ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_065

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

SUBMITTAL TO:
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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

Changes to the Revision
Revision 01: The package was revised to replace the Analysis Data Sheet and raw data for sample GW0747 (1210102-01) for SW8015B GRO. The sample was re-integrated after it was found that a baseline rise was included in the original integration causing a positive result not seen at this location in the past.

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 1210102-05 and -07 were analyzed at a 5x dilution indicated only due to the samples foaming during screening. No lower analyses were able to be performed.

The following matrix spikes exceeded criteria:
2J22015-MS1/MSD1 (1210135-05) with a negative bias for 1,3-Dichlorobenzene, 2,2-Dichloropropane, 1,1-Dichloropropene, Isopropylbenzene, p-Isopropyltoluene, and Trichlorofluoromethane
2J22015-MS2/MSD2 (1210135-19) with a negative bias for 2,2-Dichloropropane and exceeded relative percent difference criteria for Carbon Tetrachloride, Dichlorodifluoromethane, and Trichlorofluoromethane

The following was analyzed after the 12-hour tune criteria:
2J23004-BSD1 was analyzed 12 hours 18 minutes after the associated tune standard

The following continuing calibration verifications exceeded criteria:
2J29205-CCV1 with a positive bias for Dichlorodifluoromethane
2J29605-CCV1 with a negative bias for Acetone and a positive bias for Carbon Disulfide and Dichlorodifluoromethane
2J29703-CCV1 with a positive bias for Carbon Disulfide, Chloromethane, Dichlorodifluoromethane, and Vinyl Chloride
2J29801-CCV1 with a positive bias for Carbon Disulfide, Chloromethane, Dichlorodifluoromethane, and Vinyl Chloride and a negative bias for 1,1,2-Trichloroethane
2J29804-CCV1 with a negative bias for Acetone and a positive bias for Dichlorodifluoromethane

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

SW8270D BNA:
The following batch spikes exceeded criteria:
2J11028-BS1/BSD1 with a positive bias for Butylbenzylphthalate, Di-n-butylphthalate, and 3,3'-Dichlorobenzidine
2J17004-BS1/BSD1 exceeded relative percent difference criteria for Benzidine, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, Pentachlorophenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol

The following matrix spikes exceeded criteria:
2J16004-MSD3 (1210135-19) with a positive bias for Butylbenzylphthalate

The following continuing calibration verifications exceeded criteria:
2J29213-CCV2 with a positive bias for Benzidine
2J29404-CCV2 with a positive bias for Caprolactam

2J29716-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol
2J29716-CCV2 with a positive bias for Benzidine, Caprolactam, and 3,3'-Dichlorobenzidine
2J29819-CCV1 with a positive bias for 2,4-Dinitrophenol and 2-Nitrophenol
2J29819-CCV2 with a positive bias for Benzidine, Caprolactam, and 3,3'-Dichlorobenzidine
2J23001-CCV1 with a positive bias for 2,4-Dinitrophenol, 2-Nitrophenol, and Terphenyl-d14
2J23001-CCV2 with a positive bias for Benzidine and Caprolactam

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

SW8011:
Note - Surrogate spike is not a method requirement, as such, surrogate limits are advisory.

The following continuing calibration verifications exceeded criteria:
2J29709-CCV1 with a negative bias on column 2 for 1,3-Dibromopropane

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

SW8015B DRO:
The following continuing calibration verifications exceeded criteria:
2J29607-CCV1 with a negative bias for o-Terphenyl; note – surrogates in associated samples and QC are within criteria

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

SW8015B GRO:
No anomalies or deviations are noted.

SW6010B:
The following matrix spikes exceeded criteria:
2J24021-MS1/MSD1 (1210102-11) for Calcium and Sodium; note – the parent sample concentrations for Calcium and Sodium are greater than 4 times the amount spiked
2J26010-MSD1 (1210135-05) for Calcium; note – the parent sample concentration for

Calcium is greater than 4 times the amount spiked
2J26010-MSD2 (1210135-19) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

The following post spikes exceeded criteria:
2J26010-PS1 (1210135-05) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked
2J26010-PS2 (1210135-19) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

No additional anomalies or deviations are noted.

Wet Chemistry:
The following were analyzed after the method recommended holding time:
Sulfide for 1210135-21 was analyzed 8 days after sampling with a 7 day method recommended holding time; note – the sample was analyzed outside of the method recommended holding time due to the PM reviewing the SRC late and not noticing until the day after the sample went out of holding time that the incorrect date sampled had been entered.

The following compounds are qualified with an M to indicate that the LOQ was raised to the level of the reporting limit standard within criteria:
Sulfate as SO4 (2.5 mg/L) in 1210102-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, -21, -23, -25, -27, 1210135-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, and -21

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

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

Analytical Report Terms and Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard exceeded criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

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

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

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

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

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

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

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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

1210102

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW231

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

Samples Shipment Date: 09 OCT 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306619272

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 10/09/2012 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 10-10-12 Time: 830

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 GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		

1210102

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW231

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
02	GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	~~GW0747~~	~~2819-R-CRT-WG-GW0747-REG~~	~~09 OCT 2012~~	~~08:45~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
01	GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
↓	GW0747	2819-R-CRT-WG-GW0747-REG	09 OCT 2012	08:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
03	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
					DNJ 10-9-12								
↓	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	~~GW0753~~	~~KAFB3411-WG-GW0753-REG~~	~~09 OCT 2012~~	~~14:39 44~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
03	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
↓	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0753	KAFB3411-WG-GW0753-REG	09 OCT 2012	14:39 44	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
05	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
↓	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
06	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
05	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
↓	~~GW0769~~	~~KAFB-106018-WG-GW0769-REG~~	~~09 OCT 2012~~	~~15:03~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
	GW0769	KAFB-106018-WG-GW0769-REG	09 OCT 2012	15:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

1210102

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW231

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	~~GW0770~~	~~KAFB-106018-WG-GW0770-FD~~	~~09 OCT 2012~~	~~15:03~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
08	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
07	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0770	KAFB-106018-WG-GW0770-FD	09 OCT 2012	15:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
09	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0771	KAFB-106019-WG-GW0771-REG	09 OCT 2012	11:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	~~GW0771~~	~~KAFB-106019-WG-GW0771-REG~~	~~09 OCT 2012~~	~~11:05~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
11	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW231

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
11	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
↓	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
12	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	~~GW0778~~	~~KAFB-106026-WG-GW0778-REG~~	~~09 OCT 2012~~	~~11:20~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
11	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
↓	GW0778	KAFB-106026-WG-GW0778-REG	09 OCT 2012	11:20	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
13	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	~~GW0782~~	~~KAFB-106032-WG-GW0782-REG~~	~~08 OCT 2012~~	~~15:26~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
14	GW0782	KAFB-106032-WG-GW0782-REG	08 OCT 2012	15:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
15	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
16	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
15	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	~~GW0783~~	~~KAFB-106033-WG-GW0783-REG~~	~~08 OCT 2012~~	~~13:03~~	~~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-GW231

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
15	GW0783	KAFB-106033-WG-GW0783-REG	08 OCT 2012	13:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
17	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	~~GW0784~~	~~KAFB-106033-WG-GW0784-FD~~	~~08 OCT 2012~~	~~13:03~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
18	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
17	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0784	KAFB-106033-WG-GW0784-FD	08 OCT 2012	13:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
19	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
19	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0785	KAFB-106034-WG-GW0785-REG	08 OCT 2012	10:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	~~GW0785~~	~~KAFB-106034-WG-GW0785-REG~~	~~08 OCT 2012~~	~~10:58~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
21	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW231

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
21	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	~~GW0795~~	~~KAFB-106027-WG-GW0795-REG~~	~~08 OCT 2012~~	~~15:23~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
22	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
21	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0795	KAFB-106027-WG-GW0795-REG	08 OCT 2012	15:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
23	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	~~GW0796~~	~~KAFB-106044-WG-GW0796-REG~~	~~08 OCT 2012~~	~~13:25~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
24	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
23	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0796	KAFB-106044-WG-GW0796-REG	08 OCT 2012	13:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
25	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	~~GW0797~~	~~KAFB-106044-WG-GW0797-FD~~	~~08 OCT 2012~~	~~13:25~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
26	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
25	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	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-GW231

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
25	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0797	KAFB-106044-WG-GW0797-FD	08 OCT 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
27	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	~~GW0798~~	~~KAFB-106045-WG-GW0798-REG~~	~~08 OCT 2012~~	~~11:18~~	~~250 mL HDPE~~	~~1~~	~~HNO3<pH 2~~	~~Dissolved Iron and Manganese by SW846 6010C~~			~~N~~		
	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
28	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
27	GW0798	KAFB-106045-WG-GW0798-REG	08 OCT 2012	11:18	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
29	GW8231-TB	FIELDQC-BW-GW8231-TB-TB	08 OCT 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 1210102

1. Tracking # 9283 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.7 °C + *correction factor (+ 0.2)* = 0.9 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 1210102

1. Tracking # 9294 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.6 °C + *correction factor (+ 0.2)* = 1.8 °C

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 (initial) _____

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

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

8. Packing material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 12/0102

1. Tracking # 9309 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.9 °C + *correction factor (+ 0.2)* = 1.1 °C

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 (initial) [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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 1210102

1. Tracking # 9310 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.8 °C + *correction factor (+ 0.2)* = 2.0 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 1210102

1. Tracking # 9320 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.0 °C + *correction factor (+ 0.2)* = 3.2 °C

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: 1FRONT

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 1210102

1. Tracking # 9331 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.5 °C + *correction factor (+ 0.2)* = 1.7 °C

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 (initial) BL

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

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

8. Packing material 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

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

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

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

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

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/10/12 @ 0830 Workorder# 1210102

1. Tracking # 9342 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.7 °C + *correction factor (+ 0.2)* = 1.9 °C

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 (initial) 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 material 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

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

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

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

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

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial)

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

Additional Details:

1210135

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

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

Samples Shipment Date: 11 OCT 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306619353

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 10-11-12 Time: 1630
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) jack dewilb jr. Date: 10-12-12 Time: 0835

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 GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1210135

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

	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	GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0767	KAFB-106016-WG-GW0767-REG	11 OCT 2012	14:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0768	KAFB-106017-WG-GW0768-REG	11 OCT 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0793	KAFB-106042-WG-GW0793-REG	10 OCT 2012	14:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1210135

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
05	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
06	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0793-MS	KAFB-106042-WG-GW0793-MS-MS	10 OCT 2012	14:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0793-MSD	KAFB-106042-WG-GW0793-MSD-MSD	10 OCT 2012	14:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
07	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0794	KAFB-106043-WG-GW0794-REG	10 OCT 2012	12:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
09	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0844	KAFB-106088-WG-GW0844-REG	11 OCT 2012	15:52	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
11	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0845	KAFB-106089-WG-GW0845-REG	11 OCT 2012	13:54	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
13	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
14	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0846	KAFB-106089-WG-GW0846-FD	11 OCT 2012	13:54	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
15	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
16	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0847	KAFB-106090-WG-GW0847-REG	11 OCT 2012	11:53	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
17	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~ 10-11-2012	~~12:44~~ 1244	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
18	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
17	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0868	KAFB-106105-WG-GW0868-REG	~~11 OCT 2012~~	12:44	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
19	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

T3T 1210135
JD 10-12-12

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
19	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0869	KAFB-106106-WG-GW0869-REG	10 OCT 2012	15:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0869-MS	KAFB-106106-WG-GW0869-MS-MS	10 OCT 2012	15:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0869-MSD	KAFB-106106-WG-GW0869-MSD-MSD	10 OCT 2012	15:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
21	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW232

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
21	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
22	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
21	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
21	GW0870	KAFB-106107-WG-GW0870-REG	10 OCT 2012	10:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
~~22~~	GW8232-TB	FIELDQC-BW-GW8232-TB-TB	10 OCT 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B	23		N		

JD
10-12-12
Renumbered →

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9353 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.3 °C + *correction factor (+ 0.2)* = 0.5 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

~~* 3 TPH — GRO vials for GW0793 did not arrive at all.~~

JD 10-12-12

C:\Documents and Settings\bwright\Desktop\New CRF.doc1.doc

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9364 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.8 °C + *correction factor (+ 0.2)* = 2.0 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) ____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9375 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.1 °C + *correction factor (+ 0.2)* = 1.3 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9386 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.0 °C + correction factor (+ 0.2) = 2.2 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9397 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.6 °C + *correction factor (+ 0.2)* = 2.8 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9401 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.8 °C + *correction factor (+ 0.2)* = 1.0 °C

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 (initial) 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 material 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

13. a. 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 (initial) JD

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9412 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.5 °C + *correction factor (+ 0.2)* = 1.7 °C

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 (initial) 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 material 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

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

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

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

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

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9423 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.6 °C + *correction factor (+ 0.2)* = 2.8 °C

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 (initial) 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 material 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

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

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

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

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

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial)

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/12/12 @ 0835 Workorder# 1210135

1. Tracking # 9434 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.2 °C + *correction factor (+ 0.2)* = 1.4 °C

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 (initial) 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 material 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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 9

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

15. a. 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 (initial) 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 (initial) JD

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

I certify that I have performed a second check of the LIMS information against the COC to confirm accuracy (initial) _____

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

Additional Details:

WORK ORDER

Printed: 10/11/2012 4:34:49PM

1210102

Empirical Laboratories, LLC

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

Project Manager: Lorraine Noronha
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: 10/31/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 10/10/2012 08:30
Logged In By: Jack Deville
Date Logged In: 10/10/2012 12:36

Samples Received at: **2.6°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-01 GW0747 [Water] Sampled 10/09/2012 08:45 Central 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/06/2012 08:45	
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/16/2012 08:45	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/07/2013 08:45	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/23/2012 08:45	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/23/2012 08:45	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/23/2012 08:45	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/23/2012 08:45	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/16/2012 08:45	
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/06/2012 08:45	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/06/2012 08:45	Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/16/2012 08:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1210102-02 GW0747 [Water] Sampled 10/09/2012 08:45 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/07/2013 08:45	Fe & Mn

1210102

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-03 GW0753 [Water] Sampled 10/09/2012 14:44 Central 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/23/2012 14:44	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/07/2013 14:44	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/16/2012 14:44	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/23/2012 14:44	naphthalene must be reported
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/23/2012 14:44	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/06/2012 14:44	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/06/2012 14:44	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/06/2012 14:44	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/16/2012 14:44	
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/16/2012 14:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/23/2012 14:44	carb/bicarb
1210102-04 GW0753 [Water] Sampled 10/09/2012 14:44 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/07/2013 14:44	Fe & Mn
1210102-05 GW0769 [Water] Sampled 10/09/2012 15:03 Central 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/06/2012 15:03	
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/23/2012 15:03	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/07/2013 15:03	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/16/2012 15:03	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/23/2012 15:03	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/06/2012 15:03	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/06/2012 15:03	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/16/2012 15:03	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/23/2012 15:03	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/23/2012 15:03	carb/bicarb
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/16/2012 15:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1210102-06 GW0769 [Water] Sampled 10/09/2012 15:03 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/07/2013 15:03	Fe & Mn

1210102

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-07 GW0770 [Water] Sampled 10/09/2012 15:03 Central 'Field Duplicate'					
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/16/2012 15:03	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/23/2012 15:03	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/16/2012 15:03	
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/23/2012 15:03	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/07/2013 15:03	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/23/2012 15:03	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/23/2012 15:03	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/06/2012 15:03	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/06/2012 15:03	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/06/2012 15:03	
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/16/2012 15:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1210102-08 GW0770 [Water] Sampled 10/09/2012 15:03 Central 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/07/2013 15:03	Fe & Mn
1210102-09 GW0771 [Water] Sampled 10/09/2012 11:05 Central 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/16/2012 11:05	
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/23/2012 11:05	
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/16/2012 11:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/07/2013 11:05	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/23/2012 11:05	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/06/2012 11:05	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/06/2012 11:05	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/06/2012 11:05	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/23/2012 11:05	naphthalene must be reported
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/16/2012 11:05	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/23/2012 11:05	Run dilutions based on 8260 results!
1210102-10 GW0771 [Water] Sampled 10/09/2012 11:05 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/07/2013 11:05	Fe & Mn

1210102

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-11 GW0778 [Water] Sampled 10/09/2012 11:20 Central 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/16/2012 11:20	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/07/2013 11:20	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/16/2012 11:20	
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/06/2012 11:20	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/06/2012 11:20	Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/16/2012 11:20	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/23/2012 11:20	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/23/2012 11:20	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/23/2012 11:20	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/06/2012 11:20	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/23/2012 11:20	Run dilutions based on 8260 results!
1210102-12 GW0778 [Water] Sampled 10/09/2012 11:20 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/07/2013 11:20	Fe & Mn
1210102-13 GW0782 [Water] Sampled 10/08/2012 15:26 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 15:26	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 15:26	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 15:26	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 15:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 15:26	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 15:26	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 15:26	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 15:26	
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 15:26	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 15:26	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 15:26	
1210102-14 GW0782 [Water] Sampled 10/08/2012 15:26 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 15:26	Fe & Mn

1210102

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-15 GW0783 [Water] Sampled 10/08/2012 13:03 Central 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 13:03	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 13:03	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 13:03	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 13:03	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 13:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 13:03	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 13:03	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 13:03	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 13:03	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 13:03	
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 13:03	
1210102-16 GW0783 [Water] Sampled 10/08/2012 13:03 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 13:03	Fe & Mn
1210102-17 GW0784 [Water] Sampled 10/08/2012 13:03 Central 'Field Duplicate'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 13:03	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 13:03	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 13:03	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 13:03	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 13:03	
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 13:03	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 13:03	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 13:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 13:03	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 13:03	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 13:03	naphthalene must be reported
1210102-18 GW0784 [Water] Sampled 10/08/2012 13:03 Central 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 13:03	Fe & Mn

1210102

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-19 GW0785 [Water] Sampled 10/08/2012 10:58 Central 'Client Sample'					
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 10:58	naphthalene must be reported
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 10:58	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 10:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 10:58	
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 10:58	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 10:58	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 10:58	
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 10:58	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 10:58	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 10:58	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 10:58	
1210102-20 GW0785 [Water] Sampled 10/08/2012 10:58 Central 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 10:58	Fe & Mn
1210102-21 GW0795 [Water] Sampled 10/08/2012 15:23 Central 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 15:23	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 15:23	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 15:23	
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 15:23	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 15:23	Cl, SO4
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 15:23	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 15:23	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 15:23	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 15:23	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 15:23	
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 15:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1210102-22 GW0795 [Water] Sampled 10/08/2012 15:23 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 15:23	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-23 GW0796 [Water] Sampled 10/08/2012 13:25 Central 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 13:25	Cl, SO4
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 13:25	
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 13:25	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 13:25	
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 13:25	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 13:25	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 13:25	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 13:25	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 13:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 13:25	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 13:25	
1210102-24 GW0796 [Water] Sampled 10/08/2012 13:25 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 13:25	Fe & Mn
1210102-25 GW0797 [Water] Sampled 10/08/2012 13:25 Central 'Field Duplicate'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 13:25	
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 13:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 13:25	
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 13:25	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 13:25	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 13:25	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 13:25	Cl, SO4
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 13:25	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 13:25	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 13:25	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 13:25	
1210102-26 GW0797 [Water] Sampled 10/08/2012 13:25 Central 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 13:25	Fe & Mn

1210102

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210102-27 GW0798 [Water] Sampled 10/08/2012 11:18 Central 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	10/26/2012 14:00	15	10/22/2012 11:18	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/26/2012 14:00	15	11/05/2012 11:18	
SW6010B	MET_ICP_6010B_FULL	10/26/2012 14:00	15	04/06/2013 11:18	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/26/2012 14:00	15	10/15/2012 11:18	
SW8011	SGC_EDB_8011	10/26/2012 14:00	15	10/22/2012 11:18	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	10/26/2012 14:00	15	10/15/2012 11:18	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/26/2012 14:00	15	10/22/2012 11:18	
E300.0	WC_ANIONS_300.0 (Regular)	10/26/2012 14:00	15	11/05/2012 11:18	Cl, SO4
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 11:18	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	10/26/2012 14:00	15	10/15/2012 11:18	
E353.2	WC_NO3NO2_N_353.2	10/26/2012 14:00	15	11/05/2012 11:18	
1210102-28 GW0798 [Water] Sampled 10/08/2012 11:18 Central 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/26/2012 14:00	15	04/06/2013 11:18	Fe & Mn
1210102-29 GW8231-TB [Water] Sampled 10/08/2012 08:00 Central 'Trip Blank'					
SW8260B	VOC_8260B_REG	10/26/2012 14:00	15	10/22/2012 08:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 10/24/2012 9:57:40AM

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Empirical Laboratories, LLC

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

Project Manager: Lorraine Noronha
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: 11/02/2012 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: 10/12/2012 08:35
Logged In By: Jack Deville
Date Logged In: 10/12/2012 17:19

