/11/12 17:31
GW0538	1205021-04	051112E-021	05/11/12 17:35
GW0538	2E07014-MS1	051112E-022	05/11/12 17:40
GW0538	2E07014-MSD1	051112E-023	05/11/12 17:44
GW0538	2E07014-DUP1	051112E-024	05/11/12 17:49
Calibration Check	2E13208-CCV9	051112E-025	05/11/12 17:55

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13208	Instrument:	ME-ICP
Calibration:	2132004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2E13208-CCB9	051112E-026	05/11/12 18:02
Blank	2E07015-BLK1	051112E-027	05/11/12 18:07
LCS	2E07015-BS1	051112E-028	05/11/12 18:11
GW0618	1205009-12	051112E-029	05/11/12 18:18
GW0525	1205021-02	051112E-030	05/11/12 18:22
GW0539	1205021-06	051112E-031	05/11/12 18:27
GW0561	1205021-08	051112E-032	05/11/12 18:31
GW0601	1205021-10	051112E-033	05/11/12 18:36
GW0507	1205028-02	051112E-034	05/11/12 18:40
GW0524	1205028-04	051112E-035	05/11/12 18:44
GW0537	1205028-06	051112E-036	05/11/12 18:49
GW0555	1205028-08	051112E-037	05/11/12 18:53
GW0556	1205028-10	051112E-038	05/11/12 18:58
Calibration Check	2E13208-CCVA	051112E-039	05/11/12 19:03
Calibration Blank	2E13208-CCBA	051112E-040	05/11/12 19:11
GW0580	1205028-12	051112E-041	05/11/12 19:15
GW0581	1205028-14	051112E-042	05/11/12 19:20
GW0581	2E07015-MS1	051112E-043	05/11/12 19:24
GW0581	2E07015-MSD1	051112E-044	05/11/12 19:29
GW0581	2E07015-DUP1	051112E-045	05/11/12 19:34
GW0582	1205028-16	051112E-046	05/11/12 19:38
GW0616	1205028-18	051112E-047	05/11/12 19:43
Calibration Check	2E13208-CCVB	051112E-048	05/11/12 19:48
Calibration Blank	2E13208-CCBB	051112E-049	05/11/12 19:56

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13605	Instrument:	ME-ICP
Calibration:	2136001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13605-CAL1	051512A-001	05/15/12 08:33
Cal Standard	2E13605-CAL2	051512A-002	05/15/12 08:37
Cal Standard	2E13605-CAL3	051512A-003	05/15/12 08:41
Cal Standard	2E13605-CAL5	051512A-005	05/15/12 08:50
Cal Standard	2E13605-CAL6	051512A-006	05/15/12 08:55
Cal Standard	2E13605-CAL7	051512A-007	05/15/12 09:01
Cal Standard	2E13605-CAL8	051512A-008	05/15/12 09:05
Initial Cal Check	2E13605-ICV1	051512B-001	05/15/12 09:36
Initial Cal Blank	2E13605-ICB1	051512B-002	05/15/12 09:44
Instrument RL Check	2E13605-CRL1	051512B-003	05/15/12 09:48
Interference Check A	2E13605-IFA1	051512B-005	05/15/12 09:58
Interference Check B	2E13605-IFB1	051512B-006	05/15/12 10:02
Calibration Check	2E13605-CCV1	051512B-008	05/15/12 10:13
Calibration Blank	2E13605-CCB1	051512B-009	05/15/12 10:21
Calibration Check	2E13605-CCV2	051512B-015	05/15/12 10:51
Calibration Blank	2E13605-CCB2	051512B-016	05/15/12 10:58
Blank	2E14022-BLK1	051512C-001	05/15/12 11:05
LCS	2E14022-BS1	051512C-002	05/15/12 11:09
GW0539	1205021-05	051512C-009	05/15/12 11:43
GW0561	1205021-07	051512C-010	05/15/12 11:48
GW0601	1205021-09	051512C-011	05/15/12 11:52
Calibration Check	2E13605-CCV3	051512C-013	05/15/12 12:02
Calibration Blank	2E13605-CCB3	051512C-014	05/15/12 12:09
GW0507	1205028-01	051512C-015	05/15/12 12:14
GW0524	1205028-03	051512C-016	05/15/12 12:18
GW0537	1205028-05	051512C-017	05/15/12 12:23
GW0555	1205028-07	051512C-018	05/15/12 12:27
GW0556	1205028-09	051512C-019	05/15/12 12:32
GW0580	1205028-11	051512C-020	05/15/12 12:36
GW0581	1205028-13	051512C-021	05/15/12 12:41
GW0581	2E14022-MS1	051512C-022	05/15/12 12:45
GW0581	2E14022-MSD1	051512C-023	05/15/12 12:49

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13605	Instrument:	ME-ICP
Calibration:	2136001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0581	2E14022-PS1	051512C-024	05/15/12 12:54
GW0581	2E14022-DUP1	051512C-025	05/15/12 12:59
GW0582	1205028-15	051512C-026	05/15/12 13:03
Calibration Check	2E13605-CCV4	051512C-029	05/15/12 13:18
Calibration Blank	2E13605-CCB4	051512C-030	05/15/12 13:25

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14501	Instrument:	ME-ICP
Calibration:	2145001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14501-CAL1	051712A-001	05/17/12 09:40
Cal Standard	2E14501-CAL2	051712A-002	05/17/12 09:45
Cal Standard	2E14501-CAL5	051712A-005	05/17/12 09:58
Cal Standard	2E14501-CAL6	051712A-006	05/17/12 10:04
Cal Standard	2E14501-CAL7	051712A-007	05/17/12 10:10
Cal Standard	2E14501-CAL8	051712A-008	05/17/12 10:15
Cal Standard	2E14501-CAL3	051712A-009	05/17/12 10:22
Initial Cal Check	2E14501-ICV1	051712B-001	05/17/12 11:03
Initial Cal Blank	2E14501-ICB1	051712B-002	05/17/12 11:10
Instrument RL Check	2E14501-CRL1	051712B-003	05/17/12 11:15
Interference Check A	2E14501-IFA1	051712B-012	05/17/12 12:03
Interference Check B	2E14501-IFB1	051712B-013	05/17/12 12:08
Calibration Check	2E14501-CCV1	051712B-015	05/17/12 12:19
Calibration Blank	2E14501-CCB1	051712B-016	05/17/12 12:26
Calibration Check	2E14501-CCV7	051712D-044	05/17/12 19:53
Calibration Blank	2E14501-CCB7	051712D-045	05/17/12 20:00
Blank	2E16024-BLK1	051712D-046	05/17/12 20:05
LCS	2E16024-BS1	051712D-047	05/17/12 20:10
GW0616	1205028-17	051712D-048	05/17/12 20:16
Calibration Check	2E14501-CCV8	051712D-058	05/17/12 21:02
Calibration Blank	2E14501-CCB8	051712D-059	05/17/12 21:10

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.1174E-05	10000	2.1329E-05			500000	2.051E-05		
Antimony	0	0	100	0.000556	1000	6.0829E-04					10000	0.0005877
Arsenic	0	0	100	0.0002901	1000	3.2623E-04					10000	0.0003127
Barium	0	0	50	0.0105004	1000	0.010273	5000	0.010161				
Beryllium	0	0	100	0.0021615	1000	0.0021819					10000	0.0021287
Boron	0	0	50	0.0000152	1000	1.629E-05					5000	1.5898E-05
Cadmium	0	0	100	0.016094	1000	0.016804					10000	0.015854
Calcium	0	0	1100	6.040909E-05	50000	5.8074E-05					10000	
Chromium	0	0	100	0.0000407	1000	4.141E-05					10000	4.1048E-05
Cobalt	0	0	100	0.004504	1000	0.0045975					10000	0.0046621
Copper	0	0	100	7.189999E-05	1000	6.776E-05					10000	6.8128E-05
Iron	0	0	5100	1.593726E-05	10000	1.5312E-05			500000	1.53688E-05	10000	
Lead	0	0	100	0.0010982	1000	0.0011095					10000	0.0011373
Magnesium	0	0	5100		50000	1.8434E-06			500000	1.84662E-06	10000	
Manganese	0	0	100	0.0002648	1000	2.6507E-04	10000	2.6466E-04			10000	
Molybdenum	0	0	100	0.0033348	1000	0.0035305					10000	0.0034557
Nickel	0	0	100	0.0031373	1000	0.0031753					10000	0.0031236
Potassium	0	0	1000	1.164E-05	10000	1.3607E-05						
Selenium	0	0	100	0.0003424	1000	0.0003489					10000	3.3878E-04
Silver	0	0	20	0.0000515	500	4.888E-05	2000	5.0915E-05				
Sodium	0	0	1000		50000	5.6688E-05						
Strontium	0	0	100	0.00154	1000	0.001538					10000	0.001551
Thallium	0	0	100	0.0007386	1000	7.4009E-04					10000	7.3493E-04
Tin	0	0	50	0.0011524	1000	0.0012081					5000	1.19444E-03
Titanium	0	0	100	0.0001845	1000	1.8746E-04					10000	1.9426E-04
Vanadium	0	0	100	0.0000401	1000	4.073E-05					10000	3.9864E-05
Zinc	0	0	100	0.0064659	1000	0.0067268					10000	0.0065238
Aluminum	0	0	5000	2.1174E-05	10000	2.1329E-05			500000	2.051E-05		
Antimony	0	0	100	0.000556	1000	6.0829E-04					10000	0.0005877
Arsenic	0	0	100	0.0002901	1000	3.2623E-04					10000	0.0003127
Barium	0	0	50	0.0105004	1000	0.010273	5000	0.010161				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0021615	1000	0.0021819					10000	0.0021287
Boron	0	0	50	0.0000152	1000	1.629E-05					5000	1.5898E-05
Cadmium	0	0	100	0.016094	1000	0.016804					10000	0.015854
Calcium	0	0	1100	6.040909E-05	50000	5.8074E-05					10000	
Chromium	0	0	100	0.0000407	1000	4.141E-05					10000	4.1048E-05
Cobalt	0	0	100	0.004504	1000	0.0045975					10000	0.0046621
Copper	0	0	100	7.189999E-05	1000	6.776E-05					10000	6.8128E-05
Iron	0	0	5100	1.593726E-05	10000	1.5312E-05			500000	1.53688E-05	10000	
Lead	0	0	100	0.0010982	1000	0.0011095					10000	0.0011373
Magnesium	0	0	5100		50000	1.8434E-06			500000	1.84662E-06	10000	
Manganese	0	0	100	0.0002648	1000	2.6507E-04	10000	2.6466E-04			10000	
Molybdenum	0	0	100	0.0033348	1000	0.0035305					10000	0.0034557
Nickel	0	0	100	0.0031373	1000	0.0031753					10000	0.0031236
Potassium	0	0	1000	1.164E-05	10000	1.3607E-05						
Selenium	0	0	100	0.0003424	1000	0.0003489					10000	3.3878E-04
Silver	0	0	20	0.0000515	500	4.888E-05	2000	5.0915E-05				
Sodium	0	0	1000		50000	5.6688E-05						
Strontium	0	0	100	0.00154	1000	0.001538					10000	0.001551
Thallium	0	0	100	0.0007386	1000	7.4009E-04					10000	7.3493E-04
Tin	0	0	50	0.0011524	1000	0.0012081					5000	1.19444E-03
Titanium	0	0	100	0.0001845	1000	1.8746E-04					10000	1.9426E-04
Vanadium	0	0	100	0.0000401	1000	4.073E-05					10000	3.9864E-05
Zinc	0	0	100	0.0064659	1000	0.0067268					10000	0.0065238