Samples Received at: **0.5°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1210135-01 GW0767 [Water] Sampled 10/11/2012 14:36 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 15:36	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 15:36	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 15:36	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 15:36	
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 15:36	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 15:36	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 15:36	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 15:36	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 15:36	Cl, SO4
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 15:36	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 15:36	
1210135-02 GW0767 [Water] Sampled 10/11/2012 14:36 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 15:36	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210135-03 GW0768 [Water] Sampled 10/11/2012 11:32 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 12:32	
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 12:32	naphthalene must be reported
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 12:32	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 12:32	carb/bicarb
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 12:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 12:32	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 12:32	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 12:32	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 12:32	
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 12:32	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 12:32	Cl, SO4
1210135-04 GW0768 [Water] Sampled 10/11/2012 11:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 12:32	Fe & Mn
1210135-05 GW0793 [Water] Sampled 10/10/2012 14:45 Mountain 'Client Sample'					**MS/MSD**
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/07/2012 15:45	MS/MSD
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/08/2013 15:45	MS/MSD, Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/17/2012 15:45	MS/MSD
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/24/2012 15:45	MS/MSD, Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/24/2012 15:45	MS/MSD, naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/07/2012 15:45	MS/MSD, Cl, SO4
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/24/2012 15:45	MS/MSD, carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/17/2012 15:45	MS/MSD
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/24/2012 15:45	MS/MSD
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/17/2012 15:45	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/07/2012 15:45	MS/MSD
1210135-06 GW0793 [Water] Sampled 10/10/2012 14:45 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/08/2013 15:45	MS/MSD, Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210135-07 GW0794 [Water] Sampled 10/10/2012 12:16 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/24/2012 13:16	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/17/2012 13:16	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/07/2012 13:16	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/17/2012 13:16	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/08/2013 13:16	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/24/2012 13:16	
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/24/2012 13:16	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/24/2012 13:16	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/07/2012 13:16	
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/17/2012 13:16	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/07/2012 13:16	
1210135-08 GW0794 [Water] Sampled 10/10/2012 12:16 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/08/2013 13:16	Fe & Mn
1210135-09 GW0844 [Water] Sampled 10/11/2012 15:52 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 16:52	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 16:52	
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 16:52	
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 16:52	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 16:52	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 16:52	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 16:52	
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 16:52	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 16:52	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 16:52	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 16:52	Cl, SO4
1210135-10 GW0844 [Water] Sampled 10/11/2012 15:52 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 16:52	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210135-11 GW0845 [Water] Sampled 10/11/2012 13:54 Mountain 'Client Sample'					
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 14:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 14:54	
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 14:54	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 14:54	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 14:54	
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 14:54	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 14:54	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 14:54	
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 14:54	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 14:54	
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 14:54	naphthalene must be reported
1210135-12 GW0845 [Water] Sampled 10/11/2012 13:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 14:54	Fe & Mn
1210135-13 GW0846 [Water] Sampled 10/11/2012 13:54 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 14:54	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 14:54	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 14:54	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 14:54	
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 14:54	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 14:54	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 14:54	
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 14:54	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 14:54	
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 14:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 14:54	
1210135-14 GW0846 [Water] Sampled 10/11/2012 13:54 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 14:54	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210135-15 GW0847 [Water] Sampled 10/11/2012 11:53 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 12:53	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 12:53	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 12:53	
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 12:53	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 12:53	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 12:53	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 12:53	
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 12:53	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 12:53	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 12:53	
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 12:53	naphthalene must be reported
1210135-16 GW0847 [Water] Sampled 10/11/2012 11:53 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 12:53	Fe & Mn
1210135-17 GW0868 [Water] Sampled 10/11/2012 12:44 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/08/2012 13:44	
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/18/2012 13:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/18/2012 13:44	
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/08/2012 13:44	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/08/2012 13:44	Cl, SO4
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/25/2012 13:44	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/25/2012 13:44	
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/25/2012 13:44	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/18/2012 13:44	
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/09/2013 13:44	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/25/2012 13:44	carb/bicarb
1210135-18 GW0868 [Water] Sampled 10/11/2012 12:44 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/09/2013 13:44	Fe & Mn

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Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210135-19 GW0869 [Water] Sampled 10/10/2012 15:16 Mountain 'Client Sample'					**MS/MSD**
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/24/2012 16:16	MS/MSD, Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/07/2012 16:16	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/07/2012 16:16	MS/MSD, Cl, SO4
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/07/2012 16:16	MS/MSD
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/17/2012 16:16	MS/MSD
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/24/2012 16:16	MS/MSD, carb/bicarb
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/24/2012 16:16	MS/MSD, naphthalene must be reported
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/17/2012 16:16	MS/MSD
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/08/2013 16:16	MS/MSD, Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/17/2012 16:16	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/24/2012 16:16	MS/MSD
1210135-20 GW0869 [Water] Sampled 10/10/2012 15:16 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/08/2013 16:16	MS/MSD, Fe & Mn
1210135-21 GW0870 [Water] Sampled 10/10/2012 10:21 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	10/30/2012 14:00	15	10/17/2012 11:21	
E353.2	WC_NO3NO2_N_353.2	10/30/2012 14:00	15	11/07/2012 11:21	
E300.0	WC_ANIONS_300.0 (Regular)	10/30/2012 14:00	15	11/07/2012 11:21	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	10/30/2012 14:00	15	11/07/2012 11:21	
SW8011	SGC_EDB_8011	10/30/2012 14:00	15	10/24/2012 11:21	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	10/30/2012 14:00	15	04/08/2013 11:21	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	10/30/2012 14:00	15	10/24/2012 11:21	carb/bicarb
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/24/2012 11:21	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	10/30/2012 14:00	15	10/24/2012 11:21	
SW8270D	SMS_BNA_8270D_3510_REG	10/30/2012 14:00	15	10/17/2012 11:21	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	10/30/2012 14:00	15	10/17/2012 11:21	
1210135-22 GW0870 [Water] Sampled 10/10/2012 10:21 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	10/30/2012 14:00	15	04/08/2013 11:21	Fe & Mn
1210135-23 GW8232-TB [Water] Sampled 10/10/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	10/30/2012 14:00	15	10/24/2012 09:00	naphthalene must be reported

Reviewed By

Date

Brian Richard

From: Moss, Pamela J [pamela.moss@shawgrp.com]
Sent: Wednesday, October 24, 2012 9:24 AM
To: brichard@empirlabs.com
Subject: RE: Kirtland_065

Brian, we need to document this in the case narrative for the SDG. thx

---

From: Brian Richard [mailto:brichard@empirlabs.com]
Sent: Wednesday, October 24, 2012 7:48 AM
To: Moss, Pamela J
Subject: Kirtland_065

Hello Pam,
We had an issue with a sulfide sample on workorder #1210135 in SDG#Kirtland_065
It's your sample ID GW0870, and the sulfide was run one day out of hold. The problem stemmed from the SRC that I overlooked and was late on reviewing. The date sampled was initially entered into our LIMS incorrectly, so I made the change. Problem was, the sulfide was run on the last day of hold according to the incorrect date. When I corrected the date, it made the analysis one day out of hold. I apologize for the mistake on my end...it wasn't anything that the analyst could have caught. Please let me know if you'd like us to go ahead and report this data, or if it will need to be resampled.
Thanks,
Brian

Brian Richard
Project Manager
Empirical Laboratories, LLC
"Your National Small Business Partner"
621 Mainstream Drive, Suite 270 l Nashville, TN 37228 l Website l Map & Directions
Main: 615.345.1115 ext. 249 l Toll free: 877.345.1113 l Fax: 866.417.0548

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http://www.shawgrp.com

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_065

QC LEVEL: Level IV
Report Due: 11/2/2012
Client Sample Count: 41

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Client Sample	10/9/2012	10/10/2012	1210102-01	GW0747	Water	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-02	GW0747	Water					
Client Sample	10/9/2012	10/10/2012	1210102-03	GW0753	Water	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-04	GW0753	Water					
Client Sample	10/9/2012	10/10/2012	1210102-05	GW0769	Water	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-06	GW0769	Water					
Field Duplicate	10/9/2012	10/10/2012	1210102-07	GW0770	Water	X	X	X	X	X
Field Duplicate	10/9/2012	10/10/2012	1210102-08	GW0770	Water					
Client Sample	10/9/2012	10/10/2012	1210102-09	GW0771	Water	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-10	GW0771	Water					
Client Sample	10/9/2012	10/10/2012	1210102-11	GW0778	Water	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-12	GW0778	Water					
Client Sample	10/8/2012	10/10/2012	1210102-13	GW0782	Water	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-14	GW0782	Water					
Client Sample	10/8/2012	10/10/2012	1210102-15	GW0783	Water	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-16	GW0783	Water					
Field Duplicate	10/8/2012	10/10/2012	1210102-17	GW0784	Water	X	X	X	X	X
Field Duplicate	10/8/2012	10/10/2012	1210102-18	GW0784	Water					
Client Sample	10/8/2012	10/10/2012	1210102-19	GW0785	Water	X	X	X	X	X
Field Duplicate	10/8/2012	10/10/2012	1210102-20	GW0785	Water					
Client Sample	10/8/2012	10/10/2012	1210102-21	GW0795	Water	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-22	GW0795	Water					
Client Sample	10/8/2012	10/10/2012	1210102-23	GW0796	Water	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-24	GW0796	Water					
Field Duplicate	10/8/2012	10/10/2012	1210102-25	GW0797	Water	X	X	X	X	X
Field Duplicate	10/8/2012	10/10/2012	1210102-26	GW0797	Water					
Client Sample	10/8/2012	10/10/2012	1210102-27	GW0798	Water	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-28	GW0798	Water					
Trip Blank	10/8/2012	10/10/2012	1210102-29	GW8231-TB	Water					
Client Sample	10/11/2012	10/12/2012	1210135-01	GW0767	Water	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-02	GW0767	Water					
Client Sample	10/11/2012	10/12/2012	1210135-03	GW0768	Water	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-04	GW0768	Water					
Client Sample	10/10/2012	10/12/2012	1210135-05	GW0793	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	10/10/2012	10/12/2012	1210135-06	GW0793	Water					
Client Sample	10/10/2012	10/12/2012	1210135-07	GW0794	Water	X	X	X	X	X
Client Sample	10/10/2012	10/12/2012	1210135-08	GW0794	Water					
Client Sample	10/11/2012	10/12/2012	1210135-09	GW0844	Water	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-10	GW0844	Water					
Client Sample	10/11/2012	10/12/2012	1210135-11	GW0845	Water	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-12	GW0845	Water					
Field Duplicate	10/11/2012	10/12/2012	1210135-13	GW0846	Water	X	X	X	X	X
Field Duplicate	10/11/2012	10/12/2012	1210135-14	GW0846	Water					
Client Sample	10/11/2012	10/12/2012	1210135-15	GW0847	Water	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-16	GW0847	Water					
Client Sample	10/11/2012	10/12/2012	1210135-17	GW0868	Water	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-18	GW0868	Water					
Client Sample	10/10/2012	10/12/2012	1210135-19	GW0869	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	10/10/2012	10/12/2012	1210135-20	GW0869	Water					
Client Sample	10/10/2012	10/12/2012	1210135-21	GW0870	Water	X	X	X	X	X
Client Sample	10/10/2012	10/12/2012	1210135-22	GW0870	Water					
Trip Blank	10/10/2012	10/12/2012	1210135-23	GW8232-TB	Water					

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	W8015B DR	W8015B GR	SW8260B	SW8270D
Client Sample	10/9/2012	10/10/2012	1210102-01	GW0747	X	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-02	GW0747	X					
Client Sample	10/9/2012	10/10/2012	1210102-03	GW0753	X	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-04	GW0753	X					
Client Sample	10/9/2012	10/10/2012	1210102-05	GW0769	X	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-06	GW0769	X					
Field Duplicate	10/9/2012	10/10/2012	1210102-07	GW0770	X	X	X	X	X	X
Field Duplicate	10/9/2012	10/10/2012	1210102-08	GW0770	X					
Client Sample	10/9/2012	10/10/2012	1210102-09	GW0771	X	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-10	GW0771	X					
Client Sample	10/9/2012	10/10/2012	1210102-11	GW0778	X	X	X	X	X	X
Client Sample	10/9/2012	10/10/2012	1210102-12	GW0778	X					
Client Sample	10/8/2012	10/10/2012	1210102-13	GW0782	X	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-14	GW0782	X					
Client Sample	10/8/2012	10/10/2012	1210102-15	GW0783	X	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-16	GW0783	X					
Field Duplicate	10/8/2012	10/10/2012	1210102-17	GW0784	X	X	X	X	X	X
Field Duplicate	10/8/2012	10/10/2012	1210102-18	GW0784	X					
Client Sample	10/8/2012	10/10/2012	1210102-19	GW0785	X	X	X	X	X	X
Field Duplicate	10/8/2012	10/10/2012	1210102-20	GW0785	X					
Client Sample	10/8/2012	10/10/2012	1210102-21	GW0795	X	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-22	GW0795	X					
Client Sample	10/8/2012	10/10/2012	1210102-23	GW0796	X	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-24	GW0796	X					
Field Duplicate	10/8/2012	10/10/2012	1210102-25	GW0797	X	X	X	X	X	X
Field Duplicate	10/8/2012	10/10/2012	1210102-26	GW0797	X					
Client Sample	10/8/2012	10/10/2012	1210102-27	GW0798	X	X	X	X	X	X
Client Sample	10/8/2012	10/10/2012	1210102-28	GW0798	X					
Trip Blank	10/8/2012	10/10/2012	1210102-29	GW8231-TB					X	
Client Sample	10/11/2012	10/12/2012	1210135-01	GW0767	X	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-02	GW0767	X					
Client Sample	10/11/2012	10/12/2012	1210135-03	GW0768	X	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-04	GW0768	X					
Client Sample	10/10/2012	10/12/2012	1210135-05	GW0793	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	10/10/2012	10/12/2012	1210135-06	GW0793	MS/MSD					
Client Sample	10/10/2012	10/12/2012	1210135-07	GW0794	X	X	X	X	X	X
Client Sample	10/10/2012	10/12/2012	1210135-08	GW0794	X					
Client Sample	10/11/2012	10/12/2012	1210135-09	GW0844	X	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-10	GW0844	X					
Client Sample	10/11/2012	10/12/2012	1210135-11	GW0845	X	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-12	GW0845	X					
Field Duplicate	10/11/2012	10/12/2012	1210135-13	GW0846	X	X	X	X	X	X
Field Duplicate	10/11/2012	10/12/2012	1210135-14	GW0846	X					
Client Sample	10/11/2012	10/12/2012	1210135-15	GW0847	X	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-16	GW0847	X					
Client Sample	10/11/2012	10/12/2012	1210135-17	GW0868	X	X	X	X	X	X
Client Sample	10/11/2012	10/12/2012	1210135-18	GW0868	X					
Client Sample	10/10/2012	10/12/2012	1210135-19	GW0869	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	10/10/2012	10/12/2012	1210135-20	GW0869	MS/MSD					
Client Sample	10/10/2012	10/12/2012	1210135-21	GW0870	X	X	X	X	X	X
Client Sample	10/10/2012	10/12/2012	1210135-22	GW0870	X					
Trip Blank	10/10/2012	10/12/2012	1210135-23	GW8232-TB					X	

Data for SW8260B Forms

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-29 [GW8231-TB]	2J17023	5.00/5.00	5.00	5.00	1.00		10/17/12

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-13 [GW0782]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-15 [GW0783]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-17 [GW0784]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-19 [GW0785]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-21 [GW0795]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-23 [GW0796]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-25 [GW0797]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12
1210102-27 [GW0798]	2J19013	5.00/5.00	5.00	5.00	1.00		10/19/12

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J22013	5.00/5.00	5.00	5.00	1.00		10/22/12
1210102-03 [GW0753]	2J22013	5.00/5.00	5.00	5.00	1.00		10/22/12
1210102-05 [GW0769]	2J22013	5.00/5.00	5.00	5.00	5.00		10/22/12
1210102-07 [GW0770]	2J22013	5.00/5.00	5.00	5.00	5.00		10/22/12
1210102-09 [GW0771]	2J22013	5.00/5.00	5.00	5.00	1.00		10/22/12
1210102-11 [GW0778]	2J22013	5.00/5.00	5.00	5.00	1.00		10/22/12
1210135-07 [GW0794]	2J22013	5.00/5.00	5.00	5.00	1.00		10/22/12

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-05 [GW0793]	2J22015	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-19 [GW0869]	2J22015	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-21 [GW0870]	2J22015	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-23 [GW8232-TB]	2J22015	5.00/5.00	5.00	5.00	1.00		10/23/12

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-03 [GW0768]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-09 [GW0844]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-11 [GW0845]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-13 [GW0846]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-15 [GW0847]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-17 [GW0868]	2J23004	5.00/5.00	5.00	5.00	1.00		10/23/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	1010201.D
Sampled:	10/09/12 08:45	Prepared:	10/22/12 09:44	Analyzed:	10/22/12 09:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
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	UX
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	UX
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

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	1010201.D
Sampled:	10/09/12 08:45	Prepared:	10/22/12 09:44	Analyzed:	10/22/12 09:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.81	92.7	75 - 120	
Dibromofluoromethane	30.00	29.58	98.6	85 - 115	
1,2-Dichloroethane-d4	30.00	30.32	101	70 - 120	
Toluene-d8	30.00	29.56	98.5	85 - 120	

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	1010203.D
Sampled:	10/09/12 14:44	Prepared:	10/22/12 10:12	Analyzed:	10/22/12 10:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
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	UX
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	UX
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

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	1010203.D
Sampled:	10/09/12 14:44	Prepared:	10/22/12 10:12	Analyzed:	10/22/12 10:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.78	92.6	75 - 120	
Dibromofluoromethane	30.00	29.56	98.5	85 - 115	
1,2-Dichloroethane-d4	30.00	30.90	103	70 - 120	
Toluene-d8	30.00	30.12	100	85 - 120	

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	1010205D.D
Sampled:	10/09/12 15:03	Prepared:	10/22/12 10:40	Analyzed:	10/22/12 10:40
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**30.5**	12.5	25.0	50.0	JD
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	UX
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	UX
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	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	1010205D.D
Sampled:	10/09/12 15:03	Prepared:	10/22/12 10:40	Analyzed:	10/22/12 10:40
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 Instrument: MS-VOA5

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	**4.30**	1.25	2.50	5.00	JD
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	**1.55**	1.25	2.50	5.00	JD
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	UX
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.81	92.7	75 - 120	
Dibromofluoromethane	30.00	29.17	97.2	85 - 115	
1,2-Dichloroethane-d4	30.00	29.48	98.3	70 - 120	
Toluene-d8	30.00	30.12	100	85 - 120	

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	1010207D.D
Sampled:	10/09/12 15:03	Prepared:	10/22/12 11:07	Analyzed:	10/22/12 11:07
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**54.8**	12.5	25.0	50.0	D
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	UX
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	UX
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	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	1010207D.D
Sampled:	10/09/12 15:03	Prepared:	10/22/12 11:07	Analyzed:	10/22/12 11:07
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 Instrument: MS-VOA5

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	**4.30**	1.25	2.50	5.00	JD
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	**1.70**	1.25	2.50	5.00	JD
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	UX
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.79	92.6	75 - 120	
Dibromofluoromethane	30.00	29.43	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.57	95.2	70 - 120	
Toluene-d8	30.00	30.44	101	85 - 120	

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	1010209.D
Sampled:	10/09/12 11:05	Prepared:	10/22/12 11:35	Analyzed:	10/22/12 11:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	**1.37**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	UX
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	UX
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	UX
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

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	1010209.D
Sampled:	10/09/12 11:05	Prepared:	10/22/12 11:35	Analyzed:	10/22/12 11:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	**8.35**	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	**1.16**	0.250	0.500	1.00	
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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.37	94.6	75 - 120	
Dibromofluoromethane	30.00	29.32	97.7	85 - 115	
1,2-Dichloroethane-d4	30.00	29.79	99.3	70 - 120	
Toluene-d8	30.00	30.09	100	85 - 120	

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	1010211.D
Sampled:	10/09/12 11:20	Prepared:	10/22/12 12:03	Analyzed:	10/22/12 12:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
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	UX
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	UX
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

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	1010211.D
Sampled:	10/09/12 11:20	Prepared:	10/22/12 12:03	Analyzed:	10/22/12 12:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.57	91.9	75 - 120	
Dibromofluoromethane	30.00	30.11	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.19	101	70 - 120	
Toluene-d8	30.00	29.53	98.4	85 - 120	

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	1010213.D
Sampled:	10/08/12 15:26	Prepared:	10/19/12 14:27	Analyzed:	10/19/12 14:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	1010213.D
Sampled:	10/08/12 15:26	Prepared:	10/19/12 14:27	Analyzed:	10/19/12 14:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

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	29.18	97.3	85 - 115	
1,2-Dichloroethane-d4	30.00	30.04	100	70 - 120	
Toluene-d8	30.00	30.08	100	85 - 120	

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	1010215.D
Sampled:	10/08/12 13:03	Prepared:	10/19/12 14:55	Analyzed:	10/19/12 14:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	1010215.D
Sampled:	10/08/12 13:03	Prepared:	10/19/12 14:55	Analyzed:	10/19/12 14:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.52	95.1	75 - 120	
Dibromofluoromethane	30.00	29.70	99.0	85 - 115	
1,2-Dichloroethane-d4	30.00	31.26	104	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	1010217.D
Sampled:	10/08/12 13:03	Prepared:	10/19/12 15:23	Analyzed:	10/19/12 15:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	1010217.D
Sampled:	10/08/12 13:03	Prepared:	10/19/12 15:23	Analyzed:	10/19/12 15:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.40	94.7	75 - 120	
Dibromofluoromethane	30.00	29.16	97.2	85 - 115	
1,2-Dichloroethane-d4	30.00	31.28	104	70 - 120	
Toluene-d8	30.00	30.01	100	85 - 120	

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	1010219.D
Sampled:	10/08/12 10:58	Prepared:	10/19/12 15:50	Analyzed:	10/19/12 15:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	1010219.D
Sampled:	10/08/12 10:58	Prepared:	10/19/12 15:50	Analyzed:	10/19/12 15:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.19	97.3	75 - 120	
Dibromofluoromethane	30.00	28.83	96.1	85 - 115	
1,2-Dichloroethane-d4	30.00	31.13	104	70 - 120	
Toluene-d8	30.00	31.12	104	85 - 120	

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	1010221.D
Sampled:	10/08/12 15:23	Prepared:	10/19/12 16:18	Analyzed:	10/19/12 16:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	1010221.D
Sampled:	10/08/12 15:23	Prepared:	10/19/12 16:18	Analyzed:	10/19/12 16:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.11	93.7	75 - 120	
Dibromofluoromethane	30.00	29.05	96.8	85 - 115	
1,2-Dichloroethane-d4	30.00	30.61	102	70 - 120	
Toluene-d8	30.00	30.45	102	85 - 120	

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	1010223.D
Sampled:	10/08/12 13:25	Prepared:	10/19/12 16:46	Analyzed:	10/19/12 16:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	1010223.D
Sampled:	10/08/12 13:25	Prepared:	10/19/12 16:46	Analyzed:	10/19/12 16:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.43	94.8	75 - 120	
Dibromofluoromethane	30.00	29.28	97.6	85 - 115	
1,2-Dichloroethane-d4	30.00	32.34	108	70 - 120	
Toluene-d8	30.00	31.54	105	85 - 120	

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	1010225.D
Sampled:	10/08/12 13:25	Prepared:	10/19/12 17:14	Analyzed:	10/19/12 17:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	1010225.D
Sampled:	10/08/12 13:25	Prepared:	10/19/12 17:14	Analyzed:	10/19/12 17:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.77	95.9	75 - 120	
Dibromofluoromethane	30.00	29.27	97.6	85 - 115	
1,2-Dichloroethane-d4	30.00	31.80	106	70 - 120	
Toluene-d8	30.00	30.67	102	85 - 120	

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	1010227.D
Sampled:	10/08/12 11:18	Prepared:	10/19/12 17:41	Analyzed:	10/19/12 17:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	1010227.D
Sampled:	10/08/12 11:18	Prepared:	10/19/12 17:41	Analyzed:	10/19/12 17:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.20	90.7	75 - 120	
Dibromofluoromethane	30.00	29.70	99.0	85 - 115	
1,2-Dichloroethane-d4	30.00	31.13	104	70 - 120	
Toluene-d8	30.00	30.35	101	85 - 120	

ANALYSIS DATA SHEET

GW8231-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-29	File ID:	1010229.D
Sampled:	10/08/12 08:00	Prepared:	10/17/12 12:38	Analyzed:	10/17/12 12:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J17023 Sequence: 2J29205 Calibration: 2291001 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	UX
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