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	0.0000579								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8873E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3824E-05										
Selenium												
Silver												
Sodium	100000	5.6729E-05	500000	5.4822E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	0.0000579								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8873E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3824E-05										
Selenium												
Silver												
Sodium	100000	5.6729E-05	500000	5.4822E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2132004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/11/12 8:29	5/11/12 9:03

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.575325E-05	66.70479	17.99556	196.1523	0.9999995		0.998	
Antimony	4.379975E-04	66.84726	1.02858	140.0701	0.9999841		0.998	
Arsenic	2.322575E-04	66.97479	8.930315	175.7281	0.9999763		0.998	
Barium	0.0077336	66.69166	3.337983	179.2052	0.9999955		0.998	
Beryllium	1.618025E-03	66.68042	2.69012	171.5861	0.9999941		0.998	
Boron	1.1847E-05	66.77517	2.341015	123.0043	0.9999723		0.998	
Cadmium	0.012188	66.74876	3.732195	174.2595	0.9999649		0.998	
Calcium	4.409577E-05	66.71713	1.70111	173.095	0.9999999		0.998	
Chromium	3.07895E-05	66.67331	16.88157	193.1075	0.9999991		0.998	
Cobalt	0.0034409	66.69334	4.721312	180.1674	0.9999983		0.998	
Copper	5.1947E-05	66.76388	0.9765925	51.80132	0.9999987		0.998	
Iron	1.165451E-05	66.71068	12.29166	193.369	0.9999998		0.998	
Lead	8.3625E-04	66.69561	11.55229	188.8957	0.9999944		0.998	
Magnesium	1.39433E-06	66.68207	46.83674	198.2395	0.9999768		0.998	
Manganese	1.986325E-04	66.66672	1.821665	135.4487	1		0.998	
Molybdenum	2.58025E-03	66.73986	154.8794	199.5577	0.9999945		0.998	
Nickel	2.35905E-03	66.67311	11.08359	194.2065	0.9999973		0.998	
Potassium	9.76775E-06	67.42106	2.079092	166.2737	0.9999997		0.998	
Selenium	2.5752E-04	66.68649	1.436927	77.32934	0.9999927		0.998	
Silver	3.782375E-05	66.73274	4.113597	158.1065	0.9998843		0.998	
Sodium	4.205975E-05	66.7002	4.22191	167.8076	0.9999543		0.998	
Strontium	1.15725E-03	66.66849	4.4224	181.4784	0.9999994		0.998	
Thallium	5.53405E-04	66.66781	4.603863	186.901	0.9999993		0.998	
Tin	8.88735E-04	66.71999	75.39127	198.6161	0.9999935		0.998	
Titanium	1.41555E-04	66.72912	21.58929	196.2758	0.9999887		0.998	
Vanadium	3.01735E-05	66.67767	3.90564	163.9362	0.9999957		0.998	
Zinc	4.929125E-03	66.70529	10.56662	192.5409	0.99999		0.998	
Aluminum	1.575325E-05	66.70479	17.99556	196.1523	0.9999995		0.998	
Antimony	4.379975E-04	66.84726	1.02858	140.0701	0.9999841		0.998	
Arsenic	2.322575E-04	66.97479	8.930315	175.7281	0.9999763		0.998	
Barium	0.0077336	66.69166	3.337983	179.2052	0.9999955		0.998	
Beryllium	1.618025E-03	66.68042	2.69012	171.5861	0.9999941		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2132004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/11/12 8:29	5/11/12 9:03

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.1847E-05	66.77517	2.341015	123.0043	0.9999723		0.998	
Cadmium	0.012188	66.74876	3.732195	174.2595	0.9999649		0.998	
Calcium	4.409577E-05	66.71713	1.70111	173.095	0.9999999		0.998	
Chromium	3.07895E-05	66.67331	16.88157	193.1075	0.9999991		0.998	
Cobalt	0.0034409	66.69334	4.721312	180.1674	0.9999983		0.998	
Copper	5.1947E-05	66.76388	0.9765925	51.80132	0.9999987		0.998	
Iron	1.165451E-05	66.71068	12.29166	193.369	0.9999998		0.998	
Lead	8.3625E-04	66.69561	11.55229	188.8957	0.9999944		0.998	
Magnesium	1.39433E-06	66.68207	46.83674	198.2395	0.9999768		0.998	
Manganese	1.986325E-04	66.66672	1.821665	135.4487	1		0.998	
Molybdenum	2.58025E-03	66.73986	154.8794	199.5577	0.9999945		0.998	
Nickel	2.35905E-03	66.67311	11.08359	194.2065	0.9999973		0.998	
Potassium	9.76775E-06	67.42106	2.079092	166.2737	0.9999997		0.998	
Selenium	2.5752E-04	66.68649	1.436927	77.32934	0.9999927		0.998	
Silver	3.782375E-05	66.73274	4.113597	158.1065	0.9998843		0.998	
Sodium	4.205975E-05	66.7002	4.22191	167.8076	0.9999543		0.998	
Strontium	1.15725E-03	66.66849	4.4224	181.4784	0.9999994		0.998	
Thallium	5.53405E-04	66.66781	4.603863	186.901	0.9999993		0.998	
Tin	8.88735E-04	66.71999	75.39127	198.6161	0.9999935		0.998	
Titanium	1.41555E-04	66.72912	21.58929	196.2758	0.9999887		0.998	
Vanadium	3.01735E-05	66.67767	3.90564	163.9362	0.9999957		0.998	
Zinc	4.929125E-03	66.70529	10.56662	192.5409	0.99999		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2136001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/15/12 8:33 5/15/12 9:05

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	2.2218E-05	10000	2.242E-05			500000	2.2012E-05		
Antimony	0	0	100	0.0006286	1000	6.6075E-04					10000	0.0006539
Arsenic	0	0	100	0.0003165	1000	3.4453E-04					10000	3.3796E-04
Barium	0	0	50	0.0112978	1000	0.010797	5000	0.0107868				
Beryllium	0	0	100	0.0020563	1000	0.0020557					10000	0.0019421
Boron	0	0	50	0.0000136	1000	0.0000149					5000	1.424E-05
Cadmium	0	0	100	0.016221	1000	0.016389					10000	0.015492
Calcium	0	0	1100	5.581818E-05	50000	5.3848E-05					10000	
Chromium	0	0	100	0.0000436	1000	0.0000418					10000	4.1535E-05
Cobalt	0	0	100	0.0049641	1000	0.0048044					10000	0.0049762
Copper	0	0	100	0.0000666	1000	0.0000616					10000	5.9547E-05
Iron	0	0	5100	1.753922E-05	10000	1.668E-05			500000	1.61552E-05	10000	
Lead	0	0	100	0.001266	1000	0.0012024					10000	0.0012609
Magnesium	0	0	5100		50000	1.842E-06			500000	1.84248E-06	10000	
Manganese	0	0	100	0.0002372	1000	2.3403E-04	10000	2.2892E-04			10000	
Molybdenum	0	0	100	0.003488	1000	0.0036149					10000	0.0035573
Nickel	0	0	100	0.0033444	1000	0.0032865					10000	0.0033346
Potassium	0	0	1000	1.209E-05	10000	1.3986E-05						
Selenium	0	0	100	0.0003468	1000	3.3387E-04					10000	3.2037E-04
Silver	0	0	20	0.000053	500	5.082E-05	2000	5.2845E-05				
Sodium	0	0	1000		50000	5.2678E-05						
Strontium	0	0	100	0.001451	1000	0.001448					10000	0.001409
Thallium	0	0	100	0.0007722	1000	7.5805E-04					10000	7.7088E-04
Tin	0	0	50	0.0011872	1000	0.0012244					5000	0.0012132
Titanium	0	0	100	0.0001655	1000	1.6758E-04					10000	0.0001651
Vanadium	0	0	100	0.0000385	1000	3.806E-05					10000	3.7106E-05
Zinc	0	0	100	0.0067258	1000	0.0067981					10000	0.0066906