GW8231-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-29	File ID:	1010229.D
Sampled:	10/08/12 08:00	Prepared:	10/17/12 12:38	Analyzed:	10/17/12 12:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J17023 Sequence: 2J29205 Calibration: 2291001 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.77	95.9	75 - 120	
Dibromofluoromethane	30.00	30.18	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.85	103	70 - 120	
Toluene-d8	30.00	29.62	98.7	85 - 120	

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	1013501.D
Sampled:	10/11/12 14:36	Prepared:	10/23/12 15:34	Analyzed:	10/23/12 15:34
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	1013501.D
Sampled:	10/11/12 14:36	Prepared:	10/23/12 15:34	Analyzed:	10/23/12 15:34
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.15	104	75 - 120	
Dibromofluoromethane	30.00	32.89	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.39	101	70 - 120	
Toluene-d8	30.00	30.60	102	85 - 120	

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03	File ID:	1013503.D
Sampled:	10/11/12 11:32	Prepared:	10/23/12 16:03	Analyzed:	10/23/12 16:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
71-43-2	Benzene	**0.810**	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	**1.19**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	**1.06**	0.250	0.500	1.00	
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	**0.670**	0.500	1.00	2.00	XJ
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	**0.430**	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03	File ID:	1013503.D
Sampled:	10/11/12 11:32	Prepared:	10/23/12 16:03	Analyzed:	10/23/12 16:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	**11.0**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**0.600**	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	**1.75**	0.250	0.500	1.00	
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	**0.260**	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.37	105	75 - 120	
Dibromofluoromethane	30.00	31.96	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.22	101	70 - 120	
Toluene-d8	30.00	30.11	100	85 - 120	

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	1013505.D
Sampled:	10/10/12 14:45	Prepared:	10/23/12 09:17	Analyzed:	10/23/12 09:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**2.85**	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	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	UX
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	UX
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	NU
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
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	NU
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	NU
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

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	1013505.D
Sampled:	10/10/12 14:45	Prepared:	10/23/12 09:17	Analyzed:	10/23/12 09:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	NU
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	NU
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	UY
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	NU
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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.45	98.2	75 - 120	
Dibromofluoromethane	30.00	30.07	100	85 - 115	
1,2-Dichloroethane-d4	30.00	31.20	104	70 - 120	
Toluene-d8	30.00	30.52	102	85 - 120	

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	1013507.D
Sampled:	10/10/12 12:16	Prepared:	10/22/12 16:13	Analyzed:	10/22/12 16:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
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	UX
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	UX
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

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	1013507.D
Sampled:	10/10/12 12:16	Prepared:	10/22/12 16:13	Analyzed:	10/22/12 16:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.40	91.3	75 - 120	
Dibromofluoromethane	30.00	29.61	98.7	85 - 115	
1,2-Dichloroethane-d4	30.00	30.62	102	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	1013509.D
Sampled:	10/11/12 15:52	Prepared:	10/23/12 16:32	Analyzed:	10/23/12 16:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	1013509.D
Sampled:	10/11/12 15:52	Prepared:	10/23/12 16:32	Analyzed:	10/23/12 16:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	**0.550**	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		0.250	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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.48	105	75 - 120	
Dibromofluoromethane	30.00	32.97	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.84	103	70 - 120	
Toluene-d8	30.00	30.69	102	85 - 120	

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	1013511.D
Sampled:	10/11/12 13:54	Prepared:	10/23/12 17:00	Analyzed:	10/23/12 17:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	1013511.D
Sampled:	10/11/12 13:54	Prepared:	10/23/12 17:00	Analyzed:	10/23/12 17:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.93	103	75 - 120	
Dibromofluoromethane	30.00	32.86	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.40	101	70 - 120	
Toluene-d8	30.00	30.19	101	85 - 120	

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	1013513.D
Sampled:	10/11/12 13:54	Prepared:	10/23/12 17:29	Analyzed:	10/23/12 17:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	1013513.D
Sampled:	10/11/12 13:54	Prepared:	10/23/12 17:29	Analyzed:	10/23/12 17:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.14	104	75 - 120	
Dibromofluoromethane	30.00	32.40	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.51	102	70 - 120	
Toluene-d8	30.00	30.49	102	85 - 120	

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	1013515.D
Sampled:	10/11/12 11:53	Prepared:	10/23/12 17:58	Analyzed:	10/23/12 17:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	1013515.D
Sampled:	10/11/12 11:53	Prepared:	10/23/12 17:58	Analyzed:	10/23/12 17:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.12	104	75 - 120	
Dibromofluoromethane	30.00	32.36	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.18	101	70 - 120	
Toluene-d8	30.00	30.68	102	85 - 120	

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	1013517.D
Sampled:	10/11/12 12:44	Prepared:	10/23/12 18:26	Analyzed:	10/23/12 18:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	1013517.D
Sampled:	10/11/12 12:44	Prepared:	10/23/12 18:26	Analyzed:	10/23/12 18:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J23004 Sequence: 2J29804 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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.14	104	75 - 120	
Dibromofluoromethane	30.00	32.57	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.60	98.7	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	1013519.D
Sampled:	10/10/12 15:16	Prepared:	10/23/12 09:44	Analyzed:	10/23/12 09:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UX
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	NU
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	UX
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	NUX
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	NU
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

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	1013519.D
Sampled:	10/10/12 15:16	Prepared:	10/23/12 09:44	Analyzed:	10/23/12 09:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UY
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	NU
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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.70	95.7	75 - 120	
Dibromofluoromethane	30.00	29.51	98.4	85 - 115	
1,2-Dichloroethane-d4	30.00	29.78	99.3	70 - 120	
Toluene-d8	30.00	29.75	99.2	85 - 120	

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	1013521.D
Sampled:	10/10/12 10:21	Prepared:	10/23/12 10:12	Analyzed:	10/23/12 10:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UX
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	UX
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	UX
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

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	1013521.D
Sampled:	10/10/12 10:21	Prepared:	10/23/12 10:12	Analyzed:	10/23/12 10:12
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UY
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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.10	93.7	75 - 120	
Dibromofluoromethane	30.00	29.45	98.2	85 - 115	
1,2-Dichloroethane-d4	30.00	30.39	101	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

GW8232-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-23	File ID:	1013523.D
Sampled:	10/10/12 08:00	Prepared:	10/23/12 08:21	Analyzed:	10/23/12 08:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UX
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	UX
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	UX
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

GW8232-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-23	File ID:	1013523.D
Sampled:	10/10/12 08:00	Prepared:	10/23/12 08:21	Analyzed:	10/23/12 08:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UY
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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.70	92.3	75 - 120	
Dibromofluoromethane	30.00	30.32	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.70	99.0	70 - 120	
Toluene-d8	30.00	29.46	98.2	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29205	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29205-CCV1) ug/L				Lab File ID: 1017CCV1.D		Analyzed: 10/17/12 08:56		
Bromofluorobenzene	30.00	100	80 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	80 - 120	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	80 - 120	9.34	9.34	0.0000	+/-1.000	
LCS (2J17023-BS1) ug/L				Lab File ID: 1017LCS1.D		Analyzed: 10/17/12 09:24		
Bromofluorobenzene	30.00	99.9	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.34	9.34	0.0000	+/-1.000	
Blank (2J17023-BLK1) ug/L				Lab File ID: 1017BLK1.D		Analyzed: 10/17/12 10:47		
Bromofluorobenzene	30.00	96.1	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.34	9.34	0.0000	+/-1.000	
GW8231-TB (1210102-29) ug/L				Lab File ID: 1010229.D		Analyzed: 10/17/12 12:38		
Bromofluorobenzene	30.00	95.9	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	85 - 120	9.35	9.34	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29605	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29605-CCV1) ug/L				Lab File ID: 1019CCV1.D		Analyzed: 10/19/12 09:45		
Bromofluorobenzene	30.00	101	80 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.1	80 - 120	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	103	80 - 120	9.35	9.35	0.0000	+/-1.000	
LCS (2J19013-BS1) ug/L				Lab File ID: 1019LCS1.D		Analyzed: 10/19/12 10:13		
Bromofluorobenzene	30.00	99.9	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.6	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.35	9.35	0.0000	+/-1.000	
Blank (2J19013-BLK1) ug/L				Lab File ID: 1019BLK1.D		Analyzed: 10/19/12 11:37		
Bromofluorobenzene	30.00	95.5	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.5	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.34	9.35	-0.0100	+/-1.000	
GW0782 (1210102-13) ug/L				Lab File ID: 1010213.D		Analyzed: 10/19/12 14:27		
Bromofluorobenzene	30.00	93.2	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	6.59	6.6	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.11	7.1	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.34	9.35	-0.0100	+/-1.000	
GW0783 (1210102-15) ug/L				Lab File ID: 1010215.D		Analyzed: 10/19/12 14:55		
Bromofluorobenzene	30.00	95.1	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.0	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.34	9.35	-0.0100	+/-1.000	
GW0784 (1210102-17) ug/L				Lab File ID: 1010217.D		Analyzed: 10/19/12 15:23		
Bromofluorobenzene	30.00	94.7	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.2	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.35	9.35	0.0000	+/-1.000	
GW0785 (1210102-19) ug/L				Lab File ID: 1010219.D		Analyzed: 10/19/12 15:50		
Bromofluorobenzene	30.00	97.3	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.1	85 - 115	6.59	6.6	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.11	7.1	0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.34	9.35	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29605	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0795 (1210102-21) ug/L				Lab File ID: 1010221.D		Analyzed: 10/19/12 16:18		
Bromofluorobenzene	30.00	93.7	75 - 120	11.98	11.97	0.0100	+/-1.000	
Dibromofluoromethane	30.00	96.8	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.35	9.35	0.0000	+/-1.000	
GW0796 (1210102-23) ug/L				Lab File ID: 1010223.D		Analyzed: 10/19/12 16:46		
Bromofluorobenzene	30.00	94.8	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.6	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.35	9.35	0.0000	+/-1.000	
GW0797 (1210102-25) ug/L				Lab File ID: 1010225.D		Analyzed: 10/19/12 17:14		
Bromofluorobenzene	30.00	95.9	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.6	85 - 115	6.6	6.6	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.34	9.35	-0.0100	+/-1.000	
GW0798 (1210102-27) ug/L				Lab File ID: 1010227.D		Analyzed: 10/19/12 17:41		
Bromofluorobenzene	30.00	90.7	75 - 120	11.97	11.97	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.0	85 - 115	6.59	6.6	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.1	7.1	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.34	9.35	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29703	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29703-CCV1) ug/L				Lab File ID: 1022CCV1.D		Analyzed: 10/22/12 07:24		
Bromofluorobenzene	30.00	99.2	80 - 120	11.96	11.96	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.58	6.58	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	98.9	80 - 120	9.33	9.33	0.0000	+/-1.000	
LCS (2J22013-BS1) ug/L				Lab File ID: 1022LCS1.D		Analyzed: 10/22/12 07:52		
Bromofluorobenzene	30.00	98.2	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	99.9	85 - 120	9.33	9.33	0.0000	+/-1.000	
Blank (2J22013-BLK1) ug/L				Lab File ID: 1022BLK1.D		Analyzed: 10/22/12 09:15		
Bromofluorobenzene	30.00	93.7	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.32	9.33	-0.0100	+/-1.000	
GW0747 (1210102-01) ug/L				Lab File ID: 1010201.D		Analyzed: 10/22/12 09:44		
Bromofluorobenzene	30.00	92.7	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	98.6	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.32	9.33	-0.0100	+/-1.000	
GW0753 (1210102-03) ug/L				Lab File ID: 1010203.D		Analyzed: 10/22/12 10:12		
Bromofluorobenzene	30.00	92.6	75 - 120	11.94	11.96	-0.0200	+/-1.000	
Dibromofluoromethane	30.00	98.5	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.32	9.33	-0.0100	+/-1.000	
GW0769 (1210102-05) ug/L				Lab File ID: 1010205D.D		Analyzed: 10/22/12 10:40		
Bromofluorobenzene	30.00	92.7	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	97.2	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.3	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.32	9.33	-0.0100	+/-1.000	
GW0770 (1210102-07) ug/L				Lab File ID: 1010207D.D		Analyzed: 10/22/12 11:07		
Bromofluorobenzene	30.00	92.6	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.2	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.32	9.33	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29703	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0771 (1210102-09) ug/L				Lab File ID: 1010209.D		Analyzed: 10/22/12 11:35		
Bromofluorobenzene	30.00	94.6	75 - 120	11.94	11.96	-0.0200	+/-1.000	
Dibromofluoromethane	30.00	97.7	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.32	9.33	-0.0100	+/-1.000	
GW0778 (1210102-11) ug/L				Lab File ID: 1010211.D		Analyzed: 10/22/12 12:03		
Bromofluorobenzene	30.00	91.9	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	9.33	9.33	0.0000	+/-1.000	
GW0794 (1210135-07) ug/L				Lab File ID: 1013507.D		Analyzed: 10/22/12 16:13		
Bromofluorobenzene	30.00	91.3	75 - 120	11.95	11.96	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	98.7	85 - 115	6.57	6.58	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.32	9.33	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29801	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29801-CCV1) ug/L				Lab File ID: 1023CCV1.D		Analyzed: 10/23/12 06:03		
Bromofluorobenzene	30.00	100	80 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	80 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	99.9	80 - 120	9.32	9.32	0.0000	+/-1.000	
LCS (2J22015-BS1) ug/L				Lab File ID: 1023LCS1.D		Analyzed: 10/23/12 06:30		
Bromofluorobenzene	30.00	97.9	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	85 - 120	9.32	9.32	0.0000	+/-1.000	
Blank (2J22015-BLK1) ug/L				Lab File ID: 1023BLK1.D		Analyzed: 10/23/12 07:53		
Bromofluorobenzene	30.00	95.1	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.7	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.32	9.32	0.0000	+/-1.000	
GW8232-TB (1210135-23) ug/L				Lab File ID: 1013523.D		Analyzed: 10/23/12 08:21		
Bromofluorobenzene	30.00	92.3	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.0	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	98.2	85 - 120	9.31	9.32	-0.0100	+/-1.000	
GW0793 (1210135-05) ug/L				Lab File ID: 1013505.D		Analyzed: 10/23/12 09:17		
Bromofluorobenzene	30.00	98.2	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.32	9.32	0.0000	+/-1.000	
GW0869 (1210135-19) ug/L				Lab File ID: 1013519.D		Analyzed: 10/23/12 09:44		
Bromofluorobenzene	30.00	95.7	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.4	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	99.2	85 - 120	9.32	9.32	0.0000	+/-1.000	
GW0870 (1210135-21) ug/L				Lab File ID: 1013521.D		Analyzed: 10/23/12 10:12		
Bromofluorobenzene	30.00	93.7	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.2	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.32	9.32	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29801	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike (2J22015-MS1) ug/L				Lab File ID: 1013505M.D		Analyzed: 10/23/12 15:45		
Bromofluorobenzene	30.00	100	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.9	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.2	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.32	9.32	0.0000	+/-1.000	
Matrix Spike Dup (2J22015-MSD1) ug/L				Lab File ID: 1013505D.D		Analyzed: 10/23/12 16:13		
Bromofluorobenzene	30.00	97.3	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.32	9.32	0.0000	+/-1.000	
Matrix Spike (2J22015-MS2) ug/L				Lab File ID: 1013519M.D		Analyzed: 10/23/12 16:41		
Bromofluorobenzene	30.00	98.1	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	85 - 120	9.32	9.32	0.0000	+/-1.000	
Matrix Spike Dup (2J22015-MSD2) ug/L				Lab File ID: 1013519S.D		Analyzed: 10/23/12 17:08		
Bromofluorobenzene	30.00	96.9	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.2	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.32	9.32	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29804	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29804-CCV1) ug/L				Lab File ID: 1023CCV1.D		Analyzed: 10/23/12 10:18		
Bromofluorobenzene	30.00	105	80 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.46	9.46	0.0000	+/-1.000	
LCS (2J23004-BS1) ug/L				Lab File ID: 1023LCS1.D		Analyzed: 10/23/12 10:47		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
Blank (2J23004-BLK1) ug/L				Lab File ID: 1023BLK1.D		Analyzed: 10/23/12 12:13		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0767 (1210135-01) ug/L				Lab File ID: 1013501.D		Analyzed: 10/23/12 15:34		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0768 (1210135-03) ug/L				Lab File ID: 1013503.D		Analyzed: 10/23/12 16:03		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.76	6.75	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0844 (1210135-09) ug/L				Lab File ID: 1013509.D		Analyzed: 10/23/12 16:32		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0845 (1210135-11) ug/L				Lab File ID: 1013511.D		Analyzed: 10/23/12 17:00		
Bromofluorobenzene	30.00	103	75 - 120	12.09	12.08	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.76	6.75	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.47	9.46	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29804	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0846 (1210135-13) ug/L				Lab File ID: 1013513.D		Analyzed: 10/23/12 17:29		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.76	6.75	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0847 (1210135-15) ug/L				Lab File ID: 1013515.D		Analyzed: 10/23/12 17:58		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0868 (1210135-17) ug/L				Lab File ID: 1013517.D		Analyzed: 10/23/12 18:26		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.7	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.47	9.46	0.0100	+/-1.000	
LCS Dup (2J23004-BSD1) ug/L				Lab File ID: 1023LCD1.D		Analyzed: 10/23/12 22:16		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.76	6.75	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17023	Laboratory ID:	2J17023-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	50.00	49.1	98.2	40 - 140
Benzene	25.00	24.2	96.7	80 - 120
Bromobenzene	25.00	21.7	86.8	75 - 125
Bromochloromethane	25.00	23.7	95.0	65 - 130
Bromodichloromethane	25.00	25.1	100	75 - 120
Bromoform	25.00	23.7	94.8	70 - 130
Bromomethane	25.00	24.7	99.0	30 - 145
n-Butylbenzene	25.00	25.8	103	70 - 135
2-Butanone	50.00	59.2	118	30 - 150
sec-Butylbenzene	25.00	24.8	99.0	70 - 125
tert-Butylbenzene	25.00	24.0	95.8	70 - 130
Carbon disulfide	25.00	26.1	104	35 - 160
Carbon tetrachloride	25.00	24.2	96.6	65 - 140
Chlorobenzene	25.00	23.0	91.9	80 - 120
Chloroethane	25.00	24.5	98.0	60 - 135
Chloroform	25.00	23.1	92.5	65 - 135
Chloromethane	25.00	23.2	92.8	40 - 125
2-Chlorotoluene	25.00	22.9	91.7	75 - 125
4-Chlorotoluene	25.00	23.8	95.1	75 - 130
Dibromochloromethane	25.00	24.9	99.6	60 - 135
1,2-Dibromo-3-chloropropane	25.00	27.1	109	50 - 130
1,2-Dibromoethane (EDB)	25.00	23.1	92.3	80 - 120
Dibromomethane	25.00	24.9	99.7	75 - 125
1,2-Dichlorobenzene	25.00	22.3	89.4	70 - 120
1,3-Dichlorobenzene	25.00	22.2	88.8	75 - 125
1,4-Dichlorobenzene	25.00	22.6	90.4	75 - 125
Dichlorodifluoromethane	25.00	25.9	104	30 - 155
1,1-Dichloroethane	25.00	24.0	96.0	70 - 135
1,2-Dichloroethane	25.00	24.2	97.0	70 - 130
1,1-Dichloroethene	25.00	25.2	101	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17023	Laboratory ID:	2J17023-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	25.00	23.8	95.4	70 - 125
trans-1,2-Dichloroethene	25.00	24.2	97.0	60 - 140
1,2-Dichloropropane	25.00	23.7	94.9	75 - 125
1,3-Dichloropropane	25.00	24.2	97.0	75 - 125
2,2-Dichloropropane	25.00	26.2	105	70 - 135
1,1-Dichloropropene	25.00	24.6	98.3	75 - 130
cis-1,3-Dichloropropene	25.00	24.6	98.2	70 - 130
trans-1,3-Dichloropropene	25.00	25.4	102	55 - 140
Ethylbenzene	25.00	24.3	97.1	75 - 125
Hexachlorobutadiene	25.00	25.8	103	50 - 140
2-Hexanone	50.00	59.8	120	55 - 130
Isopropylbenzene	25.00	24.7	98.6	75 - 125
p-Isopropyltoluene	25.00	24.4	97.4	75 - 130
Methylene chloride	25.00	23.0	92.0	55 - 140
Naphthalene	25.00	26.1	104	55 - 140
4-Methyl-2-pentanone	50.00	64.8	130	60 - 135
Methyl t-Butyl Ether	25.00	25.7	103	65 - 125
n-Propylbenzene	25.00	24.4	97.8	70 - 130
Styrene	25.00	24.5	98.0	65 - 135
1,1,2,2-Tetrachloroethane	25.00	22.8	91.2	65 - 130
1,1,1,2-Tetrachloroethane	25.00	23.4	93.8	80 - 130
Tetrachloroethene	25.00	21.9	87.7	45 - 150
Toluene	25.00	23.4	93.8	75 - 120
1,2,3-Trichlorobenzene	25.00	25.5	102	55 - 140
1,2,4-Trichlorobenzene	25.00	23.9	95.8	65 - 135
1,1,2-Trichloroethane	25.00	22.8	91.3	75 - 125
1,1,1-Trichloroethane	25.00	24.6	98.2	65 - 130
Trichloroethene	25.00	23.6	94.3	70 - 125
Trichlorofluoromethane	25.00	24.3	97.1	60 - 145
1,2,3-Trichloropropane	25.00	24.0	95.8	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17023	Laboratory ID:	2J17023-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	25.00	24.2	97.0	75 - 130
1,2,4-Trimethylbenzene	25.00	25.1	101	75 - 130
Vinyl chloride	25.00	29.2	117	50 - 145
Xylenes (total)	75.00	74.0	98.7	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19013	Laboratory ID:	2J19013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	81.7	81.7	40 - 140
Benzene	50.00	48.7	97.4	80 - 120
Bromobenzene	50.00	44.6	89.2	75 - 125
Bromochloromethane	50.00	48.0	96.0	65 - 130
Bromodichloromethane	50.00	47.2	94.4	75 - 120
Bromoform	50.00	47.4	94.9	70 - 130
Bromomethane	50.00	43.3	86.5	30 - 145
n-Butylbenzene	50.00	55.7	111	70 - 135
2-Butanone	100.0	96.2	96.2	30 - 150
sec-Butylbenzene	50.00	51.6	103	70 - 125
tert-Butylbenzene	50.00	49.9	99.7	70 - 130
Carbon disulfide	50.00	52.7	105	35 - 160
Carbon tetrachloride	50.00	48.2	96.5	65 - 140
Chlorobenzene	50.00	48.7	97.3	80 - 120
Chloroethane	50.00	51.8	104	60 - 135
Chloroform	50.00	44.4	88.9	65 - 135
Chloromethane	50.00	49.2	98.3	40 - 125
2-Chlorotoluene	50.00	45.8	91.6	75 - 125
4-Chlorotoluene	50.00	47.9	95.8	75 - 130
Dibromochloromethane	50.00	50.2	100	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.6	101	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.3	96.6	80 - 120
Dibromomethane	50.00	48.2	96.4	75 - 125
1,2-Dichlorobenzene	50.00	46.7	93.4	70 - 120
1,3-Dichlorobenzene	50.00	45.8	91.5	75 - 125
1,4-Dichlorobenzene	50.00	46.6	93.3	75 - 125
Dichlorodifluoromethane	50.00	58.7	117	30 - 155
1,1-Dichloroethane	50.00	47.2	94.4	70 - 135
1,2-Dichloroethane	50.00	43.3	86.5	70 - 130
1,1-Dichloroethene	50.00	49.1	98.1	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19013	Laboratory ID:	2J19013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	47.1	94.2	70 - 125
trans-1,2-Dichloroethene	50.00	48.1	96.2	60 - 140
1,2-Dichloropropane	50.00	47.6	95.3	75 - 125
1,3-Dichloropropane	50.00	50.1	100	75 - 125
2,2-Dichloropropane	50.00	46.1	92.2	70 - 135
1,1-Dichloropropene	50.00	47.7	95.5	75 - 130
cis-1,3-Dichloropropene	50.00	49.4	98.8	70 - 130
trans-1,3-Dichloropropene	50.00	49.5	99.0	55 - 140
Ethylbenzene	50.00	49.2	98.4	75 - 125
Hexachlorobutadiene	50.00	51.6	103	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	49.8	99.6	75 - 125
p-Isopropyltoluene	50.00	51.8	104	75 - 130
Methylene chloride	50.00	47.1	94.2	55 - 140
Naphthalene	50.00	53.0	106	55 - 140
4-Methyl-2-pentanone	100.0	106	106	60 - 135
Methyl t-Butyl Ether	50.00	48.2	96.4	65 - 125
n-Propylbenzene	50.00	49.0	98.0	70 - 130
Styrene	50.00	51.8	104	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.4	94.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.9	95.9	80 - 130
Tetrachloroethene	50.00	46.6	93.3	45 - 150
Toluene	50.00	48.7	97.4	75 - 120
1,2,3-Trichlorobenzene	50.00	53.6	107	55 - 140
1,2,4-Trichlorobenzene	50.00	50.4	101	65 - 135
1,1,2-Trichloroethane	50.00	48.6	97.2	75 - 125
1,1,1-Trichloroethane	50.00	45.1	90.2	65 - 130
Trichloroethene	50.00	46.0	91.9	70 - 125
Trichlorofluoromethane	50.00	44.7	89.4	60 - 145
1,2,3-Trichloropropane	50.00	49.5	99.0	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19013	Laboratory ID:	2J19013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.0	98.1	75 - 130
1,2,4-Trimethylbenzene	50.00	52.2	104	75 - 130
Vinyl chloride	50.00	44.6	89.2	50 - 145
Xylenes (total)	150.0	150	99.9	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22013	Laboratory ID:	2J22013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	85.2	85.2	40 - 140
Benzene	50.00	48.5	97.0	80 - 120
Bromobenzene	50.00	44.4	88.9	75 - 125
Bromochloromethane	50.00	47.7	95.4	65 - 130
Bromodichloromethane	50.00	50.7	101	75 - 120
Bromoform	50.00	45.2	90.4	70 - 130
Bromomethane	50.00	47.7	95.4	30 - 145
n-Butylbenzene	50.00	55.7	111	70 - 135
2-Butanone	100.0	100	100	30 - 150
sec-Butylbenzene	50.00	50.3	101	70 - 125
tert-Butylbenzene	50.00	49.2	98.4	70 - 130
Carbon disulfide	50.00	53.2	106	35 - 160
Carbon tetrachloride	50.00	48.8	97.6	65 - 140
Chlorobenzene	50.00	47.2	94.5	80 - 120
Chloroethane	50.00	55.4	111	60 - 135
Chloroform	50.00	46.1	92.2	65 - 135
Chloromethane	50.00	52.6	105	40 - 125
2-Chlorotoluene	50.00	46.9	93.8	75 - 125
4-Chlorotoluene	50.00	48.9	97.8	75 - 130
Dibromochloromethane	50.00	49.4	98.9	60 - 135
1,2-Dibromo-3-chloropropane	50.00	52.9	106	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.3	92.5	80 - 120
Dibromomethane	50.00	49.6	99.1	75 - 125
1,2-Dichlorobenzene	50.00	46.8	93.6	70 - 120
1,3-Dichlorobenzene	50.00	45.8	91.7	75 - 125
1,4-Dichlorobenzene	50.00	46.1	92.2	75 - 125
Dichlorodifluoromethane	50.00	61.4	123	30 - 155
1,1-Dichloroethane	50.00	48.3	96.6	70 - 135
1,2-Dichloroethane	50.00	47.7	95.3	70 - 130
1,1-Dichloroethene	50.00	51.1	102	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22013	Laboratory ID:	2J22013-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	48.1	96.2	70 - 125
trans-1,2-Dichloroethene	50.00	48.1	96.3	60 - 140
1,2-Dichloropropane	50.00	48.3	96.6	75 - 125
1,3-Dichloropropane	50.00	48.5	97.0	75 - 125
2,2-Dichloropropane	50.00	50.4	101	70 - 135
1,1-Dichloropropene	50.00	49.0	98.0	75 - 130
cis-1,3-Dichloropropene	50.00	51.2	102	70 - 130
trans-1,3-Dichloropropene	50.00	50.7	101	55 - 140
Ethylbenzene	50.00	48.2	96.4	75 - 125
Hexachlorobutadiene	50.00	48.5	97.0	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	48.5	97.0	75 - 125
p-Isopropyltoluene	50.00	51.4	103	75 - 130
Methylene chloride	50.00	47.9	95.8	55 - 140
Naphthalene	50.00	52.2	104	55 - 140
4-Methyl-2-pentanone	100.0	110	110	60 - 135
Methyl t-Butyl Ether	50.00	50.2	100	65 - 125
n-Propylbenzene	50.00	49.0	98.1	70 - 130
Styrene	50.00	49.6	99.3	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.7	95.4	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.4	92.8	80 - 130
Tetrachloroethene	50.00	43.9	87.8	45 - 150
Toluene	50.00	47.6	95.1	75 - 120
1,2,3-Trichlorobenzene	50.00	49.4	98.7	55 - 140
1,2,4-Trichlorobenzene	50.00	49.3	98.7	65 - 135
1,1,2-Trichloroethane	50.00	47.2	94.4	75 - 125
1,1,1-Trichloroethane	50.00	47.2	94.4	65 - 130
Trichloroethene	50.00	47.5	95.0	70 - 125
Trichlorofluoromethane	50.00	48.5	96.9	60 - 145
1,2,3-Trichloropropane	50.00	47.0	94.1	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22013	Laboratory ID:	2J22013-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	49.2	98.3	75 - 130
1,2,4-Trimethylbenzene	50.00	52.2	104	75 - 130
Vinyl chloride	50.00	50.0	100	50 - 145
Xylenes (total)	150.0	148	98.9	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22015	Laboratory ID:	2J22015-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	82.4	82.4	40 - 140
Benzene	50.00	49.0	98.0	80 - 120
Bromobenzene	50.00	43.1	86.1	75 - 125
Bromochloromethane	50.00	47.6	95.1	65 - 130
Bromodichloromethane	50.00	49.1	98.1	75 - 120
Bromoform	50.00	43.4	86.8	70 - 130
Bromomethane	50.00	47.7	95.4	30 - 145
n-Butylbenzene	50.00	56.7	113	70 - 135
2-Butanone	100.0	99.0	99.0	30 - 150
sec-Butylbenzene	50.00	50.9	102	70 - 125
tert-Butylbenzene	50.00	50.2	100	70 - 130
Carbon disulfide	50.00	52.6	105	35 - 160
Carbon tetrachloride	50.00	47.8	95.5	65 - 140
Chlorobenzene	50.00	46.8	93.6	80 - 120
Chloroethane	50.00	53.4	107	60 - 135
Chloroform	50.00	46.6	93.2	65 - 135
Chloromethane	50.00	51.8	104	40 - 125
2-Chlorotoluene	50.00	46.8	93.7	75 - 125
4-Chlorotoluene	50.00	48.8	97.5	75 - 130
Dibromochloromethane	50.00	47.8	95.6	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.9	91.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.6	91.2	80 - 120
Dibromomethane	50.00	49.3	98.7	75 - 125
1,2-Dichlorobenzene	50.00	45.1	90.2	70 - 120
1,3-Dichlorobenzene	50.00	45.8	91.5	75 - 125
1,4-Dichlorobenzene	50.00	45.5	91.0	75 - 125
Dichlorodifluoromethane	50.00	61.0	122	30 - 155
1,1-Dichloroethane	50.00	49.3	98.6	70 - 135
1,2-Dichloroethane	50.00	48.3	96.7	70 - 130
1,1-Dichloroethene	50.00	51.3	103	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22015	Laboratory ID:	2J22015-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.2	96.4	70 - 125
trans-1,2-Dichloroethene	50.00	48.6	97.3	60 - 140
1,2-Dichloropropane	50.00	48.4	96.9	75 - 125
1,3-Dichloropropane	50.00	47.9	95.8	75 - 125
2,2-Dichloropropane	50.00	51.2	102	70 - 135
1,1-Dichloropropene	50.00	49.2	98.4	75 - 130
cis-1,3-Dichloropropene	50.00	50.6	101	70 - 130
trans-1,3-Dichloropropene	50.00	49.9	99.8	55 - 140
Ethylbenzene	50.00	48.4	96.7	75 - 125
Hexachlorobutadiene	50.00	48.8	97.5	50 - 140
2-Hexanone	100.0	98.0	98.0	55 - 130
Isopropylbenzene	50.00	49.0	97.9	75 - 125
p-Isopropyltoluene	50.00	51.8	104	75 - 130
Methylene chloride	50.00	47.0	94.1	55 - 140
Naphthalene	50.00	49.2	98.5	55 - 140
4-Methyl-2-pentanone	100.0	106	106	60 - 135
Methyl t-Butyl Ether	50.00	49.4	98.8	65 - 125
n-Propylbenzene	50.00	49.5	99.0	70 - 130
Styrene	50.00	50.6	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	45.1	90.3	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.2	92.4	80 - 130
Tetrachloroethene	50.00	44.3	88.5	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	48.3	96.7	65 - 135
1,1,2-Trichloroethane	50.00	46.7	93.4	75 - 125
1,1,1-Trichloroethane	50.00	46.7	93.3	65 - 130
Trichloroethene	50.00	47.4	94.7	70 - 125
Trichlorofluoromethane	50.00	49.5	98.9	60 - 145
1,2,3-Trichloropropane	50.00	44.9	89.8	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22015	Laboratory ID:	2J22015-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	49.8	99.7	75 - 130
1,2,4-Trimethylbenzene	50.00	53.4	107	75 - 130
Vinyl chloride	50.00	51.4	103	50 - 145
Xylenes (total)	150.0	149	99.4	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23004	Laboratory ID:	2J23004-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	79.8	79.8	40 - 140
Benzene	50.00	44.5	89.0	80 - 120
Bromobenzene	50.00	45.8	91.6	75 - 125
Bromochloromethane	50.00	50.6	101	65 - 130
Bromodichloromethane	50.00	49.6	99.2	75 - 120
Bromoform	50.00	53.2	106	70 - 130
Bromomethane	50.00	47.8	95.6	30 - 145
n-Butylbenzene	50.00	43.1	86.2	70 - 135
2-Butanone	100.0	87.2	87.2	30 - 150
sec-Butylbenzene	50.00	41.9	83.8	70 - 125
tert-Butylbenzene	50.00	46.7	93.4	70 - 130
Carbon disulfide	50.00	39.2	78.4	35 - 160
Carbon tetrachloride	50.00	56.1	112	65 - 140
Chlorobenzene	50.00	44.3	88.6	80 - 120
Chloroethane	50.00	46.4	92.9	60 - 135
Chloroform	50.00	46.3	92.6	65 - 135
Chloromethane	50.00	40.7	81.4	40 - 125
2-Chlorotoluene	50.00	40.8	81.6	75 - 125
4-Chlorotoluene	50.00	40.9	81.8	75 - 130
Dibromochloromethane	50.00	51.0	102	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.9	97.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.6	95.2	80 - 120
Dibromomethane	50.00	46.0	92.0	75 - 125
1,2-Dichlorobenzene	50.00	44.0	88.0	70 - 120
1,3-Dichlorobenzene	50.00	43.9	87.8	75 - 125
1,4-Dichlorobenzene	50.00	48.0	96.0	75 - 125
Dichlorodifluoromethane	50.00	49.4	98.8	30 - 155
1,1-Dichloroethane	50.00	45.1	90.3	70 - 135
1,2-Dichloroethane	50.00	50.3	101	70 - 130
1,1-Dichloroethene	50.00	41.7	83.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23004	Laboratory ID:	2J23004-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	46.9	93.8	70 - 125
trans-1,2-Dichloroethene	50.00	44.5	89.1	60 - 140
1,2-Dichloropropane	50.00	45.6	91.2	75 - 125
1,3-Dichloropropane	50.00	46.9	93.8	75 - 125
2,2-Dichloropropane	50.00	53.2	106	70 - 135
1,1-Dichloropropene	50.00	45.2	90.4	75 - 130
cis-1,3-Dichloropropene	50.00	54.0	108	70 - 130
trans-1,3-Dichloropropene	50.00	49.3	98.6	55 - 140
Ethylbenzene	50.00	46.1	92.1	75 - 125
Hexachlorobutadiene	50.00	45.9	91.8	50 - 140
2-Hexanone	100.0	96.4	96.4	55 - 130
Isopropylbenzene	50.00	48.1	96.3	75 - 125
p-Isopropyltoluene	50.00	45.9	91.8	75 - 130
Methylene chloride	50.00	41.8	83.7	55 - 140
Naphthalene	50.00	46.8	93.7	55 - 140
4-Methyl-2-pentanone	100.0	99.2	99.2	60 - 135
Methyl t-Butyl Ether	50.00	48.2	96.3	65 - 125
n-Propylbenzene	50.00	40.1	80.2	70 - 130
Styrene	50.00	48.9	97.7	65 - 135
1,1,2,2-Tetrachloroethane	50.00	41.4	82.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.4	109	80 - 130
Tetrachloroethene	50.00	46.4	92.8	45 - 150
Toluene	50.00	46.8	93.6	75 - 120
1,2,3-Trichlorobenzene	50.00	44.6	89.1	55 - 140
1,2,4-Trichlorobenzene	50.00	44.5	88.9	65 - 135
1,1,2-Trichloroethane	50.00	45.3	90.7	75 - 125
1,1,1-Trichloroethane	50.00	52.2	104	65 - 130
Trichloroethene	50.00	47.0	93.9	70 - 125
Trichlorofluoromethane	50.00	45.4	90.9	60 - 145
1,2,3-Trichloropropane	50.00	50.6	101	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23004	Laboratory ID:	2J23004-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	47.4	94.7	75 - 130
1,2,4-Trimethylbenzene	50.00	47.1	94.1	75 - 130
Vinyl chloride	50.00	60.6	121	50 - 145
Xylenes (total)	150.0	135	90.0	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	83.3	83.3	4.27	30	40 - 140
Benzene	50.00	44.6	89.1	0.135	30	80 - 120
Bromobenzene	50.00	45.6	91.2	0.416	30	75 - 125
Bromochloromethane	50.00	50.4	101	0.416	30	65 - 130
Bromodichloromethane	50.00	50.3	101	1.28	30	75 - 120
Bromoform	50.00	51.3	103	3.77	30	70 - 130
Bromomethane	50.00	49.8	99.6	4.04	30	30 - 145
n-Butylbenzene	50.00	41.5	82.9	3.83	30	70 - 135
2-Butanone	100.0	88.4	88.4	1.33	30	30 - 150
sec-Butylbenzene	50.00	41.5	83.0	1.03	30	70 - 125
tert-Butylbenzene	50.00	45.6	91.1	2.49	30	70 - 130
Carbon disulfide	50.00	38.4	76.9	1.98	30	35 - 160
Carbon tetrachloride	50.00	56.9	114	1.42	30	65 - 140
Chlorobenzene	50.00	44.1	88.3	0.362	30	80 - 120
Chloroethane	50.00	46.6	93.2	0.387	30	60 - 135
Chloroform	50.00	47.1	94.1	1.69	30	65 - 135
Chloromethane	50.00	40.2	80.3	1.31	30	40 - 125
2-Chlorotoluene	50.00	41.3	82.6	1.24	30	75 - 125
4-Chlorotoluene	50.00	40.6	81.3	0.638	30	75 - 130
Dibromochloromethane	50.00	50.1	100	1.96	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.7	93.4	4.54	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.8	93.6	1.72	30	80 - 120
Dibromomethane	50.00	45.8	91.7	0.348	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23004	Laboratory ID:	2J23004-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	42.7	85.5	2.93	30	70 - 120
1,3-Dichlorobenzene	50.00	42.7	85.5	2.65	30	75 - 125
1,4-Dichlorobenzene	50.00	47.0	94.1	2.06	30	75 - 125
Dichlorodifluoromethane	50.00	50.2	100	1.51	30	30 - 155
1,1-Dichloroethane	50.00	44.9	89.9	0.444	30	70 - 135
1,2-Dichloroethane	50.00	51.4	103	2.12	30	70 - 130
1,1-Dichloroethene	50.00	39.3	78.6	5.83	30	70 - 130
cis-1,2-Dichloroethene	50.00	47.2	94.3	0.595	30	70 - 125
trans-1,2-Dichloroethene	50.00	43.5	86.9	2.43	30	60 - 140
1,2-Dichloropropane	50.00	45.8	91.7	0.525	30	75 - 125
1,3-Dichloropropane	50.00	46.3	92.5	1.37	30	75 - 125
2,2-Dichloropropane	50.00	44.8	89.5	17.3	30	70 - 135
1,1-Dichloropropene	50.00	45.5	90.9	0.618	30	75 - 130
cis-1,3-Dichloropropene	50.00	51.8	104	4.14	30	70 - 130
trans-1,3-Dichloropropene	50.00	47.5	95.1	3.70	30	55 - 140
Ethylbenzene	50.00	46.0	91.9	0.217	30	75 - 125
Hexachlorobutadiene	50.00	44.0	88.0	4.27	30	50 - 140
2-Hexanone	100.0	103	103	6.53	30	55 - 130
Isopropylbenzene	50.00	48.5	96.9	0.683	30	75 - 125
p-Isopropyltoluene	50.00	44.6	89.2	2.81	30	75 - 130
Methylene chloride	50.00	41.1	82.2	1.83	30	55 - 140
Naphthalene	50.00	44.6	89.3	4.77	30	55 - 140
4-Methyl-2-pentanone	100.0	105	105	5.75	30	60 - 135
Methyl t-Butyl Ether	50.00	47.1	94.3	2.14	30	65 - 125
n-Propylbenzene	50.00	39.6	79.3	1.18	30	70 - 130
Styrene	50.00	48.4	96.7	1.01	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	40.3	80.6	2.72	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.0	110	1.23	30	80 - 130
Tetrachloroethene	50.00	45.2	90.4	2.66	30	45 - 150
Toluene	50.00	46.3	92.6	1.01	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23004	Laboratory ID:	2J23004-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	43.5	86.9	2.52	30	55 - 140
1,2,4-Trichlorobenzene	50.00	42.8	85.7	3.73	30	65 - 135
1,1,2-Trichloroethane	50.00	44.3	88.6	2.34	30	75 - 125
1,1,1-Trichloroethane	50.00	53.7	107	2.91	30	65 - 130
Trichloroethene	50.00	48.0	96.0	2.23	30	70 - 125
Trichlorofluoromethane	50.00	47.4	94.8	4.22	30	60 - 145
1,2,3-Trichloropropane	50.00	50.2	100	0.913	30	75 - 125
1,3,5-Trimethylbenzene	50.00	47.5	95.0	0.316	30	75 - 130
1,2,4-Trimethylbenzene	50.00	46.6	93.3	0.875	30	75 - 130
Vinyl chloride	50.00	62.5	125	2.99	30	50 - 145
Xylenes (total)	150.0	135	90.1	0.200	30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	2.85	84.1	81.2		40 - 140
Benzene	50.00	ND	44.5	89.0		80 - 120
Bromobenzene	50.00	ND	39.2	78.4		75 - 125
Bromochloromethane	50.00	ND	46.7	93.4		65 - 130
Bromodichloromethane	50.00	ND	47.5	95.0		75 - 120
Bromoform	50.00	ND	42.8	85.6		70 - 130
Bromomethane	50.00	ND	41.5	83.0		30 - 145
n-Butylbenzene	50.00	ND	35.4	70.9		70 - 135
2-Butanone	100.0	ND	90.8	90.8		30 - 150
sec-Butylbenzene	50.00	ND	35.4	70.7		70 - 125
tert-Butylbenzene	50.00	ND	36.3	72.7		70 - 130
Carbon disulfide	50.00	ND	40.5	81.0		35 - 160
Carbon tetrachloride	50.00	ND	33.8	67.6		65 - 140
Chlorobenzene	50.00	ND	42.3	84.6		80 - 120
Chloroethane	50.00	ND	47.7	95.4		60 - 135
Chloroform	50.00	ND	43.1	86.3		65 - 135
Chloromethane	50.00	ND	48.1	96.2		40 - 125
2-Chlorotoluene	50.00	ND	37.8	75.6		75 - 125
4-Chlorotoluene	50.00	ND	39.2	78.4		75 - 130
Dibromochloromethane	50.00	ND	47.7	95.3		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	48.8	97.6		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	47.4	94.7		80 - 120
Dibromomethane	50.00	ND	48.1	96.2		75 - 125
1,2-Dichlorobenzene	50.00	ND	39.9	79.8		70 - 120
1,3-Dichlorobenzene	50.00	ND	37.3	74.6	*	75 - 125
1,4-Dichlorobenzene	50.00	ND	38.8	77.5		75 - 125
Dichlorodifluoromethane	50.00	ND	35.3	70.7		30 - 155
1,1-Dichloroethane	50.00	ND	45.4	90.9		70 - 135
1,2-Dichloroethane	50.00	ND	45.4	90.8		70 - 130
1,1-Dichloroethene	50.00	ND	37.7	75.4		70 - 130
cis-1,2-Dichloroethene	50.00	ND	45.4	90.8		70 - 125
trans-1,2-Dichloroethene	50.00	ND	41.3	82.7		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	46.0	92.0		75 - 125
1,3-Dichloropropane	50.00	ND	48.8	97.5		75 - 125
2,2-Dichloropropane	50.00	ND	23.9	47.8	*	70 - 135
1,1-Dichloropropene	50.00	ND	34.7	69.5	*	75 - 130
cis-1,3-Dichloropropene	50.00	ND	42.7	85.4		70 - 130
trans-1,3-Dichloropropene	50.00	ND	43.5	87.0		55 - 140
Ethylbenzene	50.00	ND	39.8	79.6		75 - 125
Hexachlorobutadiene	50.00	ND	29.1	58.2		50 - 140
2-Hexanone	100.0	ND	95.7	95.7		55 - 130
Isopropylbenzene	50.00	ND	38.2	76.5		75 - 125
p-Isopropyltoluene	50.00	ND	35.5	71.0	*	75 - 130
Methylene chloride	50.00	ND	47.4	94.8		55 - 140
Naphthalene	50.00	ND	45.0	90.0		55 - 140
4-Methyl-2-pentanone	100.0	ND	100	100		60 - 135
Methyl t-Butyl Ether	50.00	ND	47.8	95.7		65 - 125
n-Propylbenzene	50.00	ND	36.5	73.0		70 - 130
Styrene	50.00	ND	44.4	88.8		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	45.8	91.7		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	43.2	86.3		80 - 130
Tetrachloroethene	50.00	ND	32.9	65.8		45 - 150
Toluene	50.00	ND	41.8	83.6		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	38.9	77.8		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	37.0	74.0		65 - 135
1,1,2-Trichloroethane	50.00	ND	47.2	94.5		75 - 125
1,1,1-Trichloroethane	50.00	ND	36.7	73.4		65 - 130
Trichloroethene	50.00	ND	38.6	77.2		70 - 125
Trichlorofluoromethane	50.00	ND	30.4	60.9		60 - 145
1,2,3-Trichloropropane	50.00	ND	47.8	95.7		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	39.0	78.1		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	41.0	82.0		75 - 130
Vinyl chloride	50.00	ND	38.2	76.3		50 - 145
Xylenes (total)	150.0	ND	125	83.6		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	83.9	81.0	0.238		30	40 - 140
Benzene	50.00	44.2	88.4	0.609		30	80 - 120
Bromobenzene	50.00	39.6	79.3	1.07		30	75 - 125
Bromochloromethane	50.00	47.2	94.4	1.04		30	65 - 130
Bromodichloromethane	50.00	46.8	93.6	1.42		30	75 - 120
Bromoform	50.00	43.4	86.8	1.37		30	70 - 130
Bromomethane	50.00	42.2	84.5	1.70		30	30 - 145
n-Butylbenzene	50.00	35.8	71.5	0.927		30	70 - 135
2-Butanone	100.0	91.2	91.2	0.396		30	30 - 150
sec-Butylbenzene	50.00	35.1	70.3	0.653		30	70 - 125
tert-Butylbenzene	50.00	36.3	72.7	0.0275		30	70 - 130
Carbon disulfide	50.00	38.6	77.2	4.70		30	35 - 160
Carbon tetrachloride	50.00	32.8	65.6	2.97		30	65 - 140
Chlorobenzene	50.00	41.4	82.8	2.08		30	80 - 120
Chloroethane	50.00	46.0	91.9	3.72		30	60 - 135
Chloroform	50.00	43.4	86.8	0.670		30	65 - 135
Chloromethane	50.00	45.3	90.6	6.02		30	40 - 125
2-Chlorotoluene	50.00	38.0	76.0	0.607		30	75 - 125
4-Chlorotoluene	50.00	39.2	78.5	0.127		30	75 - 130
Dibromochloromethane	50.00	46.8	93.5	1.88		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.6	97.2	0.390		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.1	92.2	2.65		30	80 - 120
Dibromomethane	50.00	48.8	97.6	1.40		30	75 - 125
1,2-Dichlorobenzene	50.00	39.4	78.8	1.31		30	70 - 120
1,3-Dichlorobenzene	50.00	37.8	75.6	1.33		30	75 - 125
1,4-Dichlorobenzene	50.00	39.0	78.0	0.566		30	75 - 125
Dichlorodifluoromethane	50.00	32.3	64.6	8.93		30	30 - 155
1,1-Dichloroethane	50.00	44.1	88.2	3.04		30	70 - 135
1,2-Dichloroethane	50.00	46.2	92.4	1.75		30	70 - 130
1,1-Dichloroethene	50.00	35.9	71.8	4.92		30	70 - 130
cis-1,2-Dichloroethene	50.00	45.5	91.0	0.198		30	70 - 125
trans-1,2-Dichloroethene	50.00	40.2	80.4	2.77		30	60 - 140
1,2-Dichloropropane	50.00	45.8	91.6	0.414		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	47.7	95.4	2.24		30	75 - 125
2,2-Dichloropropane	50.00	23.2	46.3	3.06	*	30	70 - 135
1,1-Dichloropropene	50.00	34.8	69.6	0.230	*	30	75 - 130
cis-1,3-Dichloropropene	50.00	44.1	88.2	3.23		30	70 - 130
trans-1,3-Dichloropropene	50.00	43.1	86.2	1.02		30	55 - 140
Ethylbenzene	50.00	39.0	78.1	1.88		30	75 - 125
Hexachlorobutadiene	50.00	30.2	60.4	3.61		30	50 - 140
2-Hexanone	100.0	91.1	91.1	4.92		30	55 - 130
Isopropylbenzene	50.00	37.4	74.7	2.38	*	30	75 - 125
p-Isopropyltoluene	50.00	35.9	71.7	1.04	*	30	75 - 130
Methylene chloride	50.00	45.9	91.8	3.26		30	55 - 140
Naphthalene	50.00	50.4	101	11.2		30	55 - 140
4-Methyl-2-pentanone	100.0	98.5	98.5	1.48		30	60 - 135
Methyl t-Butyl Ether	50.00	49.7	99.5	3.87		30	65 - 125
n-Propylbenzene	50.00	35.8	71.7	1.74		30	70 - 130
Styrene	50.00	43.7	87.5	1.52		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	45.8	91.7	0.0218		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	42.9	85.7	0.674		30	80 - 130
Tetrachloroethene	50.00	31.8	63.5	3.50		30	45 - 150
Toluene	50.00	40.3	80.7	3.58		30	75 - 120
1,2,3-Trichlorobenzene	50.00	43.7	87.4	11.6		30	55 - 140
1,2,4-Trichlorobenzene	50.00	40.3	80.6	8.46		30	65 - 135
1,1,2-Trichloroethane	50.00	45.7	91.3	3.38		30	75 - 125
1,1,1-Trichloroethane	50.00	35.5	71.0	3.35		30	65 - 130
Trichloroethene	50.00	38.3	76.6	0.780		30	70 - 125
Trichlorofluoromethane	50.00	29.0	57.9	5.05	*	30	60 - 145
1,2,3-Trichloropropane	50.00	47.9	95.8	0.104		30	75 - 125
1,3,5-Trimethylbenzene	50.00	38.4	76.7	1.76		30	75 - 130
1,2,4-Trimethylbenzene	50.00	41.8	83.7	2.00		30	75 - 130
Vinyl chloride	50.00	36.1	72.2	5.58		30	50 - 145
Xylenes (total)	150.0	123	81.9	2.04		30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	90.6	90.6		40 - 140
Benzene	50.00	ND	46.0	92.1		80 - 120
Bromobenzene	50.00	ND	41.9	83.8		75 - 125
Bromochloromethane	50.00	ND	48.1	96.2		65 - 130
Bromodichloromethane	50.00	ND	49.2	98.4		75 - 120
Bromoform	50.00	ND	44.5	89.0		70 - 130
Bromomethane	50.00	ND	45.1	90.3		30 - 145
n-Butylbenzene	50.00	ND	39.6	79.2		70 - 135
2-Butanone	100.0	ND	102	102		30 - 150
sec-Butylbenzene	50.00	ND	38.3	76.6		70 - 125
tert-Butylbenzene	50.00	ND	40.3	80.6		70 - 130
Carbon disulfide	50.00	ND	42.6	85.2		35 - 160
Carbon tetrachloride	50.00	ND	35.5	71.0		65 - 140
Chlorobenzene	50.00	ND	43.9	87.8		80 - 120
Chloroethane	50.00	ND	48.9	97.7		60 - 135
Chloroform	50.00	ND	45.8	91.6		65 - 135
Chloromethane	50.00	ND	48.0	96.0		40 - 125
2-Chlorotoluene	50.00	ND	40.7	81.5		75 - 125
4-Chlorotoluene	50.00	ND	41.9	83.9		75 - 130
Dibromochloromethane	50.00	ND	48.8	97.7		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	51.6	103		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	47.2	94.4		80 - 120
Dibromomethane	50.00	ND	50.9	102		75 - 125
1,2-Dichlorobenzene	50.00	ND	42.0	84.0		70 - 120
1,3-Dichlorobenzene	50.00	ND	40.3	80.5		75 - 125
1,4-Dichlorobenzene	50.00	ND	41.4	82.9		75 - 125
Dichlorodifluoromethane	50.00	ND	37.8	75.6		30 - 155
1,1-Dichloroethane	50.00	ND	46.7	93.4		70 - 135
1,2-Dichloroethane	50.00	ND	48.2	96.3		70 - 130
1,1-Dichloroethene	50.00	ND	40.3	80.6		70 - 130
cis-1,2-Dichloroethene	50.00	ND	46.6	93.3		70 - 125
trans-1,2-Dichloroethene	50.00	ND	43.0	85.9		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	47.9	95.8		75 - 125
1,3-Dichloropropane	50.00	ND	49.1	98.2		75 - 125
2,2-Dichloropropane	50.00	ND	24.7	49.5	*	70 - 135
1,1-Dichloropropene	50.00	ND	38.2	76.5		75 - 130
cis-1,3-Dichloropropene	50.00	ND	45.8	91.5		70 - 130
trans-1,3-Dichloropropene	50.00	ND	44.9	89.9		55 - 140
Ethylbenzene	50.00	ND	42.0	84.1		75 - 125
Hexachlorobutadiene	50.00	ND	34.8	69.5		50 - 140
2-Hexanone	100.0	ND	102	102		55 - 130
Isopropylbenzene	50.00	ND	39.6	79.2		75 - 125
p-Isopropyltoluene	50.00	ND	38.9	77.7		75 - 130
Methylene chloride	50.00	ND	48.5	96.9		55 - 140
Naphthalene	50.00	ND	51.5	103		55 - 140
4-Methyl-2-pentanone	100.0	ND	111	111		60 - 135
Methyl t-Butyl Ether	50.00	ND	51.9	104		65 - 125
n-Propylbenzene	50.00	ND	39.7	79.4		70 - 130
Styrene	50.00	ND	43.5	87.1		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	47.5	95.0		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	44.4	88.7		80 - 130
Tetrachloroethene	50.00	ND	34.4	68.7		45 - 150
Toluene	50.00	ND	42.3	84.6		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	46.5	93.1		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	42.6	85.1		65 - 135
1,1,2-Trichloroethane	50.00	ND	47.4	94.8		75 - 125
1,1,1-Trichloroethane	50.00	ND	39.3	78.6		65 - 130
Trichloroethene	50.00	ND	40.9	81.9		70 - 125
Trichlorofluoromethane	50.00	ND	33.1	66.2		60 - 145
1,2,3-Trichloropropane	50.00	ND	49.2	98.4		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	42.0	84.0		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	45.4	90.8		75 - 130
Vinyl chloride	50.00	ND	39.4	78.9		50 - 145
Xylenes (total)	150.0	ND	129	86.2		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	80.6	80.6	11.7		30	40 - 140
Benzene	50.00	50.8	102	9.75		30	80 - 120
Bromobenzene	50.00	45.3	90.7	7.82		30	75 - 125
Bromochloromethane	50.00	49.0	98.1	1.96		30	65 - 130
Bromodichloromethane	50.00	51.4	103	4.34		30	75 - 120
Bromoform	50.00	46.1	92.2	3.47		30	70 - 130
Bromomethane	50.00	48.4	96.7	6.87		30	30 - 145
n-Butylbenzene	50.00	51.8	104	26.8		30	70 - 135
2-Butanone	100.0	89.9	89.9	13.0		30	30 - 150
sec-Butylbenzene	50.00	49.2	98.3	24.9		30	70 - 125
tert-Butylbenzene	50.00	50.2	100	21.8		30	70 - 130
Carbon disulfide	50.00	52.8	106	21.3		30	35 - 160
Carbon tetrachloride	50.00	48.1	96.1	30.1	*	30	65 - 140
Chlorobenzene	50.00	48.4	96.7	9.65		30	80 - 120
Chloroethane	50.00	55.1	110	11.9		30	60 - 135
Chloroform	50.00	48.3	96.6	5.31		30	65 - 135
Chloromethane	50.00	53.2	106	10.2		30	40 - 125
2-Chlorotoluene	50.00	47.2	94.4	14.7		30	75 - 125
4-Chlorotoluene	50.00	49.4	98.8	16.4		30	75 - 130
Dibromochloromethane	50.00	50.7	101	3.76		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.4	103	0.330		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.9	95.7	1.43		30	80 - 120
Dibromomethane	50.00	50.9	102	0.0197		30	75 - 125
1,2-Dichlorobenzene	50.00	47.7	95.4	12.6		30	70 - 120
1,3-Dichlorobenzene	50.00	45.5	91.0	12.2		30	75 - 125
1,4-Dichlorobenzene	50.00	47.0	94.1	12.6		30	75 - 125
Dichlorodifluoromethane	50.00	60.6	121	46.3	*	30	30 - 155
1,1-Dichloroethane	50.00	50.4	101	7.54		30	70 - 135
1,2-Dichloroethane	50.00	50.5	101	4.64		30	70 - 130
1,1-Dichloroethene	50.00	50.9	102	23.3		30	70 - 130
cis-1,2-Dichloroethene	50.00	51.4	103	9.69		30	70 - 125
trans-1,2-Dichloroethene	50.00	50.0	100	15.1		30	60 - 140
1,2-Dichloropropane	50.00	51.0	102	6.21		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22015