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2136001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/15/12 8:33 5/15/12 9:05

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	0.0000521								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8694E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3819E-05										
Selenium												
Silver												
Sodium	100000	5.1398E-05	500000	5.0212E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2136001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/15/12 8:33	5/15/12 9:05

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.66625E-05	66.67416	4.388405	166.3346	0.9999999		0.998	
Antimony	4.858125E-04	66.72739	2.663457	149.1123	0.9999981		0.998	
Arsenic	2.497475E-04	66.83871	4.096387	172.9999	0.9999941		0.998	
Barium	0.0082204	66.72978	2.288437	179.7841	0.9999999		0.998	
Beryllium	1.513525E-03	66.76099	6.56192	172.4784	0.9999684		0.998	
Boron	1.0685E-05	66.85146	26.16631	192.7265	0.9999034		0.998	
Cadmium	0.0120255	66.74524	2.266865	177.6572	0.9999687		0.998	
Calcium	4.044154E-05	66.77238	0.9694525	108.325	0.9999893		0.998	
Chromium	3.173375E-05	66.72932	2.763378	169.9052	0.9999997		0.998	
Cobalt	3.686175E-03	66.70049	2.176962	166.294	0.9999878		0.998	
Copper	4.693675E-05	66.96467	1.212625	89.55041	0.9999936		0.998	
Iron	1.25936E-05	66.82042	1.945425	169.4313	0.9999994		0.998	
Lead	9.32325E-04	66.73846	37.61063	196.8057	0.9999781		0.998	
Magnesium	1.38847E-06	66.67305	34.818	199.0008	0.9999901		0.998	
Manganese	1.750375E-04	66.69515	2.999463	156.9093	0.9999956		0.998	
Molybdenum	2.66505E-03	66.69508	21.31245	197.1836	0.999997		0.998	
Nickel	2.491375E-03	66.6744	19.23193	196.9831	0.9999979		0.998	
Potassium	9.97375E-06	67.2183	3.336923	164.7819	0.9999948		0.998	
Selenium	2.5026E-04	66.80596	1.64187	143.8489	0.9999876		0.998	
Silver	3.916625E-05	66.71487	6.174263	172.1695	0.9998967		0.998	
Sodium	3.8572E-05	66.71776	6.387475	171.2909	0.9999703		0.998	
Strontium	0.001077	66.69032	1.972675	147.174	0.9999926		0.998	
Thallium	5.752825E-04	66.6759	7.995125	186.7049	0.9999973		0.998	
Tin	0.0009062	66.68884	0.9767225	138.9577	0.9999955		0.998	
Titanium	1.24545E-04	66.67238	12.86681	192.165	0.9999979		0.998	
Vanadium	2.84165E-05	66.6981	14.95667	185.3994	0.9999942		0.998	
Zinc	5.053625E-03	66.67255	3.035505	178.1384	0.9999975		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2145001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/12 9:40 5/17/12 10:27

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.0852E-05	10000	2.1328E-05			500000	2.0778E-05		
Antimony	0	0	100	0.0006545	1000	7.2441E-04					10000	7.1408E-04
Arsenic	0	0	100	0.000313	1000	0.0003567					10000	3.4687E-04
Barium	0	0	50	0.0114196	1000	0.011372	5000	0.0112284				
Beryllium	0	0	100	0.0019954	1000	0.0020217					10000	0.0019842
Boron	0	0	50	0.0000128	1000	1.346E-05					5000	1.3186E-05
Cadmium	0	0	100	0.015111	1000	0.015792					10000	0.014752
Calcium	0	0	1100	5.034546E-05	50000	4.7552E-05					10000	
Chromium	0	0	100	0.0000365	1000	3.651E-05					10000	3.564E-05
Cobalt	0	0	100	0.0043587	1000	0.00444					10000	0.0044937
Copper	0	0	100	0.0000601	1000	5.339E-05					10000	5.3512E-05
Iron	0	0	5100	1.45902E-05	10000	1.4068E-05			500000	1.35238E-05	10000	
Lead	0	0	100	0.0010246	1000	0.0010164					10000	0.0010379
Magnesium	0	0	5100		50000	1.6304E-06			500000	1.64282E-06	10000	
Manganese	0	0	100	0.0002074	1000	1.9904E-04	10000	1.9476E-04			10000	
Molybdenum	0	0	100	0.003394	1000	0.0036315					10000	0.0035687
Nickel	0	0	100	0.0033682	1000	0.0034813					10000	0.0034737
Potassium	0	0	1000	0.0000109	10000	1.1515E-05						
Selenium	0	0	100	0.0003351	1000	3.4036E-04					10000	3.3172E-04
Silver	0	0	20	0.0000445	500	4.308E-05	2000	4.487E-05				
Sodium	0	0	1000		50000	4.6576E-05						
Strontium	0	0	100	0.001293	1000	0.001341					10000	0.001274
Thallium	0	0	100	0.0007941	1000	7.9402E-04					10000	8.0023E-04
Tin	0	0	50	0.001092	1000	0.0011747					5000	1.15804E-03
Titanium	0	0	100	0.0001496	1000	0.0001466					10000	1.4885E-04
Vanadium	0	0	100	0.0000326	1000	3.373E-05					10000	3.2709E-05
Zinc	0	0	100	0.0060371	1000	0.0063918					10000	0.0061792

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2145001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/17/12 9:40 5/17/12 10:27

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	0.0000453								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6699E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.149E-05										
Selenium												
Silver												
Sodium	100000	4.6129E-05	500000	4.4004E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_052	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2145001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/17/12 9:40	5/17/12 10:27

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.57395E-05	66.68464	7.750585	178.1555	0.9999997		0.998	
Antimony	5.232475E-04	66.92621	3.828108	168.3579	0.999996		0.998	
Arsenic	2.541425E-04	67.0723	3.926167	149.2541	0.9999881		0.998	
Barium	0.008505	66.67352	2.590078	169.273	0.9999934		0.998	
Beryllium	1.500325E-03	66.67489	30.27993	194.8723	0.9999965		0.998	
Boron	9.8615E-06	66.72317	6.721825	184.1477	0.9999805		0.998	
Cadmium	1.141375E-02	66.77368	1.150965	123.0235	0.9999516		0.998	
Calcium	3.579936E-05	66.91545	2.816165	139.8074	0.9999764		0.998	
Chromium	2.71625E-05	66.68357	2.860895	174.3684	0.9999947		0.998	
Cobalt	0.0033231	66.68758	0.85304	100.1209	0.9999987		0.998	
Copper	4.17505E-05	67.08815	0.50175	40.82639	0.9999985		0.998	
Iron	1.05455E-05	66.79438	5.565828	165.4309	0.9999994		0.998	
Lead	7.69725E-04	66.6766	82.60618	198.4952	0.9999959		0.998	
Magnesium	1.23578E-06	66.68002	163.0421	199.2197	0.9999845		0.998	
Manganese	0.0001503	66.75808	4.569673	173.903	0.9999961		0.998	
Molybdenum	2.64855E-03	66.77453	20.53239	194.5438	0.9999959		0.998	
Nickel	0.0025808	66.69666	127.9829	199.2596	0.9999998		0.998	
Potassium	8.47625E-06	66.75093	11.67552	184.996	0.9999996		0.998	
Selenium	2.51795E-04	66.68162	5.9162	163.2241	0.9999946		0.998	
Silver	3.31125E-05	66.70737	21.01075	195.4291	0.9998888		0.998	
Sodium	3.417725E-05	66.74745	1.886472	122.334	0.999909		0.998	
Strontium	0.000977	66.72909	1.661025	98.0229	0.9999724		0.998	
Thallium	5.970875E-04	66.66845	10.27669	188.3155	0.9999995		0.998	
Tin	8.56185E-04	66.79703	1.934737	139.019	0.9999888		0.998	
Titanium	1.112625E-04	66.67651	13.80794	190.8004	0.9999975		0.998	
Vanadium	2.475975E-05	66.69835	9.135573	193.7979	0.9999902		0.998	
Zinc	4.652025E-03	66.74025	5.70248	186.7006	0.9999874		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0526

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-01
Sampled:	04/30/12 16:44	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:32
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E07007	05/07/12 11:57
71-52-3	Alkalinity, Bicarbonate (as CACO3)	124	1.00	1.00	1.00	1		SM2320B	2E08001	05/08/12 07:47
16887-00-6	Chloride	14.5	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 22:20
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:14
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E08001	05/08/12 07:47
14808-79-8	Sulfate as SO4	40.1	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 22:20

ANALYSIS DATA SHEET

GW0553

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-03
Sampled:	04/30/12 11:57	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:33
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E07007	05/07/12 11:58
71-52-3	Alkalinity, Bicarbonate (as CACO3)	76.3	1.00	1.00	1.00	1		SM2320B	2E08001	05/08/12 07:55
16887-00-6	Chloride	104	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 22:38
NA	Nitrate/Nitrite as N	3.83	0.250	0.750	1.50	1		E353.2	2E14012	05/14/12 12:15
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E08001	05/08/12 07:55
14808-79-8	Sulfate as SO4	417	0.660	2.00	4.00	2	D	E300.0	2E08024	05/08/12 20:19

ANALYSIS DATA SHEET

GW0554

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-05
Sampled:	04/30/12 14:50	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:34
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E07007	05/07/12 11:59
71-52-3	Alkalinity, Bicarbonate (as CACO3)	98.3	1.00	1.00	1.00	1		SM2320B	2E08001	05/08/12 08:05
16887-00-6	Chloride	41.5	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 22:55
NA	Nitrate/Nitrite as N	1.14	0.250	0.750	1.50	1	J	E353.2	2E14012	05/14/12 12:16
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E08001	05/08/12 08:05
14808-79-8	Sulfate as SO4	74.2	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 22:55