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	50.3	101	2.43		30	75 - 125
2,2-Dichloropropane	50.00	29.8	59.7	18.7	*	30	70 - 135
1,1-Dichloropropene	50.00	49.5	99.0	25.7		30	75 - 130
cis-1,3-Dichloropropene	50.00	47.6	95.2	3.96		30	70 - 130
trans-1,3-Dichloropropene	50.00	46.9	93.7	4.20		30	55 - 140
Ethylbenzene	50.00	49.5	99.0	16.3		30	75 - 125
Hexachlorobutadiene	50.00	45.6	91.2	27.0		30	50 - 140
2-Hexanone	100.0	91.4	91.4	10.7		30	55 - 130
Isopropylbenzene	50.00	50.0	100	23.2		30	75 - 125
p-Isopropyltoluene	50.00	50.0	100	25.0		30	75 - 130
Methylene chloride	50.00	49.2	98.3	1.45		30	55 - 140
Naphthalene	50.00	55.6	111	7.64		30	55 - 140
4-Methyl-2-pentanone	100.0	98.9	98.9	11.8		30	60 - 135
Methyl t-Butyl Ether	50.00	52.8	106	1.72		30	65 - 125
n-Propylbenzene	50.00	48.9	97.9	20.8		30	70 - 130
Styrene	50.00	49.6	99.3	13.1		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.3	96.6	1.73		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.8	95.5	7.38		30	80 - 130
Tetrachloroethene	50.00	44.1	88.2	24.8		30	45 - 150
Toluene	50.00	48.2	96.4	13.0		30	75 - 120
1,2,3-Trichlorobenzene	50.00	50.1	100	7.47		30	55 - 140
1,2,4-Trichlorobenzene	50.00	49.3	98.6	14.7		30	65 - 135
1,1,2-Trichloroethane	50.00	48.4	96.8	2.05		30	75 - 125
1,1,1-Trichloroethane	50.00	48.5	97.0	20.9		30	65 - 130
Trichloroethene	50.00	48.2	96.4	16.3		30	70 - 125
Trichlorofluoromethane	50.00	49.5	98.9	39.7	*	30	60 - 145
1,2,3-Trichloropropane	50.00	50.5	101	2.57		30	75 - 125
1,3,5-Trimethylbenzene	50.00	50.2	100	17.8		30	75 - 130
1,2,4-Trimethylbenzene	50.00	54.1	108	17.5		30	75 - 130
Vinyl chloride	50.00	51.4	103	26.2		30	50 - 145
Xylenes (total)	150.0	152	101	16.2		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J17023 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8231-TB	1210102-29	10/17/12 12:38	5.00	5.00
Blank	2J17023-BLK1	10/17/12 10:47	5.00	5.00
LCS	2J17023-BS1	10/17/12 09:24	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J19013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0782	1210102-13	10/19/12 14:27	5.00	5.00
GW0783	1210102-15	10/19/12 14:55	5.00	5.00
GW0784	1210102-17	10/19/12 15:23	5.00	5.00
GW0785	1210102-19	10/19/12 15:50	5.00	5.00
GW0795	1210102-21	10/19/12 16:18	5.00	5.00
GW0796	1210102-23	10/19/12 16:46	5.00	5.00
GW0797	1210102-25	10/19/12 17:14	5.00	5.00
GW0798	1210102-27	10/19/12 17:41	5.00	5.00
Blank	2J19013-BLK1	10/19/12 11:37	5.00	5.00
LCS	2J19013-BS1	10/19/12 10:13	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J22013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/22/12 09:44	5.00	5.00
GW0753	1210102-03	10/22/12 10:12	5.00	5.00
GW0769	1210102-05	10/22/12 10:40	5.00	5.00
GW0770	1210102-07	10/22/12 11:07	5.00	5.00
GW0771	1210102-09	10/22/12 11:35	5.00	5.00
GW0778	1210102-11	10/22/12 12:03	5.00	5.00
GW0794	1210135-07	10/22/12 16:13	5.00	5.00
Blank	2J22013-BLK1	10/22/12 09:15	5.00	5.00
LCS	2J22013-BS1	10/22/12 07:52	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J22015 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0793	1210135-05	10/23/12 09:17	5.00	5.00
GW0869	1210135-19	10/23/12 09:44	5.00	5.00
GW0870	1210135-21	10/23/12 10:12	5.00	5.00
GW8232-TB	1210135-23	10/23/12 08:21	5.00	5.00
Blank	2J22015-BLK1	10/23/12 07:53	5.00	5.00
LCS	2J22015-BS1	10/23/12 06:30	5.00	5.00
GW0793	2J22015-MS1	10/23/12 15:45	5.00	5.00
GW0869	2J22015-MS2	10/23/12 16:41	5.00	5.00
GW0793	2J22015-MSD1	10/23/12 16:13	5.00	5.00
GW0869	2J22015-MSD2	10/23/12 17:08	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J23004 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/23/12 15:34	5.00	5.00
GW0768	1210135-03	10/23/12 16:03	5.00	5.00
GW0844	1210135-09	10/23/12 16:32	5.00	5.00
GW0845	1210135-11	10/23/12 17:00	5.00	5.00
GW0846	1210135-13	10/23/12 17:29	5.00	5.00
GW0847	1210135-15	10/23/12 17:58	5.00	5.00
GW0868	1210135-17	10/23/12 18:26	5.00	5.00
Blank	2J23004-BLK1	10/23/12 12:13	5.00	5.00
LCS	2J23004-BS1	10/23/12 10:47	5.00	5.00
LCS Dup	2J23004-BSD1	10/23/12 22:16	5.00	5.00

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J17023-BLK1 File ID: 1017BLK1.D

Sampled: Prepared: Analyzed: 10/17/12 10:47

Solids: Preparation: 5030B Dilution:

Batch: 2J17023 Sequence: 2J29205 Calibration: 2291001 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	UX
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_065

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

Matrix: Laboratory ID: 2J17023-BLK1 File ID: 1017BLK1.D

Sampled: Prepared: Analyzed: 10/17/12 10:47

Solids: Preparation: 5030B Dilution:

Batch: 2J17023 Sequence: 2J29205 Calibration: 2291001 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	28.83	96.1	75 - 120	
Dibromofluoromethane	30.00	30.62	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.91	103	70 - 120	
Toluene-d8	30.00	30.08	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J17023-BS1 | File ID: 1017LCS1.D

Sampled: | Prepared: | Analyzed: 10/17/12 09:24

Solids: | Preparation: 5030B | Dilution:

Batch: 2J17023 | Sequence: 2J29205 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**49.1**	2.50	5.00	10.0	
71-43-2	Benzene	**24.2**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**21.7**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**23.7**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**25.1**	0.250	0.500	1.00	
75-25-2	Bromoform	**23.7**	0.250	0.500	1.00	
74-83-9	Bromomethane	**24.7**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**25.8**	0.250	0.500	1.00	
78-93-3	2-Butanone	**59.2**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**24.8**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**24.0**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**26.1**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**24.2**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**23.0**	0.250	0.500	1.00	
75-00-3	Chloroethane	**24.5**	0.500	1.00	2.00	
67-66-3	Chloroform	**23.1**	0.250	0.500	1.00	
74-87-3	Chloromethane	**23.2**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**22.9**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**23.8**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**24.9**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**27.1**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**23.1**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**24.9**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**22.3**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**22.2**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**22.6**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**25.9**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**24.0**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**24.2**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**25.2**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**23.8**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**24.2**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**23.7**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**24.2**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**26.2**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**24.6**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**24.6**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**25.4**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**24.3**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**25.8**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J17023-BS1 | File ID: 1017LCS1.D

Sampled: | Prepared: | Analyzed: 10/17/12 09:24

Solids: | Preparation: 5030B | Dilution:

Batch: 2J17023 | Sequence: 2J29205 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**59.8**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**24.7**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**24.4**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**23.0**	0.500	1.00	2.00	
91-20-3	Naphthalene	**26.1**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**64.8**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**25.7**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**24.4**	0.250	0.500	1.00	
100-42-5	Styrene	**24.5**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**22.8**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**23.4**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**21.9**	0.250	0.500	1.00	
108-88-3	Toluene	**23.4**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**25.5**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**23.9**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**22.8**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**24.6**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**23.6**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**24.3**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**24.0**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**24.2**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**25.1**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**29.2**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**74.0**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.97	99.9	75 - 120	
Dibromofluoromethane	30.00	31.04	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.46	102	70 - 120	
Toluene-d8	30.00	29.88	99.6	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J19013-BLK1 File ID: 1019BLK1.D

Sampled: Prepared: Analyzed: 10/19/12 11:37

Solids: Preparation: 5030B Dilution:

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
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	UX
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	UX
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_065