ANALYSIS DATA SHEET

GW0602

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-07
Sampled:	05/01/12 11:16	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:37
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E07007	05/07/12 12:00
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2E08001	05/08/12 08:11
16887-00-6	Chloride	7.46	0.170	0.330	0.500	1		E300.0	2E03018	05/04/12 00:40
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:18
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E08001	05/08/12 08:11
14808-79-8	Sulfate as SO4	28.8	0.330	1.00	2.00	1		E300.0	2E03018	05/04/12 00:40

ANALYSIS DATA SHEET

GW0617

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-09
Sampled:	04/30/12 12:57	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:38
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2E07007	05/07/12 12:01
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2E08001	05/08/12 08:20
16887-00-6	Chloride	9.51	0.170	0.330	0.500	1		E300.0	2E03018	05/04/12 00:57
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:19
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E08001	05/08/12 08:20
14808-79-8	Sulfate as SO4	29.1	0.330	1.00	2.00	1		E300.0	2E03018	05/04/12 00:57

ANALYSIS DATA SHEET

GW0618

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205009-11
Sampled:	04/30/12 10:24	Received:	05/02/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:39
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E07007	05/07/12 12:02
71-52-3	Alkalinity, Bicarbonate (as CACO3)	103	1.00	1.00	1.00	1		SM2320B	2E08001	05/08/12 08:25
16887-00-6	Chloride	8.20	0.170	0.330	0.500	1		E300.0	2E03018	05/04/12 02:07
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:24
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E08001	05/08/12 08:25
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.00	1		E300.0	2E03018	05/04/12 02:07

ANALYSIS DATA SHEET

GW0525

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-01
Sampled:	05/01/12 14:25	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:40
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E07007	05/07/12 12:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	96.2	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:25
16887-00-6	Chloride	88.2	0.170	0.330	0.500	1		E300.0	2E03021	05/04/12 05:01
NA	Nitrate/Nitrite as N	1.42	0.250	0.750	1.50	1	J	E353.2	2E14012	05/14/12 12:25
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:25
14808-79-8	Sulfate as SO4	66.8	0.330	1.00	2.00	1		E300.0	2E03021	05/04/12 05:01

ANALYSIS DATA SHEET

GW0538

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-03
Sampled:	05/02/12 13:16	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:25
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E07007	05/07/12 12:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	125	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:35
16887-00-6	Chloride	46.4	0.170	0.330	0.500	1		E300.0	2E03021	05/04/12 06:11
NA	Nitrate/Nitrite as N	0.836	0.250	0.750	1.50	1	J	E353.2	2E14012	05/14/12 12:27
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:35
14808-79-8	Sulfate as SO4	73.4	0.330	1.00	2.00	1		E300.0	2E03021	05/04/12 06:11

ANALYSIS DATA SHEET

GW0539

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-05
Sampled:	05/02/12 10:44	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:28
18496-25-8	Sulfide	0.891	0.741	1.85	3.70	1	J	SM4500S2CF	2E07007	05/07/12 12:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:40
16887-00-6	Chloride	17.4	0.170	0.330	0.500	1		E300.0	2E03021	05/04/12 05:18
NA	Nitrate/Nitrite as N	0.259	0.250	0.750	1.50	1	J	E353.2	2E14012	05/14/12 12:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:40
14808-79-8	Sulfate as SO4	44.9	0.330	1.00	2.00	1		E300.0	2E03021	05/04/12 05:18

ANALYSIS DATA SHEET

GW0561

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-07
Sampled:	05/02/12 10:41	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:29
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E07007	05/07/12 12:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	115	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:45
16887-00-6	Chloride	12.7	0.170	0.330	0.500	1		E300.0	2E03021	05/04/12 05:36
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:34
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:45
14808-79-8	Sulfate as SO4	36.8	0.330	1.00	2.00	1		E300.0	2E03021	05/04/12 05:36

ANALYSIS DATA SHEET

GW0601

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205021-09
Sampled:	05/01/12 15:22	Received:	05/03/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E14002	05/14/12 14:41
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E07007	05/07/12 12:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	123	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:51
16887-00-6	Chloride	34.5	0.170	0.330	0.500	1		E300.0	2E03021	05/04/12 05:53
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:51
14808-79-8	Sulfate as SO4	52.0	0.330	1.00	2.00	1		E300.0	2E03021	05/04/12 05:53

ANALYSIS DATA SHEET

GW0507

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-01
Sampled:	05/03/12 15:48	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:30
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E09027	05/09/12 15:47
71-52-3	Alkalinity, Bicarbonate (as CACO3)	98.7	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:07
16887-00-6	Chloride	17.9	0.170	0.330	0.500	1		E300.0	2E08024	05/09/12 01:16
NA	Nitrate/Nitrite as N	0.816	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:11
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:07
14808-79-8	Sulfate as SO4	45.1	0.330	1.00	2.00	1		E300.0	2E08024	05/09/12 01:16

ANALYSIS DATA SHEET

GW0524

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-03
Sampled:	05/03/12 10:28	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:31
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E09027	05/09/12 15:48
71-52-3	Alkalinity, Bicarbonate (as CACO3)	100	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:14
16887-00-6	Chloride	43.8	0.170	0.330	0.500	1		E300.0	2E08024	05/09/12 01:33
NA	Nitrate/Nitrite as N	0.806	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:12
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:14
14808-79-8	Sulfate as SO4	63.2	0.330	1.00	2.00	1		E300.0	2E08024	05/09/12 01:33

ANALYSIS DATA SHEET

GW0537

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-05
Sampled:	05/02/12 15:45	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:32
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E09027	05/09/12 15:49
71-52-3	Alkalinity, Bicarbonate (as CACO3)	112	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:55
16887-00-6	Chloride	40.7	0.170	0.330	0.500	1		E300.0	2E08024	05/08/12 21:12
NA	Nitrate/Nitrite as N	0.620	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:14
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:55
14808-79-8	Sulfate as SO4	65.3	0.330	1.00	2.00	1		E300.0	2E08024	05/08/12 21:12

ANALYSIS DATA SHEET

GW0555

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-07
Sampled:	05/03/12 13:25	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:33
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E09027	05/09/12 15:50
71-52-3	Alkalinity, Bicarbonate (as CACO3)	93.4	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:19
16887-00-6	Chloride	28.6	0.170	0.330	0.500	1		E300.0	2E08024	05/08/12 21:29
NA	Nitrate/Nitrite as N	0.762	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:15
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:19
14808-79-8	Sulfate as SO4	55.7	0.330	1.00	2.00	1		E300.0	2E08024	05/08/12 21:29

ANALYSIS DATA SHEET

GW0556

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-09
Sampled:	05/03/12 13:25	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:34
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E09027	05/09/12 15:51
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.0	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:28
16887-00-6	Chloride	28.9	0.170	0.330	0.500	1		E300.0	2E08024	05/08/12 21:47
NA	Nitrate/Nitrite as N	0.758	0.250	0.750	1.50	1	J	E353.2	2E17009	05/17/12 10:17
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:28
14808-79-8	Sulfate as SO4	56.3	0.330	1.00	2.00	1		E300.0	2E08024	05/08/12 21:47

ANALYSIS DATA SHEET

GW0580

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-11
Sampled:	05/03/12 16:05	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:35
18496-25-8	Sulfide	0.690	0.690	1.72	3.45	1	J	SM4500S2CF	2E09027	05/09/12 15:52
71-52-3	Alkalinity, Bicarbonate (as CACO3)	121	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:30
16887-00-6	Chloride	44.1	0.170	0.330	0.500	1		E300.0	2E08024	05/08/12 23:49
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:18
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:30
14808-79-8	Sulfate as SO4	37.4	0.330	1.00	2.00	1		E300.0	2E08024	05/08/12 23:49

ANALYSIS DATA SHEET

GW0581

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-13
Sampled:	05/03/12 11:26	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:39
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E09027	05/09/12 15:53
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:37
16887-00-6	Chloride	7.32	0.170	0.330	0.500	1		E300.0	2E08024	05/08/12 22:04
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:20
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:37
14808-79-8	Sulfate as SO4	28.1	0.330	1.00	2.00	1		E300.0	2E08024	05/08/12 22:04

ANALYSIS DATA SHEET

GW0582

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-15
Sampled:	05/03/12 13:58	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:36
18496-25-8	Sulfide	0.830	0.690	1.72	3.45	1	J	SM4500S2CF	2E09027	05/09/12 15:56
71-52-3	Alkalinity, Bicarbonate (as CACO3)	145	1.00	1.00	1.00	1		SM2320B	2E15010	05/15/12 10:41
16887-00-6	Chloride	13.7	0.170	0.330	0.500	1		E300.0	2E08024	05/09/12 00:06
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:24
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E15010	05/15/12 10:41
14808-79-8	Sulfate as SO4	31.2	0.330	1.00	2.00	1		E300.0	2E08024	05/09/12 00:06

ANALYSIS DATA SHEET

GW0616

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1205028-17
Sampled:	05/02/12 15:31	Received:	05/04/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2E17013	05/18/12 12:42
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2E09027	05/09/12 15:57
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2E14025	05/14/12 13:59
16887-00-6	Chloride	9.76	0.170	0.330	0.500	1		E300.0	2E08024	05/09/12 00:24
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E17009	05/17/12 10:28
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E14025	05/14/12 13:59
14808-79-8	Sulfate as SO4	29.3	0.330	1.00	2.00	1		E300.0	2E08024	05/09/12 00:24

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_052
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 1L33502

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1L33502-ICV1	Chloride	4.800	5.082	106	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	24.04	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_052
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2E12907

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E12907-CCV1	Chloride	25.00	26.03	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.79	103	mg/L	+/- 10.00%
2E12907-CCV2	Chloride	25.00	25.68	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.44	102	mg/L	+/- 10.00%
2E12907-CCV3	Chloride	25.00	25.79	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.53	102	mg/L	+/- 10.00%
2E12907-CCV4	Chloride	25.00	25.83	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.48	102	mg/L	+/- 10.00%
2E12907-CCV5	Chloride	25.00	25.76	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.52	102	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_052
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2E13205

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13205-CCV1	Chloride	25.00	26.06	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.73	103	mg/L	+/- 10.00%
2E13205-CCV2	Chloride	25.00	25.56	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.17	101	mg/L	+/- 10.00%
2E13205-CCV3	Chloride	25.00	25.74	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.95	99.8	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_052
Project: Kirtland AFB 2011
Calibration: 2135001
Sequence: 2E13507

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13507-ICV1	Nitrate/Nitrite as N	1.200	1.252	104	mg/L	+/- 10.00%
2E13507-CCV1	Nitrate/Nitrite as N	1.200	1.242	104	mg/L	+/- 10.00%
2E13507-CCV2	Nitrate/Nitrite as N	1.200	1.237	103	mg/L	+/- 10.00%
2E13507-CCV3	Nitrate/Nitrite as N	1.200	1.258	105	mg/L	+/- 10.00%
2E13507-CCV4	Nitrate/Nitrite as N	1.200	1.249	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_052
Project: Kirtland AFB 2011
Calibration: 2135003
Sequence: 2E13511

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13511-ICV1	Ammonia as N	2.000	2.079	104	mg/L	+/- 10.00%
2E13511-CCV1	Ammonia as N	2.000	2.122	106	mg/L	+/- 10.00%
2E13511-CCV2	Ammonia as N	2.000	2.112	106	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_052
Project: Kirtland AFB 2011
Calibration: 2138001
Sequence: 2E13805

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13805-ICV1	Nitrate/Nitrite as N	1.200	1.250	104	mg/L	+/- 10.00%
2E13805-CCV1	Nitrate/Nitrite as N	1.200	1.251	104	mg/L	+/- 10.00%
2E13805-CCV2	Nitrate/Nitrite as N	1.200	1.246	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_052
Project: Kirtland AFB 2011
Calibration: 2142003
Sequence: 2E14211

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E14211-ICV1	Ammonia as N	2.000	2.168	108	mg/L	+/- 10.00%
2E14211-CCV1	Ammonia as N	2.000	2.114	106	mg/L	+/- 10.00%
2E14211-CCV2	Ammonia as N	2.000	2.127	106	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2E12907

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E12907-CRL1	Chloride	0.5000	0.5570	111	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5690	114	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2E13205

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E13205-CRL1	Chloride	0.5000	0.5760	115	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5780	116	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E03018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E03018-BLK1	Chloride	0.0670	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_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E03021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E03021-BLK1	Chloride	0.0770	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E07007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E07007-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E08001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E08001-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E08024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E08024-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E09027

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E09027-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E14002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14002-BLK1	Ammonia as N	0.00624	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E14012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14012-BLK1	Nitrate/Nitrite as N	-0.0367	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E14025

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14025-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E15010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E15010-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E17009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E17009-BLK1	Nitrate/Nitrite as N	-0.0428	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E17013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E17013-BLK1	Ammonia as N	0.0375	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1L33502
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1L33502-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E12907
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E12907-CCB1	Chloride	0.0800	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12907-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
2E12907-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12907-CCB4	Chloride	0.0730	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12907-CCB5	Chloride	0.0860	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_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13205
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13205-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
2E13205-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
2E13205-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13507
Calibration: 2135001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13507-ICB1	Nitrate/Nitrite as N	-0.04132	0.0500	0.300	mg/L	U	E353.2
2E13507-CCB1	Nitrate/Nitrite as N	-0.0405	0.0500	0.300	mg/L	U	E353.2
2E13507-CCB2	Nitrate/Nitrite as N	-0.0322	0.0500	0.300	mg/L	U	E353.2
2E13507-CCB3	Nitrate/Nitrite as N	-0.0362	0.0500	0.300	mg/L	U	E353.2
2E13507-CCB4	Nitrate/Nitrite as N	-0.0351	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13511
Calibration: 2135003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13511-ICB1	Ammonia as N	0.001378	0.110	0.300	mg/L	U	SM4500NH3BG
2E13511-CCB1	Ammonia as N	0.00322	0.110	0.300	mg/L	U	SM4500NH3BG
2E13511-CCB2	Ammonia as N	0.00217	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13805
Calibration: 2138001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13805-ICB1	Nitrate/Nitrite as N	-0.04747	0.0500	0.300	mg/L	U	E353.2
2E13805-CCB1	Nitrate/Nitrite as N	-0.0494	0.0500	0.300	mg/L	U	E353.2
2E13805-CCB2	Nitrate/Nitrite as N	-0.0479	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_052
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E14211
Calibration: 2142003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14211-ICB1	Ammonia as N	-0.02734	0.110	0.300	mg/L	U	SM4500NH3BG
2E14211-CCB1	Ammonia as N	-0.00845	0.110	0.300	mg/L	U	SM4500NH3BG
2E14211-CCB2	Ammonia as N	-0.00537	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0554

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03018

% Solids:

Source Sample Name: **1205009-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	41.48	70.12	103		80 - 120
Sulfate as SO4	27.78	74.23	101.8	99.3		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	70.25	104	0.187		20	80 - 120
Sulfate as SO4	27.78	101.7	98.9	0.118		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0618

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03018

% Solids:

Source Sample Name: **1205009-11**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	8.196	36.66	102		80 - 120
Sulfate as SO4	27.78	29.02	56.92	100		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	36.63	102	0.100		20	80 - 120
Sulfate as SO4	27.78	57.05	101	0.228		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03021

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	46.38	74.80	102		80 - 120
Sulfate as SO4	27.78	73.38	100.5	97.6		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	74.30	101	0.671		20	80 - 120
Sulfate as SO4	27.78	99.06	92.4	1.44		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07007

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1266	ND	1431	113		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1411	111	1.36		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08024

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	7.315	36.13	104		80 - 120
Sulfate as SO4	27.78	28.13	56.22	101		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	36.16	104	0.0707		20	80 - 120
Sulfate as SO4	27.78	56.43	102	0.375		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E09027

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1266	ND	1296	102		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1314	104	1.38		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E14012

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	0.8360	3.516	107		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	3.480	106	1.03		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E14025

% Solids:

Source Sample Name: **1205021-03**

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	125.0	231.0	95.3		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	226.9	91.7	1.77		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E15010

% Solids:

Source Sample Name: **1205028-13**

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	101.5	211.1	98.7		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	214.3	102	1.48		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E17009

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.727	109		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.725	109	0.0734		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0538

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E17013

% Solids:

Source Sample Name: **1205021-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.200	104		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	4.971	99.4	4.50		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0581

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E17013

% Solids:

Source Sample Name: **1205028-13**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	4.836	96.7		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	4.960	99.2	2.53		20	75 - 125

GW0554

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E03018
Preparation: pNone
Source Sample Name: GW0554

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E03018-DUP2
Lab Source ID: 1205009-05
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	41.5	41.44	0.116		E300.0
Sulfate as SO4	20	74.2	74.22	0.0243		E300.0

DUPLICATES

GW0618

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E03018
Preparation: pNone
Source Sample Name: GW0618

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E03018-DUP3
Lab Source ID: 1205009-11
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	8.20	8.177	0.232		E300.0
Sulfate as SO4	20	29.0	29.05	0.114		E300.0

GW0538

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E03021
Preparation: pNone
Source Sample Name: GW0538

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E03021-DUP1
Lab Source ID: 1205021-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	46.4	46.65	0.589		E300.0
Sulfate as SO4	20	73.4	73.22	0.218		E300.0

DUPLICATES

GW0581

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E08024
Preparation: pNone
Source Sample Name: GW0581

SDG: Kirtland_052
Project: Kirtland AFB 2011
Laboratory ID: 2E08024-DUP1
Lab Source ID: 1205028-13
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	7.32	7.389	1.01		E300.0
Sulfate as SO4	20	28.1	28.25	0.411		E300.0

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03018	Laboratory ID:	2E03018-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.072	106	90 - 110
Sulfate as SO4	24.00	24.31	101	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03021	Laboratory ID:	2E03021-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.108	106	90 - 110
Sulfate as SO4	24.00	23.88	99.5	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07007	Laboratory ID:	2E07007-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1233	97.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08001	Laboratory ID:	2E08001-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1023	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08024	Laboratory ID:	2E08024-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.000	104	90 - 110
Sulfate as SO4	24.00	24.26	101	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E09027	Laboratory ID:	2E09027-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1217	96.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14002	Laboratory ID:	2E14002-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	4.982	99.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14012	Laboratory ID:	2E14012-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.656	98.0	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14025	Laboratory ID:	2E14025-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1025	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15010	Laboratory ID:	2E15010-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	1013	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17009	Laboratory ID:	2E17009-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.689	99.9	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E17013	Laboratory ID:	2E17013-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.061	101	80 - 120