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

Matrix: Laboratory ID: 2J19013-BLK1 File ID: 1019BLK1.D

Sampled: Prepared: Analyzed: 10/19/12 11:37

Solids: Preparation: 5030B Dilution:

Batch: 2J19013 Sequence: 2J29605 Calibration: 2291001 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	28.64	95.5	75 - 120	
Dibromofluoromethane	30.00	29.55	98.5	85 - 115	
1,2-Dichloroethane-d4	30.00	30.84	103	70 - 120	
Toluene-d8	30.00	30.84	103	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J19013-BS1 | File ID: 1019LCS1.D

Sampled: | Prepared: | Analyzed: 10/19/12 10:13

Solids: | Preparation: 5030B | Dilution:

Batch: 2J19013 | Sequence: 2J29605 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**81.7**	2.50	5.00	10.0	Y
71-43-2	Benzene	**48.7**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**44.6**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**48.0**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**47.2**	0.250	0.500	1.00	
75-25-2	Bromoform	**47.4**	0.250	0.500	1.00	
74-83-9	Bromomethane	**43.3**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**55.7**	0.250	0.500	1.00	
78-93-3	2-Butanone	**96.2**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**51.6**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.9**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**52.7**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**48.2**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**48.7**	0.250	0.500	1.00	
75-00-3	Chloroethane	**51.8**	0.500	1.00	2.00	
67-66-3	Chloroform	**44.4**	0.250	0.500	1.00	
74-87-3	Chloromethane	**49.2**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**45.8**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**47.9**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**50.2**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**50.6**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**48.3**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**48.2**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**46.7**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**45.8**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**46.6**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**58.7**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**47.2**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**43.3**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**49.1**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**47.1**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**48.1**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**47.6**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**50.1**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**46.1**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**47.7**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**49.4**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**49.5**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**49.2**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**51.6**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2J19013-BS1
File ID: 1019LCS1.D
Sampled:
Prepared:
Analyzed: 10/19/12 10:13
Solids:
Preparation: 5030B
Dilution:
Batch: 2J19013
Sequence: 2J29605
Calibration: 2291001
Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**102**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**49.8**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**51.8**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**47.1**	0.500	1.00	2.00	
91-20-3	Naphthalene	**53.0**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**106**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**48.2**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**49.0**	0.250	0.500	1.00	
100-42-5	Styrene	**51.8**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**47.4**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**47.9**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**46.6**	0.250	0.500	1.00	
108-88-3	Toluene	**48.7**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**53.6**	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	**48.6**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**45.1**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**46.0**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**44.7**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**49.5**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**49.0**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**52.2**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**44.6**	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	29.98	99.9	75 - 120	
Dibromofluoromethane	30.00	29.27	97.6	85 - 115	
1,2-Dichloroethane-d4	30.00	31.11	104	70 - 120	
Toluene-d8	30.00	30.40	101	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22013-BLK1 File ID: 1022BLK1.D

Sampled: Prepared: Analyzed: 10/22/12 09:15

Solids: Preparation: 5030B Dilution:

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
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	UX
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	UX
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_065

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

Matrix: Laboratory ID: 2J22013-BLK1 File ID: 1022BLK1.D

Sampled: Prepared: Analyzed: 10/22/12 09:15

Solids: Preparation: 5030B Dilution:

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 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	UX
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	28.12	93.7	75 - 120	
Dibromofluoromethane	30.00	30.17	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.95	103	70 - 120	
Toluene-d8	30.00	29.29	97.6	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22013-BS1 File ID: 1022LCS1.D

Sampled: Prepared: Analyzed: 10/22/12 07:52

Solids: Preparation: 5030B Dilution:

Batch: 2J22013 Sequence: 2J29703 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**85.2**	2.50	5.00	10.0	
71-43-2	Benzene	**48.5**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**44.4**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**47.7**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**50.7**	0.250	0.500	1.00	
75-25-2	Bromoform	**45.2**	0.250	0.500	1.00	
74-83-9	Bromomethane	**47.7**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**55.7**	0.250	0.500	1.00	
78-93-3	2-Butanone	**100**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**50.3**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.2**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**53.2**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**48.8**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**47.2**	0.250	0.500	1.00	
75-00-3	Chloroethane	**55.4**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.1**	0.250	0.500	1.00	
74-87-3	Chloromethane	**52.6**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**46.9**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**48.9**	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	**52.9**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.3**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**49.6**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**46.8**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**45.8**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**46.1**	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	**48.3**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**47.7**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**51.1**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.1**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**48.1**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**48.3**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**48.5**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**50.4**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**49.0**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**51.2**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**50.7**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**48.2**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**48.5**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J22013-BS1 | File ID: 1022LCS1.D

Sampled: | Prepared: | Analyzed: 10/22/12 07:52

Solids: | Preparation: 5030B | Dilution:

Batch: 2J22013 | Sequence: 2J29703 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**102**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**48.5**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**51.4**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**47.9**	0.500	1.00	2.00	
91-20-3	Naphthalene	**52.2**	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	**50.2**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**49.0**	0.250	0.500	1.00	
100-42-5	Styrene	**49.6**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**47.7**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**46.4**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**43.9**	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	**49.4**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**49.3**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**47.2**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**47.2**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**47.5**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**48.5**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.0**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**49.2**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**52.2**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**50.0**	0.250	0.500	1.00	X
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	29.47	98.2	75 - 120	
Dibromofluoromethane	30.00	30.58	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.77	99.2	70 - 120	
Toluene-d8	30.00	29.98	99.9	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-BLK1 File ID: 1023BLK1.D

Sampled: Prepared: Analyzed: 10/23/12 07:53

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UX
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	UX
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	UX
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_065

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

Matrix: Laboratory ID: 2J22015-BLK1 File ID: 1023BLK1.D

Sampled: Prepared: Analyzed: 10/23/12 07:53

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 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	UY
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	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.53	95.1	75 - 120	
Dibromofluoromethane	30.00	29.90	99.7	85 - 115	
1,2-Dichloroethane-d4	30.00	30.71	102	70 - 120	
Toluene-d8	30.00	29.88	99.6	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J22015-BS1 | File ID: 1023LCS1.D

Sampled: | Prepared: | Analyzed: 10/23/12 06:30

Solids: | Preparation: 5030B | Dilution:

Batch: 2J22015 | Sequence: 2J29801 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**82.4**	2.50	5.00	10.0	
71-43-2	Benzene	**49.0**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**43.1**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**47.6**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.1**	0.250	0.500	1.00	
75-25-2	Bromoform	**43.4**	0.250	0.500	1.00	
74-83-9	Bromomethane	**47.7**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**56.7**	0.250	0.500	1.00	
78-93-3	2-Butanone	**99.0**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**50.9**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**50.2**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**52.6**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**47.8**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**46.8**	0.250	0.500	1.00	
75-00-3	Chloroethane	**53.4**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.6**	0.250	0.500	1.00	
74-87-3	Chloromethane	**51.8**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**46.8**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**48.8**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**47.8**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**45.9**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**45.6**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**49.3**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**45.1**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**45.8**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**45.5**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**61.0**	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	**48.3**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**51.3**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.2**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**48.6**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**48.4**	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	**51.2**	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	**50.6**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**49.9**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**48.4**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**48.8**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J22015-BS1 | File ID: 1023LCS1.D

Sampled: | Prepared: | Analyzed: 10/23/12 06:30

Solids: | Preparation: 5030B | Dilution:

Batch: 2J22015 | Sequence: 2J29801 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**98.0**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**49.0**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**51.8**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**47.0**	0.500	1.00	2.00	
91-20-3	Naphthalene	**49.2**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**106**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**49.4**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**49.5**	0.250	0.500	1.00	
100-42-5	Styrene	**50.6**	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	**46.2**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**44.3**	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	**48.3**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**46.7**	0.250	0.500	1.00	Y
71-55-6	1,1,1-Trichloroethane	**46.7**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**47.4**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**49.5**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**44.9**	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	**53.4**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**51.4**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**149**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.36	97.9	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.80	103	70 - 120	
Toluene-d8	30.00	29.72	99.1	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MS1 File ID: 1013505M.D

Sampled: Prepared: Analyzed: 10/23/12 15:45

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**84.1**	2.50	5.00	10.0	
71-43-2	Benzene	**44.5**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**39.2**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**46.7**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**47.5**	0.250	0.500	1.00	
75-25-2	Bromoform	**42.8**	0.250	0.500	1.00	
74-83-9	Bromomethane	**41.5**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**35.4**	0.250	0.500	1.00	
78-93-3	2-Butanone	**90.8**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**35.4**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**36.3**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**40.5**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**33.8**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**42.3**	0.250	0.500	1.00	
75-00-3	Chloroethane	**47.7**	0.500	1.00	2.00	
67-66-3	Chloroform	**43.1**	0.250	0.500	1.00	
74-87-3	Chloromethane	**48.1**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**37.8**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**39.2**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**47.7**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**48.8**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**47.4**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**48.1**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**39.9**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**37.3**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**38.8**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**35.3**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**45.4**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**45.4**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**37.7**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**45.4**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**41.3**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**46.0**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**48.8**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**23.9**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**34.7**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**42.7**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**43.5**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**39.8**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**29.1**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MS1 File ID: 1013505M.D

Sampled: Prepared: Analyzed: 10/23/12 15:45

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**95.7**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**38.2**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**35.5**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**47.4**	0.500	1.00	2.00	
91-20-3	Naphthalene	**45.0**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**100**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**47.8**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**36.5**	0.250	0.500	1.00	
100-42-5	Styrene	**44.4**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**45.8**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**43.2**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**32.9**	0.250	0.500	1.00	
108-88-3	Toluene	**41.8**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**38.9**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**37.0**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**47.2**	0.250	0.500	1.00	Y
71-55-6	1,1,1-Trichloroethane	**36.7**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**38.6**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**30.4**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.8**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**39.0**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**41.0**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**38.2**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**125**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.00	100	75 - 120	
Dibromofluoromethane	30.00	29.67	98.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.55	95.2	70 - 120	
Toluene-d8	30.00	30.58	102	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MS2 File ID: 1013519M.D

Sampled: Prepared: Analyzed: 10/23/12 16:41

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**90.6**	2.50	5.00	10.0	
71-43-2	Benzene	**46.0**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**41.9**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**48.1**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.2**	0.250	0.500	1.00	
75-25-2	Bromoform	**44.5**	0.250	0.500	1.00	
74-83-9	Bromomethane	**45.1**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**39.6**	0.250	0.500	1.00	
78-93-3	2-Butanone	**102**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**38.3**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**40.3**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**42.6**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**35.5**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**43.9**	0.250	0.500	1.00	
75-00-3	Chloroethane	**48.9**	0.500	1.00	2.00	
67-66-3	Chloroform	**45.8**	0.250	0.500	1.00	
74-87-3	Chloromethane	**48.0**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**40.7**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**41.9**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**48.8**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**51.6**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**47.2**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**50.9**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**42.0**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**40.3**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**41.4**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**37.8**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**46.7**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**48.2**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**40.3**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**46.6**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**43.0**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**47.9**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**49.1**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**24.7**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**38.2**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**45.8**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**44.9**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**42.0**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**34.8**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MS2 File ID: 1013519M.D

Sampled: Prepared: Analyzed: 10/23/12 16:41

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**102**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**39.6**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**38.9**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**48.5**	0.500	1.00	2.00	
91-20-3	Naphthalene	**51.5**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**111**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**51.9**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**39.7**	0.250	0.500	1.00	
100-42-5	Styrene	**43.5**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**47.5**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**44.4**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**34.4**	0.250	0.500	1.00	
108-88-3	Toluene	**42.3**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**46.5**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**42.6**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**47.4**	0.250	0.500	1.00	Y
71-55-6	1,1,1-Trichloroethane	**39.3**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**40.9**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**33.1**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**49.2**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**42.0**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**45.4**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**39.4**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**129**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.44	98.1	75 - 120	
Dibromofluoromethane	30.00	30.89	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	29.73	99.1	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MSD1 File ID: 1013505D.D

Sampled: Prepared: Analyzed: 10/23/12 16:13

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

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	**44.2**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**39.6**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**47.2**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**46.8**	0.250	0.500	1.00	
75-25-2	Bromoform	**43.4**	0.250	0.500	1.00	
74-83-9	Bromomethane	**42.2**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**35.8**	0.250	0.500	1.00	
78-93-3	2-Butanone	**91.2**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**35.1**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**36.3**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**38.6**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**32.8**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**41.4**	0.250	0.500	1.00	
75-00-3	Chloroethane	**46.0**	0.500	1.00	2.00	
67-66-3	Chloroform	**43.4**	0.250	0.500	1.00	
74-87-3	Chloromethane	**45.3**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**38.0**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**39.2**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**46.8**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**48.6**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.1**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**48.8**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**39.4**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**37.8**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**39.0**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**32.3**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**44.1**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**46.2**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**35.9**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**45.5**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**40.2**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.8**	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	**23.2**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**34.8**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**44.1**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**43.1**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**39.0**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**30.2**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MSD1 File ID: 1013505D.D

Sampled: Prepared: Analyzed: 10/23/12 16:13

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**91.1**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**37.4**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**35.9**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**45.9**	0.500	1.00	2.00	
91-20-3	Naphthalene	**50.4**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**98.5**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**49.7**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**35.8**	0.250	0.500	1.00	
100-42-5	Styrene	**43.7**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**45.8**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**42.9**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**31.8**	0.250	0.500	1.00	
108-88-3	Toluene	**40.3**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**43.7**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**40.3**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**45.7**	0.250	0.500	1.00	Y
71-55-6	1,1,1-Trichloroethane	**35.5**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**38.3**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**29.0**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.9**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**38.4**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**41.8**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**36.1**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**123**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.19	97.3	75 - 120	
Dibromofluoromethane	30.00	30.14	100	85 - 115	
1,2-Dichloroethane-d4	30.00	31.07	104	70 - 120	
Toluene-d8	30.00	30.04	100	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MSD2 File ID: 1013519S.D

Sampled: Prepared: Analyzed: 10/23/12 17:08

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**80.6**	2.50	5.00	10.0	
71-43-2	Benzene	**50.8**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**45.3**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**49.0**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**51.4**	0.250	0.500	1.00	
75-25-2	Bromoform	**46.1**	0.250	0.500	1.00	
74-83-9	Bromomethane	**48.4**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**51.8**	0.250	0.500	1.00	
78-93-3	2-Butanone	**89.9**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**49.2**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**50.2**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**52.8**	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	**48.1**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**48.4**	0.250	0.500	1.00	
75-00-3	Chloroethane	**55.1**	0.500	1.00	2.00	
67-66-3	Chloroform	**48.3**	0.250	0.500	1.00	
74-87-3	Chloromethane	**53.2**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**47.2**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**49.4**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**50.7**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**51.4**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**47.9**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**50.9**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**47.7**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**45.5**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**47.0**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**60.6**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**50.4**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**50.5**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**50.9**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**51.4**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**50.0**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**51.0**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**50.3**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**29.8**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**49.5**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**47.6**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**46.9**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**49.5**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**45.6**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J22015-MSD2 File ID: 1013519S.D

Sampled: Prepared: Analyzed: 10/23/12 17:08

Solids: Preparation: 5030B Dilution:

Batch: 2J22015 Sequence: 2J29801 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**91.4**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**50.0**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**50.0**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**49.2**	0.500	1.00	2.00	
91-20-3	Naphthalene	**55.6**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**98.9**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**52.8**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**48.9**	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	**48.3**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**47.8**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**44.1**	0.250	0.500	1.00	
108-88-3	Toluene	**48.2**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**50.1**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**49.3**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**48.4**	0.250	0.500	1.00	Y
71-55-6	1,1,1-Trichloroethane	**48.5**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.2**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**49.5**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**50.5**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**50.2**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**54.1**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**51.4**	0.250	0.500	1.00	X
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	29.08	96.9	75 - 120	
Dibromofluoromethane	30.00	30.53	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.47	98.2	70 - 120	
Toluene-d8	30.00	29.82	99.4	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J23004-BLK1 File ID: 1023BLK1.D

Sampled: Prepared: Analyzed: 10/23/12 12:13

Solids: Preparation: 5030B Dilution:

Batch: 2J23004 Sequence: 2J29804 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	UY
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	UX
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_065

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

Matrix: Laboratory ID: 2J23004-BLK1 File ID: 1023BLK1.D

Sampled: Prepared: Analyzed: 10/23/12 12:13

Solids: Preparation: 5030B Dilution:

Batch: 2J23004 Sequence: 2J29804 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	31.13	104	75 - 120	
Dibromofluoromethane	30.00	32.28	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.98	99.9	70 - 120	
Toluene-d8	30.00	30.20	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J23004-BS1 File ID: 1023LCS1.D

Sampled: Prepared: Analyzed: 10/23/12 10:47

Solids: Preparation: 5030B Dilution:

Batch: 2J23004 Sequence: 2J29804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**79.8**	2.50	5.00	10.0	Y
71-43-2	Benzene	**44.5**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**45.8**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**50.6**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.6**	0.250	0.500	1.00	
75-25-2	Bromoform	**53.2**	0.250	0.500	1.00	
74-83-9	Bromomethane	**47.8**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**43.1**	0.250	0.500	1.00	
78-93-3	2-Butanone	**87.2**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**41.9**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**46.7**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**39.2**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**56.1**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**44.3**	0.250	0.500	1.00	
75-00-3	Chloroethane	**46.4**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.3**	0.250	0.500	1.00	
74-87-3	Chloromethane	**40.7**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**40.8**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**40.9**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**51.0**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**48.9**	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	**46.0**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**44.0**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**43.9**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**48.0**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**49.4**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**45.1**	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	**41.7**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**46.9**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**44.5**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.6**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**46.9**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**53.2**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**45.2**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**54.0**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**49.3**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**46.1**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**45.9**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J23004-BS1 | File ID: 1023LCS1.D

Sampled: | Prepared: | Analyzed: 10/23/12 10:47

Solids: | Preparation: 5030B | Dilution:

Batch: 2J23004 | Sequence: 2J29804 | 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	**48.1**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**45.9**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**41.8**	0.500	1.00	2.00	
91-20-3	Naphthalene	**46.8**	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	**48.2**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**40.1**	0.250	0.500	1.00	
100-42-5	Styrene	**48.9**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**41.4**	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	**46.4**	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	**44.6**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**44.5**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**45.3**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**52.2**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**47.0**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**45.4**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**50.6**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**47.4**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**47.1**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**60.6**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**135**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.35	104	75 - 120	
Dibromofluoromethane	30.00	32.44	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.42	101	70 - 120	
Toluene-d8	30.00	30.72	102	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J23004-BSD1 File ID: 1023LCD1.D

Sampled: Prepared: Analyzed: 10/23/12 22:16

Solids: Preparation: 5030B Dilution:

Batch: 2J23004 Sequence: 2J29804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**83.3**	2.50	5.00	10.0	Y
71-43-2	Benzene	**44.6**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**45.6**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**50.4**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**50.3**	0.250	0.500	1.00	
75-25-2	Bromoform	**51.3**	0.250	0.500	1.00	
74-83-9	Bromomethane	**49.8**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**41.5**	0.250	0.500	1.00	
78-93-3	2-Butanone	**88.4**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**41.5**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**45.6**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**38.4**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**56.9**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**44.1**	0.250	0.500	1.00	
75-00-3	Chloroethane	**46.6**	0.500	1.00	2.00	
67-66-3	Chloroform	**47.1**	0.250	0.500	1.00	
74-87-3	Chloromethane	**40.2**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**41.3**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**40.6**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**50.1**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**46.7**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.8**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**45.8**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**42.7**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**42.7**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**47.0**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**50.2**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**44.9**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.4**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**39.3**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**47.2**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**43.5**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.8**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**46.3**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**44.8**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**45.5**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**51.8**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**47.5**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**46.0**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**44.0**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J23004-BSD1 File ID: 1023LCD1.D

Sampled: Prepared: Analyzed: 10/23/12 22:16

Solids: Preparation: 5030B Dilution:

Batch: 2J23004 Sequence: 2J29804 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**103**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**48.5**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**44.6**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**41.1**	0.500	1.00	2.00	
91-20-3	Naphthalene	**44.6**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**105**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**47.1**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**39.6**	0.250	0.500	1.00	
100-42-5	Styrene	**48.4**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**40.3**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**55.0**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**45.2**	0.250	0.500	1.00	
108-88-3	Toluene	**46.3**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**43.5**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**42.8**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**44.3**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**53.7**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.0**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**47.4**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**50.2**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**47.5**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**46.6**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**62.5**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**135**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.62	105	75 - 120	
Dibromofluoromethane	30.00	32.73	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.67	98.9	70 - 120	
Toluene-d8	30.00	30.47	102	85 - 120	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
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_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1012TUN2.D	Injection Date:	10/12/12
Instrument ID:	MS-VOA5	Injection Time:	14:29
Sequence:	2J29101	Lab Sample ID:	2J29101-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.6	PASS
75	30 - 60% of 95	50.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.98	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75.5	PASS
175	5 - 9% of 174	7.42	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	6.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1012TUN3.D	Injection Date:	10/16/12
Instrument ID:	MS-VOA5	Injection Time:	13:45
Sequence:	2J29101	Lab Sample ID:	2J29101-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	25.7	PASS
75	30 - 60% of 95	49.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.69	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.7	PASS
175	5 - 9% of 174	7.11	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	6.57	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1017TUN1.D	Injection Date:	10/17/12
Instrument ID:	MS-VOA5	Injection Time:	08:25
Sequence:	2J29205	Lab Sample ID:	2J29205-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	25.6	PASS
75	30 - 60% of 95	48.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.81	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75.4	PASS
175	5 - 9% of 174	7.51	PASS
176	95 - 101% of 174	96.8	PASS
177	5 - 9% of 176	6.78	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1019TUN1.D	Injection Date:	10/19/12
Instrument ID:	MS-VOA5	Injection Time:	09:16
Sequence:	2J29605	Lab Sample ID:	2J29605-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.7	PASS
75	30 - 60% of 95	48.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.56	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	81.8	PASS
175	5 - 9% of 174	7.96	PASS
176	95 - 101% of 174	97	PASS
177	5 - 9% of 176	6.49	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1022TUN1.D	Injection Date:	10/22/12
Instrument ID:	MS-VOA5	Injection Time:	06:54
Sequence:	2J29703	Lab Sample ID:	2J29703-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.1	PASS
75	30 - 60% of 95	49.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.53	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	78.6	PASS
175	5 - 9% of 174	7.81	PASS
176	95 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.58	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1023TUN1.D	Injection Date:	10/23/12
Instrument ID:	MS-VOA5	Injection Time:	05:32
Sequence:	2J29801	Lab Sample ID:	2J29801-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	27.3	PASS
75	30 - 60% of 95	49.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.61	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.4	PASS
175	5 - 9% of 174	7.72	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	6.81	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1023TUN1.D	Injection Date:	10/23/12
Instrument ID:	MS-VOA6	Injection Time:	09:48
Sequence:	2J29804	Lab Sample ID:	2J29804-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.6	PASS
75	30 - 60% of 95	49.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.45	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	78.3	PASS
175	5 - 9% of 174	7.21	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.44	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
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_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29101	Instrument:	MS-VOA5
Calibration:	2291001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29101-TUN1	1012TUN2.D	10/12/12 14:29
Cal Standard	2J29101-CAL1	1012CAL1.D	10/12/12 15:24
Cal Standard	2J29101-CAL2	1012CAL2.D	10/12/12 15:52
Cal Standard	2J29101-CAL3	1012CAL3.D	10/12/12 16:20
Cal Standard	2J29101-CAL4	1012CAL4.D	10/12/12 16:48
Cal Standard	2J29101-CAL5	1012CAL5.D	10/12/12 17:15
Cal Standard	2J29101-CAL6	1012CAL6.D	10/12/12 17:43
Cal Standard	2J29101-CAL7	1012CAL7.D	10/12/12 18:11
Cal Standard	2J29101-CAL8	1012CAL8.D	10/12/12 18:38
Cal Standard	2J29101-CAL9	1012CAL9.D	10/12/12 19:06
Initial Cal Check	2J29101-ICV2	1012ICV2.D	10/12/12 20:29
MS Tune	2J29101-TUN2	1012TUN3.D	10/16/12 13:45
Initial Cal Check	2J29101-ICV3	1012ICV3.D	10/16/12 14:13