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E03018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/03/12 11:39	5.00	5.00
GW0553	1205009-03	05/03/12 11:39	5.00	5.00
GW0554	1205009-05	05/03/12 11:39	5.00	5.00
GW0602	1205009-07	05/03/12 11:39	5.00	5.00
GW0617	1205009-09	05/03/12 11:39	5.00	5.00
GW0618	1205009-11	05/03/12 11:39	5.00	5.00
Blank	2E03018-BLK1	05/03/12 11:39	5.00	5.00
LCS	2E03018-BS1	05/03/12 11:39	5.00	5.00
GW0554	2E03018-DUP2	05/03/12 11:39	5.00	5.00
GW0618	2E03018-DUP3	05/03/12 11:39	5.00	5.00
GW0554	2E03018-MS2	05/03/12 11:39	22.50	25.00
GW0618	2E03018-MS3	05/03/12 11:39	22.50	25.00
GW0554	2E03018-MSD2	05/03/12 11:39	22.50	25.00
GW0618	2E03018-MSD3	05/03/12 11:39	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E03021 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0525	1205021-01	05/03/12 12:19	5.00	5.00
GW0538	1205021-03	05/03/12 12:19	5.00	5.00
GW0539	1205021-05	05/03/12 12:19	5.00	5.00
GW0561	1205021-07	05/03/12 12:19	5.00	5.00
GW0601	1205021-09	05/03/12 12:19	5.00	5.00
Blank	2E03021-BLK1	05/03/12 12:19	5.00	5.00
LCS	2E03021-BS1	05/03/12 12:19	5.00	5.00
GW0538	2E03021-DUP1	05/03/12 12:19	5.00	5.00
GW0538	2E03021-MS1	05/03/12 12:19	22.50	25.00
GW0538	2E03021-MSD1	05/03/12 12:19	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E07007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/07/12 08:20	290.00	200.00
GW0553	1205009-03	05/07/12 08:20	295.00	200.00
GW0554	1205009-05	05/07/12 08:20	270.00	200.00
GW0602	1205009-07	05/07/12 08:20	270.00	200.00
GW0617	1205009-09	05/07/12 08:20	270.00	200.00
GW0618	1205009-11	05/07/12 08:20	270.00	200.00
GW0525	1205021-01	05/07/12 08:20	290.00	200.00
GW0538	1205021-03	05/07/12 08:20	270.00	200.00
GW0539	1205021-05	05/07/12 08:20	270.00	200.00
GW0561	1205021-07	05/07/12 08:20	270.00	200.00
GW0601	1205021-09	05/07/12 08:20	290.00	200.00
Blank	2E07007-BLK1	05/07/12 08:20	250.00	200.00
LCS	2E07007-BS1	05/07/12 08:20	3.00	250.00
GW0538	2E07007-MS1	05/07/12 08:20	3.00	290.00
GW0538	2E07007-MSD1	05/07/12 08:20	3.00	290.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E08001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/08/12 06:31	25.00	25.00
GW0553	1205009-03	05/08/12 06:31	25.00	25.00
GW0554	1205009-05	05/08/12 06:31	25.00	25.00
GW0602	1205009-07	05/08/12 06:31	25.00	25.00
GW0617	1205009-09	05/08/12 06:31	25.00	25.00
GW0618	1205009-11	05/08/12 06:31	25.00	25.00
Blank	2E08001-BLK1	05/08/12 06:31	25.00	25.00
LCS	2E08001-BS1	05/08/12 06:31	5.00	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E08024 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0553	1205009-03RE1	05/03/12 11:39	5.00	5.00
GW0507	1205028-01	05/08/12 15:47	5.00	5.00
GW0524	1205028-03	05/08/12 15:47	5.00	5.00
GW0537	1205028-05	05/08/12 15:47	5.00	5.00
GW0555	1205028-07	05/08/12 15:47	5.00	5.00
GW0556	1205028-09	05/08/12 15:47	5.00	5.00
GW0580	1205028-11	05/08/12 15:47	5.00	5.00
GW0581	1205028-13	05/08/12 15:47	5.00	5.00
GW0582	1205028-15	05/08/12 15:47	5.00	5.00
GW0616	1205028-17	05/08/12 15:47	5.00	5.00
Blank	2E08024-BLK1	05/08/12 15:47	5.00	5.00
LCS	2E08024-BS1	05/08/12 15:47	5.00	5.00
GW0581	2E08024-DUP1	05/08/12 15:47	5.00	5.00
GW0581	2E08024-MS1	05/08/12 15:47	22.50	25.00
GW0581	2E08024-MSD1	05/08/12 15:47	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E09027 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/09/12 12:40	290.00	200.00
GW0524	1205028-03	05/09/12 12:40	295.00	200.00
GW0537	1205028-05	05/09/12 12:40	290.00	200.00
GW0555	1205028-07	05/09/12 12:40	290.00	200.00
GW0556	1205028-09	05/09/12 12:40	290.00	200.00
GW0580	1205028-11	05/09/12 12:40	290.00	200.00
GW0581	1205028-13	05/09/12 12:40	290.00	200.00
GW0582	1205028-15	05/09/12 12:40	290.00	200.00
GW0616	1205028-17	05/09/12 12:40	290.00	200.00
Blank	2E09027-BLK1	05/09/12 12:40	250.00	200.00
LCS	2E09027-BS1	05/09/12 12:40	3.00	250.00
GW0581	2E09027-MS1	05/09/12 12:40	3.00	270.00
GW0581	2E09027-MSD1	05/09/12 12:40	3.00	270.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E14002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/14/12 06:27	100.00	100.00
GW0553	1205009-03	05/14/12 06:27	100.00	100.00
GW0554	1205009-05	05/14/12 06:27	100.00	100.00
GW0602	1205009-07	05/14/12 06:27	100.00	100.00
GW0617	1205009-09	05/14/12 06:27	100.00	100.00
GW0618	1205009-11	05/14/12 06:27	100.00	100.00
GW0525	1205021-01	05/14/12 06:27	100.00	100.00
GW0601	1205021-09	05/14/12 06:27	100.00	100.00
Blank	2E14002-BLK1	05/14/12 06:27	100.00	100.00
LCS	2E14002-BS1	05/14/12 06:27	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E14012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0526	1205009-01	05/14/12 08:48	4.00	20.00
GW0553	1205009-03	05/14/12 08:48	4.00	20.00
GW0554	1205009-05	05/14/12 08:48	4.00	20.00
GW0602	1205009-07	05/14/12 08:48	4.00	20.00
GW0617	1205009-09	05/14/12 08:48	4.00	20.00
GW0618	1205009-11	05/14/12 08:48	4.00	20.00
GW0525	1205021-01	05/14/12 08:48	4.00	20.00
GW0538	1205021-03	05/14/12 08:48	4.00	20.00
GW0539	1205021-05	05/14/12 08:48	4.00	20.00
GW0561	1205021-07	05/14/12 08:48	4.00	20.00
GW0601	1205021-09	05/14/12 08:48	4.00	20.00
Blank	2E14012-BLK1	05/14/12 08:48	20.00	20.00
LCS	2E14012-BS1	05/14/12 08:48	20.00	20.00
GW0538	2E14012-MS2	05/14/12 08:48	4.00	20.00
GW0538	2E14012-MSD2	05/14/12 08:48	4.00	20.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E14025 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0525	1205021-01	05/14/12 12:11	25.00	25.00
GW0538	1205021-03	05/14/12 12:11	25.00	25.00
GW0539	1205021-05	05/14/12 12:11	25.00	25.00
GW0561	1205021-07	05/14/12 12:11	25.00	25.00
GW0601	1205021-09	05/14/12 12:11	25.00	25.00
GW0537	1205028-05	05/14/12 12:11	25.00	25.00
GW0616	1205028-17	05/14/12 12:11	25.00	25.00
Blank	2E14025-BLK1	05/14/12 12:11	25.00	25.00
LCS	2E14025-BS1	05/14/12 12:11	5.00	25.00
GW0538	2E14025-MS1	05/14/12 12:11	22.50	25.00
GW0538	2E14025-MSD1	05/14/12 12:11	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E15010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/15/12 08:59	25.00	25.00
GW0524	1205028-03	05/15/12 08:59	25.00	25.00
GW0555	1205028-07	05/15/12 08:59	25.00	25.00
GW0556	1205028-09	05/15/12 08:59	25.00	25.00
GW0580	1205028-11	05/15/12 08:59	25.00	25.00
GW0581	1205028-13	05/15/12 08:59	25.00	25.00
GW0582	1205028-15	05/15/12 08:59	25.00	25.00
Blank	2E15010-BLK1	05/15/12 08:59	25.00	25.00
LCS	2E15010-BS1	05/15/12 08:59	5.00	25.00
GW0581	2E15010-MS1	05/15/12 08:59	22.50	25.00
GW0581	2E15010-MSD1	05/15/12 08:59	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E17009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0507	1205028-01	05/17/12 08:16	4.00	20.00
GW0524	1205028-03	05/17/12 08:16	4.00	20.00
GW0537	1205028-05	05/17/12 08:16	4.00	20.00
GW0555	1205028-07	05/17/12 08:16	4.00	20.00
GW0556	1205028-09	05/17/12 08:16	4.00	20.00
GW0580	1205028-11	05/17/12 08:16	4.00	20.00
GW0581	1205028-13	05/17/12 08:16	4.00	20.00
GW0582	1205028-15	05/17/12 08:16	4.00	20.00
GW0616	1205028-17	05/17/12 08:16	4.00	20.00
Blank	2E17009-BLK1	05/17/12 08:16	20.00	20.00
LCS	2E17009-BS1	05/17/12 08:16	20.00	20.00
GW0581	2E17009-MS1	05/17/12 08:16	4.00	20.00
GW0581	2E17009-MSD1	05/17/12 08:16	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_052

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

Batch: 2E17013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0538	1205021-03	05/17/12 09:55	100.00	100.00
GW0539	1205021-05	05/17/12 09:55	100.00	100.00
GW0561	1205021-07	05/17/12 09:55	100.00	100.00
GW0507	1205028-01	05/17/12 09:55	100.00	100.00
GW0524	1205028-03	05/17/12 09:55	100.00	100.00
GW0537	1205028-05	05/17/12 09:55	100.00	100.00
GW0555	1205028-07	05/17/12 09:55	100.00	100.00
GW0556	1205028-09	05/17/12 09:55	100.00	100.00
GW0580	1205028-11	05/17/12 09:55	100.00	100.00
GW0581	1205028-13	05/17/12 09:55	100.00	100.00
GW0582	1205028-15	05/17/12 09:55	100.00	100.00
GW0616	1205028-17	05/17/12 09:55	100.00	100.00
Blank	2E17013-BLK1	05/17/12 09:55	100.00	100.00
LCS	2E17013-BS1	05/17/12 09:55	100.00	100.00
GW0538	2E17013-MS1	05/17/12 09:55	100.00	100.00
GW0581	2E17013-MS2	05/17/12 09:55	100.00	100.00
GW0538	2E17013-MSD1	05/17/12 09:55	100.00	100.00
GW0581	2E17013-MSD2	05/17/12 09:55	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2E08001-BS1	050812-002	05/08/12 07:10
Blank	2E08001-BLK1	050812-003	05/08/12 07:19
LCS	2E14025-BS1	051412-002	05/14/12 12:40
Blank	2E14025-BLK1	051412-003	05/14/12 12:45
GW0538	2E14025-MS1	051412-004	05/14/12 12:52
GW0538	2E14025-MSD1	051412-005	05/14/12 12:59
LCS	2E15010-BS1	051512-002	05/15/12 09:36
Blank	2E15010-BLK1	051512-003	05/15/12 09:43
GW0581	2E15010-MS1	051512-004	05/15/12 09:55
GW0581	2E15010-MSD1	051512-005	05/15/12 10:02

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_052

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2E07007-BS1	050712-001	05/07/12 11:55
Blank	2E07007-BLK1	050712-002	05/07/12 11:56
GW0538	2E07007-MS1	050712-011	05/07/12 12:05
GW0538	2E07007-MSD1	050712-012	05/07/12 12:06
LCS	2E09027-BS1	050912-001	05/09/12 15:45
Blank	2E09027-BLK1	050912-002	05/09/12 15:46
GW0581	2E09027-MS1	050912-010	05/09/12 15:54
GW0581	2E09027-MSD1	050912-011	05/09/12 15:55

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1L33502	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1L33502-CAL1	112911-003	11/29/11 18:23
Cal Standard	1L33502-CAL2	112911-004	11/29/11 18:40
Cal Standard	1L33502-CAL3	112911-005	11/29/11 18:57
Cal Standard	1L33502-CAL4	112911-006	11/29/11 19:15
Cal Standard	1L33502-CAL5	112911-007	11/29/11 19:32
Cal Standard	1L33502-CAL6	112911-008	11/29/11 19:50
Cal Standard	1L33502-CAL7	112911-009	11/29/11 20:07
Cal Standard	1L33502-CAL8	112911-010	11/29/11 20:24
Initial Cal Check	1L33502-ICV1	112911-011	11/29/11 20:42
Initial Cal Blank	1L33502-ICB1	112911-012	11/29/11 20:59

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12907	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12907-CCV1	050312-003	05/03/12 15:40
Calibration Blank	2E12907-CCB1	050312-004	05/03/12 15:57
Instrument RL Check	2E12907-CRL1	050312-005	05/03/12 16:15
LCS	2E03018-BS1	050312-059	05/03/12 17:07
Blank	2E03018-BLK1	050312-009	05/03/12 17:24
Calibration Check	2E12907-CCV2	050312-020	05/03/12 20:36
Calibration Blank	2E12907-CCB2	050312-021	05/03/12 20:53
GW0526	1205009-01	050312-026	05/03/12 22:20
GW0553	1205009-03	050312-027	05/03/12 22:38
GW0554	1205009-05	050312-028	05/03/12 22:55
GW0554	2E03018-MS2	050312-029	05/03/12 23:12
GW0554	2E03018-MSD2	050312-030	05/03/12 23:30
GW0554	2E03018-DUP2	050312-031	05/03/12 23:47
Calibration Check	2E12907-CCV3	050312-032	05/04/12 00:05
Calibration Blank	2E12907-CCB3	050312-033	05/04/12 00:22
GW0602	1205009-07	050312-034	05/04/12 00:40
GW0617	1205009-09	050312-035	05/04/12 00:57
GW0618	1205009-11	050312-039	05/04/12 02:07
GW0618	2E03018-MS3	050312-040	05/04/12 02:24
GW0618	2E03018-MSD3	050312-041	05/04/12 02:42
GW0618	2E03018-DUP3	050312-042	05/04/12 02:59
Calibration Check	2E12907-CCV4	050312-043	05/04/12 03:16
Calibration Blank	2E12907-CCB4	050312-044	05/04/12 03:34
LCS	2E03021-BS1	050312-045	05/04/12 03:51
Blank	2E03021-BLK1	050312-046	05/04/12 04:09
GW0525	1205021-01	050312-049	05/04/12 05:01
GW0539	1205021-05	050312-050	05/04/12 05:18
GW0561	1205021-07	050312-051	05/04/12 05:36
GW0601	1205021-09	050312-052	05/04/12 05:53
GW0538	1205021-03	050312-053	05/04/12 06:11
GW0538	2E03021-MS1	050312-054	05/04/12 06:28
GW0538	2E03021-MSD1	050312-055	05/04/12 06:45

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12907	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0538	2E03021-DUP1	050312-056	05/04/12 07:03
Calibration Check	2E12907-CCV5	050312-057	05/04/12 07:20
Calibration Blank	2E12907-CCB5	050312-058	05/04/12 07:38

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13205	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13205-CCV1	050812-003	05/08/12 18:17
Calibration Blank	2E13205-CCB1	050812-004	05/08/12 18:35
Instrument RL Check	2E13205-CRL1	050812-005	05/08/12 18:52
LCS	2E08024-BS1	050812-008	05/08/12 19:45
Blank	2E08024-BLK1	050812-009	05/08/12 20:02
GW0553	1205009-03RE1	050812-010	05/08/12 20:19
GW0537	1205028-05	050812-013	05/08/12 21:12
GW0555	1205028-07	050812-014	05/08/12 21:29
GW0556	1205028-09	050812-015	05/08/12 21:47
GW0581	1205028-13	050812-016	05/08/12 22:04
GW0581	2E08024-MS1	050812-017	05/08/12 22:22
GW0581	2E08024-MSD1	050812-018	05/08/12 22:39
GW0581	2E08024-DUP1	050812-019	05/08/12 22:56
Calibration Check	2E13205-CCV2	050812-020	05/08/12 23:14
Calibration Blank	2E13205-CCB2	050812-021	05/08/12 23:31
GW0580	1205028-11	050812-022	05/08/12 23:49
GW0582	1205028-15	050812-023	05/09/12 00:06
GW0616	1205028-17	050812-024	05/09/12 00:24
GW0507	1205028-01	050812-027	05/09/12 01:16
GW0524	1205028-03	050812-028	05/09/12 01:33
Calibration Check	2E13205-CCV3	050812-029	05/09/12 01:51
Calibration Blank	2E13205-CCB3	050812-030	05/09/12 02:08

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13507	Instrument:	WC-Lachat
Calibration:	2135001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13507-CAL1	M_5-14-2012_11-46-57AM-00	05/14/12 11:47
Cal Standard	2E13507-CAL2	M_5-14-2012_11-46-57AM-00	05/14/12 11:49
Cal Standard	2E13507-CAL3	M_5-14-2012_11-46-57AM-00	05/14/12 11:50
Cal Standard	2E13507-CAL4	M_5-14-2012_11-46-57AM-00	05/14/12 11:52
Cal Standard	2E13507-CAL5	M_5-14-2012_11-46-57AM-00	05/14/12 11:53
Cal Standard	2E13507-CAL6	M_5-14-2012_11-46-57AM-00	05/14/12 11:55
Cal Standard	2E13507-CAL7	M_5-14-2012_11-46-57AM-00	05/14/12 11:56
Cal Standard	2E13507-CAL8	M_5-14-2012_11-46-57AM-00	05/14/12 11:58
Initial Cal Check	2E13507-ICV1	M_5-14-2012_11-46-57AM-00	05/14/12 11:59
Initial Cal Blank	2E13507-ICB1	M_5-14-2012_11-46-57AM-01	05/14/12 12:01
Blank	2E14012-BLK1	M_5-14-2012_11-46-57AM-01	05/14/12 12:03
LCS	2E14012-BS1	M_5-14-2012_11-46-57AM-01	05/14/12 12:05
GW0526	1205009-01	M_5-14-2012_11-46-57AM-01	05/14/12 12:14
GW0553	1205009-03	M_5-14-2012_11-46-57AM-02	05/14/12 12:15
GW0554	1205009-05	M_5-14-2012_11-46-57AM-02	05/14/12 12:16
GW0602	1205009-07	M_5-14-2012_11-46-57AM-02	05/14/12 12:18
GW0617	1205009-09	M_5-14-2012_11-46-57AM-02	05/14/12 12:19
Calibration Check	2E13507-CCV1	M_5-14-2012_11-46-57AM-02	05/14/12 12:21
Calibration Blank	2E13507-CCB1	M_5-14-2012_11-46-57AM-02	05/14/12 12:22
GW0618	1205009-11	M_5-14-2012_11-46-57AM-02	05/14/12 12:24
GW0525	1205021-01	M_5-14-2012_11-46-57AM-02	05/14/12 12:25
GW0538	1205021-03	M_5-14-2012_11-46-57AM-02	05/14/12 12:27
GW0539	1205021-05	M_5-14-2012_11-46-57AM-03	05/14/12 12:32
GW0561	1205021-07	M_5-14-2012_11-46-57AM-03	05/14/12 12:34
GW0601	1205021-09	M_5-14-2012_11-46-57AM-03	05/14/12 12:35
Calibration Check	2E13507-CCV2	M_5-14-2012_11-46-57AM-03	05/14/12 12:37
Calibration Blank	2E13507-CCB2	M_5-14-2012_11-46-57AM-03	05/14/12 12:38
Calibration Check	2E13507-CCV3	M_5-14-2012_12-45-50PM-00	05/14/12 12:47
Calibration Blank	2E13507-CCB3	M_5-14-2012_12-45-50PM-00	05/14/12 12:49
GW0538	2E14012-MS2	M_5-14-2012_12-45-50PM-00	05/14/12 12:50
GW0538	2E14012-MSD2	M_5-14-2012_12-45-50PM-00	05/14/12 12:52
Calibration Check	2E13507-CCV4	M_5-14-2012_12-45-50PM-00	05/14/12 12:53