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29205	Instrument:	MS-VOA5
Calibration:	2291001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29205-TUN1	1017TUN1.D	10/17/12 08:25
Calibration Check	2J29205-CCV1	1017CCV1.D	10/17/12 08:56
LCS	2J17023-BS1	1017LCS1.D	10/17/12 09:24
Blank	2J17023-BLK1	1017BLK1.D	10/17/12 10:47
GW8231-TB	1210102-29	1010229.D	10/17/12 12:38

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29605	Instrument:	MS-VOA5
Calibration:	2291001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29605-TUN1	1019TUN1.D	10/19/12 09:16
Calibration Check	2J29605-CCV1	1019CCV1.D	10/19/12 09:45
LCS	2J19013-BS1	1019LCS1.D	10/19/12 10:13
Blank	2J19013-BLK1	1019BLK1.D	10/19/12 11:37
GW0782	1210102-13	1010213.D	10/19/12 14:27
GW0783	1210102-15	1010215.D	10/19/12 14:55
GW0784	1210102-17	1010217.D	10/19/12 15:23
GW0785	1210102-19	1010219.D	10/19/12 15:50
GW0795	1210102-21	1010221.D	10/19/12 16:18
GW0796	1210102-23	1010223.D	10/19/12 16:46
GW0797	1210102-25	1010225.D	10/19/12 17:14
GW0798	1210102-27	1010227.D	10/19/12 17:41

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29703	Instrument:	MS-VOA5
Calibration:	2291001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29703-TUN1	1022TUN1.D	10/22/12 06:54
Calibration Check	2J29703-CCV1	1022CCV1.D	10/22/12 07:24
LCS	2J22013-BS1	1022LCS1.D	10/22/12 07:52
Blank	2J22013-BLK1	1022BLK1.D	10/22/12 09:15
GW0747	1210102-01	1010201.D	10/22/12 09:44
GW0753	1210102-03	1010203.D	10/22/12 10:12
GW0769	1210102-05	1010205D.D	10/22/12 10:40
GW0770	1210102-07	1010207D.D	10/22/12 11:07
GW0771	1210102-09	1010209.D	10/22/12 11:35
GW0778	1210102-11	1010211.D	10/22/12 12:03
GW0794	1210135-07	1013507.D	10/22/12 16:13

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29801	Instrument:	MS-VOA5
Calibration:	2291001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29801-TUN1	1023TUN1.D	10/23/12 05:32
Calibration Check	2J29801-CCV1	1023CCV1.D	10/23/12 06:03
LCS	2J22015-BS1	1023LCS1.D	10/23/12 06:30
Blank	2J22015-BLK1	1023BLK1.D	10/23/12 07:53
GW8232-TB	1210135-23	1013523.D	10/23/12 08:21
GW0793	1210135-05	1013505.D	10/23/12 09:17
GW0869	1210135-19	1013519.D	10/23/12 09:44
GW0870	1210135-21	1013521.D	10/23/12 10:12
GW0793	2J22015-MS1	1013505M.D	10/23/12 15:45
GW0793	2J22015-MSD1	1013505D.D	10/23/12 16:13
GW0869	2J22015-MS2	1013519M.D	10/23/12 16:41
GW0869	2J22015-MSD2	1013519S.D	10/23/12 17:08

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29804	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29804-TUN1	1023TUN1.D	10/23/12 09:48
Calibration Check	2J29804-CCV1	1023CCV1.D	10/23/12 10:18
LCS	2J23004-BS1	1023LCS1.D	10/23/12 10:47
Blank	2J23004-BLK1	1023BLK1.D	10/23/12 12:13
GW0767	1210135-01	1013501.D	10/23/12 15:34
GW0768	1210135-03	1013503.D	10/23/12 16:03
GW0844	1210135-09	1013509.D	10/23/12 16:32
GW0845	1210135-11	1013511.D	10/23/12 17:00
GW0846	1210135-13	1013513.D	10/23/12 17:29
GW0847	1210135-15	1013515.D	10/23/12 17:58
GW0868	1210135-17	1013517.D	10/23/12 18:26
LCS Dup	2J23004-BSD1	1023LCD1.D	10/23/12 22:16

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29205	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29205-CCV1)			Lab File ID: 1017CCV1.D			Analyzed: 10/17/12 08:56			
Fluorobenzene	1414220	7.64	1190594	7.62	119	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	560784	10.77	471003	10.76	119	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	470331	13.17	335738	13.15	140	50 - 200	0.0200	+/-0.50	
LCS (2J17023-BS1)			Lab File ID: 1017LCS1.D			Analyzed: 10/17/12 09:24			
Fluorobenzene	1389064	7.64	1414220	7.64	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	557885	10.78	560784	10.77	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	451067	13.17	470331	13.17	96	50 - 200	0.0000	+/-0.50	
Blank (2J17023-BLK1)			Lab File ID: 1017BLK1.D			Analyzed: 10/17/12 10:47			
Fluorobenzene	1325503	7.63	1414220	7.64	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	533220	10.78	560784	10.77	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	385908	13.17	470331	13.17	82	50 - 200	0.0000	+/-0.50	
GW8231-TB (1210102-29)			Lab File ID: 1010229.D			Analyzed: 10/17/12 12:38			
Fluorobenzene	1307283	7.63	1414220	7.64	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	525941	10.77	560784	10.77	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	366696	13.17	470331	13.17	78	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29605	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29605-CCV1)			Lab File ID: 1019CCV1.D			Analyzed: 10/19/12 09:45			
Fluorobenzene	1435103	7.64	1190594	7.62	121	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	557591	10.77	471003	10.76	118	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	462685	13.17	335738	13.15	138	50 - 200	0.0200	+/-0.50	
LCS (2J19013-BS1)			Lab File ID: 1019LCS1.D			Analyzed: 10/19/12 10:13			
Fluorobenzene	1468052	7.63	1435103	7.64	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	568694	10.77	557591	10.77	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	469655	13.17	462685	13.17	102	50 - 200	0.0000	+/-0.50	
Blank (2J19013-BLK1)			Lab File ID: 1019BLK1.D			Analyzed: 10/19/12 11:37			
Fluorobenzene	1356084	7.63	1435103	7.64	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	533448	10.78	557591	10.77	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	362346	13.17	462685	13.17	78	50 - 200	0.0000	+/-0.50	
GW0782 (1210102-13)			Lab File ID: 1010213.D			Analyzed: 10/19/12 14:27			
Fluorobenzene	1354645	7.64	1435103	7.64	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	536984	10.77	557591	10.77	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	358547	13.17	462685	13.17	77	50 - 200	0.0000	+/-0.50	
GW0783 (1210102-15)			Lab File ID: 1010215.D			Analyzed: 10/19/12 14:55			
Fluorobenzene	1333648	7.64	1435103	7.64	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	529252	10.77	557591	10.77	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	361434	13.16	462685	13.17	78	50 - 200	-0.0100	+/-0.50	
GW0784 (1210102-17)			Lab File ID: 1010217.D			Analyzed: 10/19/12 15:23			
Fluorobenzene	1336649	7.63	1435103	7.64	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	527324	10.78	557591	10.77	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	357668	13.17	462685	13.17	77	50 - 200	0.0000	+/-0.50	
GW0785 (1210102-19)			Lab File ID: 1010219.D			Analyzed: 10/19/12 15:50			
Fluorobenzene	1340311	7.64	1435103	7.64	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	516369	10.77	557591	10.77	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	360757	13.17	462685	13.17	78	50 - 200	0.0000	+/-0.50	
GW0795 (1210102-21)			Lab File ID: 1010221.D			Analyzed: 10/19/12 16:18			
Fluorobenzene	1349282	7.64	1435103	7.64	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	529052	10.77	557591	10.77	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	357879	13.17	462685	13.17	77	50 - 200	0.0000	+/-0.50	
GW0796 (1210102-23)			Lab File ID: 1010223.D			Analyzed: 10/19/12 16:46			
Fluorobenzene	1340917	7.63	1435103	7.64	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	515244	10.78	557591	10.77	92	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	353826	13.17	462685	13.17	76	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29605	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0797 (1210102-25)			Lab File ID: 1010225.D			Analyzed: 10/19/12 17:14			
Fluorobenzene	1340302	7.63	1435103	7.64	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	524272	10.77	557591	10.77	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	362269	13.17	462685	13.17	78	50 - 200	0.0000	+/-0.50	
GW0798 (1210102-27)			Lab File ID: 1010227.D			Analyzed: 10/19/12 17:41			
Fluorobenzene	1340507	7.63	1435103	7.64	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	536254	10.77	557591	10.77	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	347678	13.16	462685	13.17	75	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29703	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29703-CCV1)			Lab File ID: 1022CCV1.D			Analyzed: 10/22/12 07:24			
Fluorobenzene	1361965	7.61	1190594	7.62	114	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	549687	10.76	471003	10.76	117	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	437738	13.15	335738	13.15	130	50 - 200	0.0000	+/-0.50	
LCS (2J22013-BS1)			Lab File ID: 1022LCS1.D			Analyzed: 10/22/12 07:52			
Fluorobenzene	1372934	7.61	1361965	7.61	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	554136	10.75	549687	10.76	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	434247	13.15	437738	13.15	99	50 - 200	0.0000	+/-0.50	
Blank (2J22013-BLK1)			Lab File ID: 1022BLK1.D			Analyzed: 10/22/12 09:15			
Fluorobenzene	1325002	7.61	1361965	7.61	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	538855	10.75	549687	10.76	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	362707	13.15	437738	13.15	83	50 - 200	0.0000	+/-0.50	
GW0747 (1210102-01)			Lab File ID: 1010201.D			Analyzed: 10/22/12 09:44			
Fluorobenzene	1314623	7.61	1361965	7.61	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	529693	10.76	549687	10.76	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	348240	13.15	437738	13.15	80	50 - 200	0.0000	+/-0.50	
GW0753 (1210102-03)			Lab File ID: 1010203.D			Analyzed: 10/22/12 10:12			
Fluorobenzene	1305043	7.61	1361965	7.61	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	519860	10.75	549687	10.76	95	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	329670	13.15	437738	13.15	75	50 - 200	0.0000	+/-0.50	
GW0769 (1210102-05)			Lab File ID: 1010205D.D			Analyzed: 10/22/12 10:40			
Fluorobenzene	1294663	7.61	1361965	7.61	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	508228	10.75	549687	10.76	92	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	338019	13.15	437738	13.15	77	50 - 200	0.0000	+/-0.50	
GW0770 (1210102-07)			Lab File ID: 1010207D.D			Analyzed: 10/22/12 11:07			
Fluorobenzene	1282555	7.61	1361965	7.61	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	500103	10.75	549687	10.76	91	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	323555	13.15	437738	13.15	74	50 - 200	0.0000	+/-0.50	
GW0771 (1210102-09)			Lab File ID: 1010209.D			Analyzed: 10/22/12 11:35			
Fluorobenzene	1309926	7.61	1361965	7.61	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	521436	10.75	549687	10.76	95	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	358461	13.15	437738	13.15	82	50 - 200	0.0000	+/-0.50	
GW0778 (1210102-11)			Lab File ID: 1010211.D			Analyzed: 10/22/12 12:03			
Fluorobenzene	1282968	7.62	1361965	7.61	94	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	521002	10.76	549687	10.76	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	336844	13.15	437738	13.15	77	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29703	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0794 (1210135-07)			Lab File ID: 1013507.D			Analyzed: 10/22/12 16:13			
Fluorobenzene	1289148	7.62	1361965	7.61	95	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	509843	10.75	549687	10.76	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	321420	13.16	437738	13.15	73	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29801	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29801-CCV1)			Lab File ID: 1023CCV1.D			Analyzed: 10/23/12 06:03			
Fluorobenzene	1275988	7.61	1190594	7.62	107	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	512014	10.75	471003	10.76	109	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	414062	13.15	335738	13.15	123	50 - 200	0.0000	+/-0.50	
LCS (2J22015-BS1)			Lab File ID: 1023LCS1.D			Analyzed: 10/23/12 06:30			
Fluorobenzene	1288492	7.62	1275988	7.61	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	519289	10.75	512014	10.75	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	417675	13.16	414062	13.15	101	50 - 200	0.0100	+/-0.50	
Blank (2J22015-BLK1)			Lab File ID: 1023BLK1.D			Analyzed: 10/23/12 07:53			
Fluorobenzene	1261194	7.61	1275988	7.61	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	509802	10.76	512014	10.75	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	341201	13.15	414062	13.15	82	50 - 200	0.0000	+/-0.50	
GW8232-TB (1210135-23)			Lab File ID: 1013523.D			Analyzed: 10/23/12 08:21			
Fluorobenzene	1252506	7.61	1275988	7.61	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	507111	10.75	512014	10.75	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	324297	13.15	414062	13.15	78	50 - 200	0.0000	+/-0.50	
GW0793 (1210135-05)			Lab File ID: 1013505.D			Analyzed: 10/23/12 09:17			
Fluorobenzene	1243358	7.61	1275988	7.61	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	499358	10.75	512014	10.75	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	339559	13.15	414062	13.15	82	50 - 200	0.0000	+/-0.50	
GW0869 (1210135-19)			Lab File ID: 1013519.D			Analyzed: 10/23/12 09:44			
Fluorobenzene	1241824	7.6	1275988	7.61	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	499047	10.75	512014	10.75	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	330629	13.15	414062	13.15	80	50 - 200	0.0000	+/-0.50	
GW0870 (1210135-21)			Lab File ID: 1013521.D			Analyzed: 10/23/12 10:12			
Fluorobenzene	1250654	7.61	1275988	7.61	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	495841	10.75	512014	10.75	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	332555	13.14	414062	13.15	80	50 - 200	-0.0100	+/-0.50	
Matrix Spike (2J22015-MS1)			Lab File ID: 1013505M.D			Analyzed: 10/23/12 15:45			
Fluorobenzene	1260357	7.61	1275988	7.61	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	496086	10.75	512014	10.75	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	404344	13.15	414062	13.15	98	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2J22015-MSD1)			Lab File ID: 1013505D.D			Analyzed: 10/23/12 16:13			
Fluorobenzene	1259780	7.62	1275988	7.61	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	510226	10.76	512014	10.75	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	411313	13.15	414062	13.15	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29801	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2J22015-MS2)			Lab File ID: 1013519M.D			Analyzed: 10/23/12 16:41			
Fluorobenzene	1264296	7.61	1275988	7.61	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	511739	10.75	512014	10.75	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	401665	13.16	414062	13.15	97	50 - 200	0.0100	+/-0.50	
Matrix Spike Dup (2J22015-MSD2)			Lab File ID: 1013519S.D			Analyzed: 10/23/12 17:08			
Fluorobenzene	1269760	7.61	1275988	7.61	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	515026	10.76	512014	10.75	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	412286	13.15	414062	13.15	100	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29804	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29804-CCV1)			Lab File ID: 1023CCV1.D			Analyzed: 10/23/12 10:18			
Fluorobenzene	1287601	7.77	1322112	7.95	97	50 - 200	-0.1800	+/-0.50	
Chlorobenzene-d5	530586	10.89	523124	11.06	101	50 - 200	-0.1700	+/-0.50	
1,4-Dichlorobenzene-d4	451274	13.28	431103	13.45	105	50 - 200	-0.1700	+/-0.50	
LCS (2J23004-BS1)			Lab File ID: 1023LCS1.D			Analyzed: 10/23/12 10:47			
Fluorobenzene	1291044	7.77	1287601	7.77	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	530798	10.89	530586	10.89	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	454134	13.28	451274	13.28	101	50 - 200	0.0000	+/-0.50	
Blank (2J23004-BLK1)			Lab File ID: 1023BLK1.D			Analyzed: 10/23/12 12:13			
Fluorobenzene	1184873	7.78	1287601	7.77	92	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	492923	10.89	530586	10.89	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	408115	13.28	451274	13.28	90	50 - 200	0.0000	+/-0.50	
GW0767 (1210135-01)			Lab File ID: 1013501.D			Analyzed: 10/23/12 15:34			
Fluorobenzene	1146074	7.77	1287601	7.77	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	473417	10.89	530586	10.89	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	391843	13.28	451274	13.28	87	50 - 200	0.0000	+/-0.50	
GW0768 (1210135-03)			Lab File ID: 1013503.D			Analyzed: 10/23/12 16:03			
Fluorobenzene	1150583	7.78	1287601	7.77	89	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	482763	10.89	530586	10.89	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	395235	13.29	451274	13.28	88	50 - 200	0.0100	+/-0.50	
GW0844 (1210135-09)			Lab File ID: 1013509.D			Analyzed: 10/23/12 16:32			
Fluorobenzene	1135323	7.77	1287601	7.77	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	473059	10.89	530586	10.89	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	391636	13.28	451274	13.28	87	50 - 200	0.0000	+/-0.50	
GW0845 (1210135-11)			Lab File ID: 1013511.D			Analyzed: 10/23/12 17:00			
Fluorobenzene	1138128	7.78	1287601	7.77	88	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	483004	10.89	530586	10.89	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	390482	13.29	451274	13.28	87	50 - 200	0.0100	+/-0.50	
GW0846 (1210135-13)			Lab File ID: 1013513.D			Analyzed: 10/23/12 17:29			
Fluorobenzene	1139793	7.78	1287601	7.77	89	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	473914	10.89	530586	10.89	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	395193	13.29	451274	13.28	88	50 - 200	0.0100	+/-0.50	
GW0847 (1210135-15)			Lab File ID: 1013515.D			Analyzed: 10/23/12 17:58			
Fluorobenzene	1135896	7.78	1287601	7.77	88	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	468339	10.89	530586	10.89	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	385096	13.28	451274	13.28	85	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29804	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0868 (1210135-17)			Lab File ID: 1013517.D			Analyzed: 10/23/12 18:26			
Fluorobenzene	1139590	7.78	1287601	7.77	89	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	477229	10.89	530586	10.89	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	388154	13.28	451274	13.28	86	50 - 200	0.0000	+/-0.50	
LCS Dup (2J23004-BSD1)			Lab File ID: 1023LCD1.D			Analyzed: 10/23/12 22:16			
Fluorobenzene	1224706	7.78	1287601	7.77	95	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	506963	10.89	530586	10.89	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	438659	13.29	451274	13.28	97	50 - 200	0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
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_065
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_065
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_065
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_065
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_065
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_065
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_065
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_065		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2121003	Instrument:	MS-VOA6		
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.8277083	3.040542	12.06444	0.0394937			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4212623	13.45017	11.14111	3.262536E-02			15	
tert-Butyl alcohol	0.0177652	3.114812	4.438889	0.1349856			15	
Tetrachloroethene	0.5209978	4.094883	10.44222	4.320136E-02			15	
Toluene	1.306882	2.880498	9.711111	3.882733E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.6431937	6.053357	15.96444	3.389544E-02			15	
1,2,4-Trichlorobenzene	0.7381814	5.252041	15.53	7.599921E-03			15	
1,1,2-Trichloroethane	0.4426374	1.531824	9.867778	4.848003E-02			15	
1,1,1-Trichloroethane	0.2930192	6.725129	7.317778	5.889306E-02			15	
Tetrahydrofuran	2.682705E-02	4.716978	6.973333	7.377964E-02			15	
Trichloroethene	0.2340808	2.116677	8.442222	4.746849E-02			15	
Trichlorofluoromethane	0.3110129	6.814927	3.471111	0.1732996			15	
1,2,3-Trichloropropane	0.1727305	3.725216	12.19333	3.802018E-02			15	
1,3,5-Trimethylbenzene	2.198041	3.035595	12.73222	3.176895E-02			15	
1,2,4-Trimethylbenzene	2.208168	3.306208	13.10222	3.678199E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1847629	3.554268	4.348889	7.522899E-02			15	
Vinyl chloride	0.1848242	6.933849	2.381111	0.1402005			CCC (20)	
m,p-Xylene	1.895141	3.964217	11.35333	4.439117E-02			15	
o-Xylene	1.959051	2.382637	11.75	0			15	
Vinyl acetate	0.6467053	7.665063	5.88	1.287752E-02			15	
Xylenes (total)	1.916445	2.97403	11.75	0			15	
Dibromofluoromethane	0.2631144	3.397573	6.932222	0.0649494			15	
1,2-Dichloroethane-d4	6.156409E-02	3.607168	7.423333	6.721134E-02			15	
Toluene-d8	2.250463	5.782973	9.635556	5.182899E-02			15	
tert-Amyl alcohol	1.396476E-02	7.58956	7.14	7.130057E-02			15	
tert-Amyl ethyl ether	0.6279509	2.173103	8.757778	7.543113E-02			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