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13507	Instrument:	WC-Lachat
Calibration:	2135001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2E13507-CCB4	M_5-14-2012_12-45-50PM-00	05/14/12 12:55

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13511	Instrument:	WC-Lachat
Calibration:	2135003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13511-CAL1	M_5-14-2012_02-11-12PM-00	05/14/12 14:12
Cal Standard	2E13511-CAL2	M_5-14-2012_02-11-12PM-00	05/14/12 14:13
Cal Standard	2E13511-CAL3	M_5-14-2012_02-11-12PM-00	05/14/12 14:14
Cal Standard	2E13511-CAL4	M_5-14-2012_02-11-12PM-00	05/14/12 14:15
Cal Standard	2E13511-CAL5	M_5-14-2012_02-11-12PM-00	05/14/12 14:16
Cal Standard	2E13511-CAL6	M_5-14-2012_02-11-12PM-00	05/14/12 14:17
Cal Standard	2E13511-CAL7	M_5-14-2012_02-11-12PM-00	05/14/12 14:18
Cal Standard	2E13511-CAL8	M_5-14-2012_02-11-12PM-00	05/14/12 14:19
Initial Cal Check	2E13511-ICV1	M_5-14-2012_02-11-12PM-00	05/14/12 14:20
Initial Cal Blank	2E13511-ICB1	M_5-14-2012_02-11-12PM-01	05/14/12 14:21
Blank	2E14002-BLK1	M_5-14-2012_02-11-12PM-01	05/14/12 14:22
LCS	2E14002-BS1	M_5-14-2012_02-11-12PM-01	05/14/12 14:23
GW0526	1205009-01	M_5-14-2012_02-11-12PM-02	05/14/12 14:32
GW0553	1205009-03	M_5-14-2012_02-11-12PM-02	05/14/12 14:33
GW0554	1205009-05	M_5-14-2012_02-11-12PM-02	05/14/12 14:34
Calibration Check	2E13511-CCV1	M_5-14-2012_02-11-12PM-02	05/14/12 14:35
Calibration Blank	2E13511-CCB1	M_5-14-2012_02-11-12PM-02	05/14/12 14:36
GW0602	1205009-07	M_5-14-2012_02-11-12PM-02	05/14/12 14:37
GW0617	1205009-09	M_5-14-2012_02-11-12PM-02	05/14/12 14:38
GW0618	1205009-11	M_5-14-2012_02-11-12PM-02	05/14/12 14:39
GW0525	1205021-01	M_5-14-2012_02-11-12PM-03	05/14/12 14:40
GW0601	1205021-09	M_5-14-2012_02-11-12PM-03	05/14/12 14:41
Calibration Check	2E13511-CCV2	M_5-14-2012_02-11-12PM-03	05/14/12 14:46
Calibration Blank	2E13511-CCB2	M_5-14-2012_02-11-12PM-03	05/14/12 14:47

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13805	Instrument:	WC-Lachat
Calibration:	2138001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13805-CAL1	M_5-17-2012_09-50-26AM-00	05/17/12 09:52
Cal Standard	2E13805-CAL2	M_5-17-2012_09-50-26AM-00	05/17/12 09:53
Cal Standard	2E13805-CAL3	M_5-17-2012_09-50-26AM-00	05/17/12 09:55
Cal Standard	2E13805-CAL4	M_5-17-2012_09-50-26AM-00	05/17/12 09:56
Cal Standard	2E13805-CAL5	M_5-17-2012_09-50-26AM-00	05/17/12 09:58
Cal Standard	2E13805-CAL6	M_5-17-2012_09-50-26AM-00	05/17/12 09:59
Cal Standard	2E13805-CAL7	M_5-17-2012_09-50-26AM-00	05/17/12 10:01
Cal Standard	2E13805-CAL8	M_5-17-2012_09-50-26AM-00	05/17/12 10:02
Initial Cal Check	2E13805-ICV1	M_5-17-2012_09-50-26AM-00	05/17/12 10:04
Initial Cal Blank	2E13805-ICB1	M_5-17-2012_09-50-26AM-01	05/17/12 10:05
Blank	2E17009-BLK1	M_5-17-2012_09-50-26AM-01	05/17/12 10:08
LCS	2E17009-BS1	M_5-17-2012_09-50-26AM-01	05/17/12 10:09
GW0507	1205028-01	M_5-17-2012_09-50-26AM-01	05/17/12 10:11
GW0524	1205028-03	M_5-17-2012_09-50-26AM-01	05/17/12 10:12
GW0537	1205028-05	M_5-17-2012_09-50-26AM-01	05/17/12 10:14
GW0555	1205028-07	M_5-17-2012_09-50-26AM-01	05/17/12 10:15
GW0556	1205028-09	M_5-17-2012_09-50-26AM-01	05/17/12 10:17
GW0580	1205028-11	M_5-17-2012_09-50-26AM-01	05/17/12 10:18
GW0581	1205028-13	M_5-17-2012_09-50-26AM-02	05/17/12 10:20
GW0581	2E17009-MS1	M_5-17-2012_09-50-26AM-02	05/17/12 10:21
GW0581	2E17009-MSD1	M_5-17-2012_09-50-26AM-02	05/17/12 10:22
GW0582	1205028-15	M_5-17-2012_09-50-26AM-02	05/17/12 10:24
Calibration Check	2E13805-CCV1	M_5-17-2012_09-50-26AM-02	05/17/12 10:25
Calibration Blank	2E13805-CCB1	M_5-17-2012_09-50-26AM-02	05/17/12 10:27
GW0616	1205028-17	M_5-17-2012_09-50-26AM-02	05/17/12 10:28
Calibration Check	2E13805-CCV2	M_5-17-2012_09-50-26AM-03	05/17/12 10:43
Calibration Blank	2E13805-CCB2	M_5-17-2012_09-50-26AM-03	05/17/12 10:44

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_052
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E14211	Instrument:	WC-Lachat
Calibration:	2142003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E14211-CAL1	M_5-18-2012_12-13-08PM-00	05/18/12 12:14
Cal Standard	2E14211-CAL2	M_5-18-2012_12-13-08PM-00	05/18/12 12:15
Cal Standard	2E14211-CAL3	M_5-18-2012_12-13-08PM-00	05/18/12 12:16
Cal Standard	2E14211-CAL4	M_5-18-2012_12-13-08PM-00	05/18/12 12:17
Cal Standard	2E14211-CAL5	M_5-18-2012_12-13-08PM-00	05/18/12 12:18
Cal Standard	2E14211-CAL6	M_5-18-2012_12-13-08PM-00	05/18/12 12:19
Cal Standard	2E14211-CAL7	M_5-18-2012_12-13-08PM-00	05/18/12 12:20
Cal Standard	2E14211-CAL8	M_5-18-2012_12-13-08PM-00	05/18/12 12:21
Initial Cal Check	2E14211-ICV1	M_5-18-2012_12-13-08PM-00	05/18/12 12:22
Initial Cal Blank	2E14211-ICB1	M_5-18-2012_12-13-08PM-01	05/18/12 12:23
LCS	2E17013-BS1	M_5-18-2012_12-13-08PM-01	05/18/12 12:24
Blank	2E17013-BLK1	M_5-18-2012_12-13-08PM-01	05/18/12 12:24
GW0538	1205021-03	M_5-18-2012_12-13-08PM-01	05/18/12 12:25
GW0538	2E17013-MS1	M_5-18-2012_12-13-08PM-01	05/18/12 12:26
GW0538	2E17013-MSD1	M_5-18-2012_12-13-08PM-01	05/18/12 12:27
GW0539	1205021-05	M_5-18-2012_12-13-08PM-01	05/18/12 12:28
GW0561	1205021-07	M_5-18-2012_12-13-08PM-01	05/18/12 12:29
GW0507	1205028-01	M_5-18-2012_12-13-08PM-01	05/18/12 12:30
GW0524	1205028-03	M_5-18-2012_12-13-08PM-01	05/18/12 12:31
GW0537	1205028-05	M_5-18-2012_12-13-08PM-02	05/18/12 12:32
GW0555	1205028-07	M_5-18-2012_12-13-08PM-02	05/18/12 12:33
GW0556	1205028-09	M_5-18-2012_12-13-08PM-02	05/18/12 12:34
GW0580	1205028-11	M_5-18-2012_12-13-08PM-02	05/18/12 12:35
GW0582	1205028-15	M_5-18-2012_12-13-08PM-02	05/18/12 12:36
Calibration Check	2E14211-CCV1	M_5-18-2012_12-13-08PM-02	05/18/12 12:37
Calibration Blank	2E14211-CCB1	M_5-18-2012_12-13-08PM-02	05/18/12 12:38
GW0581	1205028-13	M_5-18-2012_12-13-08PM-02	05/18/12 12:39
GW0581	2E17013-MS2	M_5-18-2012_12-13-08PM-02	05/18/12 12:40
GW0581	2E17013-MSD2	M_5-18-2012_12-13-08PM-02	05/18/12 12:41
GW0616	1205028-17	M_5-18-2012_12-13-08PM-03	05/18/12 12:42
Calibration Check	2E14211-CCV2	M_5-18-2012_12-13-08PM-03	05/18/12 12:50
Calibration Blank	2E14211-CCB2	M_5-18-2012_12-13-08PM-04	05/18/12 12:51