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	~~0.2093107~~	2	~~0.1838394~~	4	0.137999	10	0.1450872	20	0.1358526	100	0.1292078
Acrolein	2.508	3.822066E-02	5.015	3.074716E-02	10.03	3.095516E-02	25.08	3.189976E-02	50.15	2.502974E-02	250.8	0.0301772
Acrylonitrile	2.498	0.1037199	4.997	0.1020165	9.994	0.1058176	24.98	0.1106814	49.97	0.1079525	249.8	0.1064949
Benzene	0.5	1.028388	1	0.9816032	2	0.9599322	5	1.024188	10	1.01676	50	0.9648804
Bromobenzene	0.5	1.134099	1	1.100652	2	1.0305	5	1.086311	10	0.980951	50	0.8661369
Bromochloromethane	0.5	0.1706723	1	0.1785507	2	0.1790381	5	0.1783228	10	0.1720989	50	0.168626
Tert-Amyl Methyl Ether	0.5	0.7139939	1	0.629713	2	0.6864908	5	0.7518886	10	0.7204948	50	0.7347454
Bromodichloromethane	0.5	0.3318081	1	0.3395327	2	0.3547819	5	0.3893821	10	0.3822455	50	0.3927084
Bromoform	0.5	0.4969803	1	0.4118617	2	0.4067888	5	0.4729397	10	0.5098658	50	0.594906
Bromomethane	0.5	0.2813787	1	0.2582419	2	0.2162678	5	0.2154689	10	0.2282273	50	0.213425
Bromofluorobenzene	30	0.9075324	35	0.8971084	40	0.9064125	50	0.9009446	60	0.90352	70	0.9208705
n-Butylbenzene	0.5	1.151177	1	1.109212	2	1.094426	5	1.319833	10	1.381655	50	1.4688
2-Butanone	1	~~0.2810418~~	2	0.1631233	4	0.1907209	10	0.2079197	20	0.1927078	100	0.1970593
sec-Butylbenzene	0.5	2.094637	1	2.019257	2	2.051515	5	2.278473	10	2.222431	50	2.15841
tert-Butylbenzene	0.5	1.681985	1	1.600949	2	1.62075	5	1.884469	10	1.807701	50	1.760426
Carbon disulfide	0.5	0.6541316	1	0.6638185	2	0.6061679	5	0.6694927	10	0.6702467	50	0.6484019
Carbon tetrachloride	0.5	0.3031986	1	0.3155144	2	0.3185444	5	0.3424039	10	0.3566006	50	0.3797009
Chlorobenzene	0.5	1.684174	1	1.561415	2	1.517603	5	1.680945	10	1.647245	50	1.568832
Chloroethane	0.5	0.2022361	1	0.1907017	2	0.19219	5	0.2063172	10	0.1882053	50	0.1926207
Chloroform	0.5	0.6796314	1	0.5398314	2	0.5025939	5	0.5404865	10	0.5210218	50	0.5192739
2-Chloroethyl vinyl ether	0.9975	0.1985602	1.995	0.1580362	3.99	0.1681127	9.975	0.1930318	19.95	0.1880536	99.75	0.1827217
Chloromethane	0.5	0.5070932	1	0.4133419	2	0.3768373	5	0.3936102	10	0.385891	50	0.3773814
1-Chlorohexane	0.5	~~1.225788~~	1	0.9204429	2	0.8347791	5	0.8619435	10	0.770689	50	0.7897108
2-Chlorotoluene	0.5	2.436396	1	2.442797	2	2.109176	5	2.373815	10	2.204853	50	2.026105
4-Chlorotoluene	0.5	2.478694	1	2.411124	2	2.118618	5	2.450232	10	2.361746	50	2.212235
Cyclohexane	0.5	0.4635052	1	0.4073309	2	0.3790632	5	0.42866	10	0.4086563	50	0.4060051
Dibromochloromethane	0.5	0.6491171	1	0.7198563	2	0.67002	5	0.7713199	10	0.7552968	50	0.8202884
1,2-Dibromo-3-chloropropane	0.5	0.1443687	1	0.1479013	2	0.1092794	5	0.1470075	10	0.1440406	50	0.14606
1,2-Dibromoethane (EDB)	0.5	0.8123185	1	0.6479887	2	0.623019	5	0.7139955	10	0.7127572	50	0.6945692
Dibromomethane	0.5	0.2031172	1	0.2114179	2	0.2074405	5	0.2467592	10	0.2230423	50	0.2234644
1,2-Dichlorobenzene	0.5	1.550127	1	1.335107	2	1.349162	5	1.445306	10	1.355715	50	1.253407

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

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	1.659347	1	1.527997	2	1.462632	5	1.537842	10	1.418009	50	1.341542
1,4-Dichlorobenzene	0.5	1.704623	1	1.621969	2	1.435676	5	1.618494	10	1.517991	50	1.472998
Dichlorodifluoromethane	0.5	0.2418851	1	0.2393317	2	0.2325231	5	0.2584256	10	0.3039863	50	0.2970737
1,1-Dichloroethane	0.5	0.5801718	1	0.5292799	2	0.5433214	5	0.5824807	10	0.5674272	50	0.5517154
1,2-Dichloroethane	0.5	0.4577003	1	0.4664608	2	0.4649445	5	0.4986183	10	0.4653561	50	0.4755698
1,1-Dichloroethene	0.5	0.2258182	1	0.2151328	2	0.1973795	5	0.2358991	10	0.2329928	50	0.226227
cis-1,2-Dichloroethene	0.5	0.3485488	1	0.2942823	2	0.278491	5	0.3126759	10	0.3089413	50	0.2947265
trans-1,2-Dichloroethene	0.5	0.3055309	1	0.3056336	2	0.2551001	5	0.2900334	10	0.2690305	50	0.2686659
1,2-Dichloroethene (total)	1	0.3270399	2	0.2999579	4	0.2667955	10	0.3013546	20	0.2889859	100	0.2816962
1,2-Dichloropropane	0.5	0.3515549	1	0.2857946	2	0.3003938	5	0.3462037	10	0.3205553	50	0.3179448
1,3-Dichloropropane	0.5	0.9764418	1	0.9567702	2	1.006722	5	1.102503	10	1.071811	50	1.064477
2,2-Dichloropropane	0.5	0.4627277	1	0.3879821	2	0.3681245	5	0.4188481	10	0.4015827	50	0.4143792
1,1-Dichloropropene	0.5	0.3584481	1	0.3979661	2	0.3595389	5	0.3879962	10	0.3880272	50	0.3832157
cis-1,3-Dichloropropene	0.5	0.4679624	1	0.4134193	2	0.4252091	5	0.4856114	10	0.476467	50	0.481817
trans-1,3-Dichloropropene	0.5	1.087745	1	0.8734273	2	0.9401482	5	1.04063	10	1.025082	50	1.06396
Diisopropyl Ether	0.5	1.656553	1	1.323716	2	1.355187	5	1.462499	10	1.448533	50	1.416893
Ethylbenzene	0.5	2.958304	1	2.712674	2	2.634324	5	2.834619	10	2.75017	50	2.725992
Ethyl tert-Butyl Ether	0.5	1.04404	1	0.9879754	2	0.9619292	5	1.052878	10	1.030574	50	1.036999
Ethyl Methacrylate	0.5	0.8323399	1	0.729102	2	0.7477697	5	0.8346571	10	0.8215563	50	0.8808551
Hexachlorobutadiene	0.5	0.327858	1	0.27678	2	0.2044853	5	0.2287677	10	0.2401323	50	0.2104516
2-Hexanone	1	0.8759393	2	0.5350726	4	0.6107579	10	0.6638047	20	0.6469072	100	0.6363296
Iodomethane	0.5	0.3814601	1	0.3595522	2	0.352467	5	0.4091521	10	0.4336084	50	0.466603
Isopropylbenzene	0.5	2.096854	1	2.039571	2	2.038669	5	2.223489	10	2.156057	50	2.185784
p-Isopropyltoluene	0.5	1.584283	1	1.521244	2	1.404971	5	1.624106	10	1.596767	50	1.722013
Methylene chloride	0.5	0.3533171	1	0.3178362	2	0.2885012	5	0.3208096	10	0.3086809	50	0.2984568
Methyl Acetate	0.5	~~0.4034874~~	1	0.2549139	2	0.2926477	5	0.2820962	10	0.2809176	50	0.2759045
Methylcyclohexane	0.5	0.2939213	1	0.2609766	2	0.2581909	5	0.286672	10	0.2793021	50	0.2830842
Naphthalene	0.5	0.8803116	1	0.6655084	2	0.7034559	5	0.83726	10	0.8517879	50	0.873391
Methyl Methacrylate	0.5	0.4218866	1	0.3140697	2	0.3161786	5	0.3386494	10	0.3366743	50	0.3418622
4-Methyl-2-pentanone	1	0.4233119	2	0.3322446	4	0.3347934	10	0.3563104	20	0.3608402	100	0.3569288
Methyl t-Butyl Ether	0.5	0.6783875	1	0.6749634	2	0.6094749	5	0.6726878	10	0.6621038	50	0.6681816

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

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	3.263488	1	3.045531	2	2.849074	5	3.308222	10	3.159948	50	2.924052
Styrene	0.5	1.524266	1	1.363255	2	1.434808	5	1.624945	10	1.632284	50	1.722102
1,1,2,2-Tetrachloroethane	0.5	1.104709	1	0.9165126	2	0.921	5	0.9883064	10	0.9455083	50	0.8178914
1,1,1,2-Tetrachloroethane	0.5	0.6827058	1	0.5817603	2	0.5685783	5	0.6867854	10	0.6292395	50	0.6417928
tert-Butyl alcohol	2.5	2.254554E-02	5	1.637166E-02	10	2.132533E-02	25	2.155899E-02	50	2.318905E-02	250	2.262879E-02
Tetrachloroethene	0.5	0.7868965	1	0.7155285	2	0.6774597	5	0.7157279	10	0.6901926	50	0.6780332
Toluene	0.5	1.509645	1	1.488892	2	1.396716	5	1.55292	10	1.475042	50	1.464147
1,2,3-Trichlorobenzene	0.5	0.3755176	1	0.3661866	2	0.3445147	5	0.4011342	10	0.4044343	50	0.3909977
1,2,4-Trichlorobenzene	0.5	0.4722267	1	0.4608244	2	0.4037647	5	0.4728509	10	0.5014627	50	0.4849717
1,1,2-Trichloroethane	0.5	0.6098645	1	0.4990077	2	0.4691162	5	0.526175	10	0.512373	50	0.5147031
1,1,1-Trichloroethane	0.5	0.444173	1	0.4125679	2	0.4039932	5	0.4406439	10	0.4229273	50	0.4301573
Tetrahydrofuran	0.5		1	2.200603E-02	2	1.678959E-02	5	3.064017E-02	10	2.477517E-02	50	2.664395E-02
Trichloroethene	0.5	0.3151192	1	0.3054014	2	0.298117	5	0.3147773	10	0.3008742	50	0.3017606
Trichlorofluoromethane	0.5	0.5168889	1	0.4696856	2	0.4581142	5	0.4884486	10	0.481379	50	0.4732761
1,2,3-Trichloropropane	0.5	0.1645185	1	0.1940294	2	0.2058211	5	0.194572	10	0.206484	50	0.2072864
1,3,5-Trimethylbenzene	0.5	2.080538	1	2.149372	2	1.929088	5	2.251845	10	2.199486	50	2.133291
1,2,4-Trimethylbenzene	0.5	1.697474	1	1.628056	2	1.584926	5	1.869994	10	1.867937	50	1.955528
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2206871	1	0.2292445	2	0.2281858	5	0.2419011	10	0.2319588	50	0.2297067
Vinyl chloride	0.5	0.3213905	1	0.2966557	2	0.2370258	5	0.1823644	10	0.229365	50	0.1869944
m,p-Xylene	1	1.873325	2	2.004391	4	1.92717	10	2.030662	20	1.989148	100	1.95425
o-Xylene	0.5	2.045351	1	1.811181	2	1.877678	5	2.037184	10	1.988475	50	2.052774
Vinyl acetate	0.996	1.021043	1.992	0.9152215	3.984	0.8650078	9.96	0.9646369	19.92	0.9415722	99.62	0.9137966
Xylenes (total)	1.5	1.930667	3	1.939988	6	1.910673	15	2.032836	30	1.988924	150	1.987091
Dibromofluoromethane	30	0.3528567	35	0.3429425	40	0.3432467	50	0.3383209	60	0.3415729	70	0.3422776
1,2-Dichloroethane-d4	30	6.444309E-02	35	6.162721E-02	40	6.201401E-02	50	6.223986E-02	60	6.230871E-02	70	6.209132E-02
Toluene-d8	30	2.287677	35	2.252852	40	2.245046	50	2.203474	60	2.148516	70	2.160796
tert-Amyl alcohol	2.5		5	1.611884E-02	10	0.0162452	25	1.764632E-02	50	1.805149E-02	250	1.781281E-02
tert-Amyl ethyl ether	0.5	0.8325782	1	0.8090635	2	0.775323	5	0.8479465	10	0.8201036	50	0.8272931

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	0.1266626	300	0.1231423	400	0.1178324						
Acrolein	501.5	3.545277E-02	752.2	3.651356E-02	1003	3.745221E-02						
Acrylonitrile	499.7	0.1044768	749.6	0.1039993	999.4	0.1003698						
Benzene	100	0.9235232	150	0.8594138	200	0.7849292						
Bromobenzene	100	0.8881735	150	0.8599457	200	0.8316292						
Bromochloromethane	100	0.1667734	150	0.1606741	200	0.1579936						
Tert-Amyl Methyl Ether	100	0.7262016	150	0.6707946	200	0.6177467						
Bromodichloromethane	100	0.3929716	150	0.3702909	200	0.3476311						
Bromoform	100	0.6462845	150	~~0.6617821~~	200	~~0.659788~~						
Bromomethane	100	0.2108286	150	0.2070282	200	0.2060198						
Bromofluorobenzene	30	0.9824568	30	0.9999227	30	0.9994479						
n-Butylbenzene	100	1.523087	150	1.449184	200	1.348779						
2-Butanone	200	0.195438	300	0.1889607	400	0.1844391						
sec-Butylbenzene	100	2.112831	150	1.921296	200	1.738243						
tert-Butylbenzene	100	1.760964	150	1.674096	200	1.555494						
Carbon disulfide	100	0.6413098	150	0.6082213	200	0.6090515						
Carbon tetrachloride	100	0.3840762	150	0.3669635	200	0.3516571						
Chlorobenzene	100	1.541911	150	1.466087	200	1.381431						
Chloroethane	100	0.1836753	150	0.1742626	200	0.1667518						
Chloroform	100	0.5096551	150	0.4704461	200	0.4420506						
2-Chloroethyl vinyl ether	199.5	0.1804314	299.2	0.1684203	399	0.1572394						
Chloromethane	100	0.3578709	150	0.3365053	200	0.3209209						
1-Chlorohexane	100	0.7767257	150	0.7396203	200	0.7120631						
2-Chlorotoluene	100	1.902054	150	1.764556	200	1.587876						
4-Chlorotoluene	100	2.141204	150	1.983296	200	1.805777						
Cyclohexane	100	0.4070208	150	0.3891092	200	0.3732226						
Dibromochloromethane	100	0.8453414	150	0.8429101	200	0.8141642						
1,2-Dibromo-3-chloropropane	100	0.1572772	150	0.1614128	200	0.1546557						
1,2-Dibromoethane (EDB)	100	0.6986333	150	0.6857349	200	0.6688842						
Dibromomethane	100	0.2208477	150	0.2065651	200	0.197802						
1,2-Dichlorobenzene	100	1.251456	150	1.217215	200	1.144362						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

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	1.336381	150	1.307302	200	1.210477						
1,4-Dichlorobenzene	100	1.465122	150	1.404034	200	1.301508						
Dichlorodifluoromethane	100	0.2883207	150	0.2679091	200	0.2564453						
1,1-Dichloroethane	100	0.5468606	150	0.5220661	200	0.5052939						
1,2-Dichloroethane	100	0.4473436	150	0.4127259	200	0.3872583						
1,1-Dichloroethene	100	0.2225573	150	0.2100764	200	0.2138721						
cis-1,2-Dichloroethene	100	0.2981693	150	0.2856926	200	0.274881						
trans-1,2-Dichloroethene	100	0.2624296	150	0.2483985	200	0.2420407						
1,2-Dichloroethene (total)	200	0.2802994	300	0.2670456	400	0.2584608						
1,2-Dichloropropane	100	0.3118958	150	0.2980104	200	0.2831874						
1,3-Dichloropropane	100	1.067553	150	1.032431	200	0.9749471						
2,2-Dichloropropane	100	0.4025817	150	0.3756275	200	0.3526653						
1,1-Dichloropropene	100	0.3776621	150	0.3571731	200	0.3353771						
cis-1,3-Dichloropropene	100	0.4757073	150	0.4493707	200	0.4159489						
trans-1,3-Dichloropropene	100	1.017311	150	0.9559691	200	0.8866128						
Diisopropyl Ether	100	1.342089	150	1.225994	200	1.115844						
Ethylbenzene	100	2.576414	150	2.335666	200	2.063086						
Ethyl tert-Butyl Ether	100	1.001227	150	0.9096821	200	0.8316089						
Ethyl Methacrylate	100	0.9116472	150	0.8839081	200	0.8561447						
Hexachlorobutadiene	100	0.2507218	150	0.2632424	200	0.2650239						
2-Hexanone	200	0.6392215	300	0.6188601	400	0.5808973						
Iodomethane	100	0.4558964	150	0.4324466	200	0.4359104						
Isopropylbenzene	100	2.110598	150	1.930801	200	1.764106						
p-Isopropyltoluene	100	1.726902	150	1.613216	200	1.476111						
Methylene chloride	100	0.2911459	150	0.2911504	200	0.2826383						
Methyl Acetate	100	0.2647661	150	0.264273	200	0.2523324						
Methylcyclohexane	100	0.2888642	150	0.2710586	200	0.2594319						
Naphthalene	100	0.9609156	150	1.027227	200	0.9662239						
Methyl Methacrylate	100	0.3408883	150	0.3196133	200	0.3028905						
4-Methyl-2-pentanone	200	0.3444019	300	0.3182518	400	0.2882798						
Methyl t-Butyl Ether	100	0.6449987	150	0.607574	200	0.5808785						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2291001	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	10/12/12 15:24	10/12/12 19:06

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	2.742988	150	2.4168	200	2.100691						
Styrene	100	1.722777	150	1.617389	200	1.512023						
1,1,2,2-Tetrachloroethane	100	0.8059682	150	0.7844217	200	0.7425934						
1,1,1,2-Tetrachloroethane	100	0.6655796	150	0.662686	200	0.6518395						
tert-Butyl alcohol	500	2.189285E-02	750	2.152677E-02	1000	2.206532E-02						
Tetrachloroethene	100	0.7022279	150	0.714417	200	0.7136411						
Toluene	100	1.427433	150	1.367729	200	1.304066						
1,2,3-Trichlorobenzene	100	0.441067	150	0.4788034	200	0.4724479						
1,2,4-Trichlorobenzene	100	0.5401172	150	0.5816383	200	0.5677333						
1,1,2-Trichloroethane	100	0.517336	150	0.5117101	200	0.4934725						
1,1,1-Trichloroethane	100	0.4290463	150	0.4029258	200	0.3865336						
Tetrahydrofuran	100	2.671989E-02	150	2.566542E-02	200	2.647819E-02						
Trichloroethene	100	0.2872951	150	0.2697105	200	0.2573622						
Trichlorofluoromethane	100	0.4694212	150	0.4413153	200	0.4223437						
1,2,3-Trichloropropane	100	0.2087153	150	0.2066379	200	0.2038684						
1,3,5-Trimethylbenzene	100	2.053956	150	1.864038	200	1.691768						
1,2,4-Trimethylbenzene	100	1.899135	150	1.78786	200	1.608316						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2283044	150	0.2158549	200	0.2123486						
Vinyl chloride	100	0.1981654	150	~~0.1639443~~	200	~~0.1466384~~						
m,p-Xylene	200	1.741986	300	1.492592	400	1.308365						
o-Xylene	100	1.940067	150	1.777874	200	1.617302						
Vinyl acetate	199.2	0.8136057	298.9	0.6943068	398.5	~~0.6040652~~						
Xylenes (total)	300	1.808013	450	1.587687	600	1.411344						
Dibromofluoromethane	30	0.3393876	30	0.342012	30	0.3453447						
1,2-Dichloroethane-d4	30	6.075024E-02	30	6.202381E-02	30	6.320841E-02						
Toluene-d8	30	2.316447	30	2.435615	30	2.422273						
tert-Amyl alcohol	500	1.824924E-02	750	1.817118E-02	1000	1.797343E-02						
tert-Amyl ethyl ether	100	0.8042518	150	0.7298337	200	0.6696996						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	10/12/12 15:24	10/12/12 19:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.1308263	7.169947	3.421429	0.1107739			15	
Acrolein	3.293869E-02	13.03005	3.321111	0.1019839			15	
Acrylonitrile	0.1050587	2.955386	4.224444	0.1237894			15	
Benzene	0.9492909	8.620587	7.344444	7.245944E-02			15	
Bromobenzene	0.9753776	12.01047	12.10889	0.0144915			15	
Bromochloromethane	0.1703055	4.507879	6.424444	8.158399E-02			15	
Tert-Amyl Methyl Ether	0.6946744	6.768849	7.543333	6.727492E-02			15	
Bromodichloromethane	0.3668169	6.534773	8.341111	4.022106E-02			15	
Bromoform	0.505661	17.59172	11.51143	2.797771E-02		0.9999593	SPCC (0.1)	
Bromomethane	0.2263207	11.54685	2.575555	0.2053272			15	
Bromofluorobenzene	0.9353573	4.777822	11.95	2.025372E-02			15	
n-Butylbenzene	1.316239	12.26201	13.54556	4.202676E-02			15	
2-Butanone	0.1900461	6.781548	5.87	1.747658E-02			15	
sec-Butylbenzene	2.066344	7.876697	13.00556	3.835336E-02			15	
tert-Butylbenzene	1.705204	6.245025	12.77111	2.030234E-02			15	
Carbon disulfide	0.6412047	4.171366	4.406667	0.1140858			15	
Carbon tetrachloride	0.3465177	8.348462	7.311111	8.229499E-02			15	
Chlorobenzene	1.561071	6.428212	10.79111	3.598659E-02			SPCC (0.3)	
Chloroethane	0.1885512	6.604544	2.696667	0.1857631			15	
Chloroform	0.524999	12.60127	6.401111	5.547756E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1771786	8.444776	8.712222	4.758714E-02			15	
Chloromethane	0.3854947	13.93974	2.037778	0.2150863			SPCC (0.1)	
1-Chlorohexane	0.8007468	8.500716	10.7675	4.454654E-02			15	
2-Chlorotoluene	2.094181	14.4823	12.33444	4.387552E-02			15	
4-Chlorotoluene	2.218103	10.33822	12.39444	4.712388E-02			15	
Cyclohexane	0.4069526	6.67736	7.241111	4.219525E-02			15	
Dibromochloromethane	0.7653683	9.53649	10.02	1.919963E-02			15	
1,2-Dibromo-3-chloropropane	0.1457781	10.28602	14.13889	1.933973E-02			15	
1,2-Dibromoethane (EDB)	0.6953223	7.645976	10.23444	5.380092E-02			15	
Dibromomethane	0.2156063	6.867565	8.275556	6.274539E-02			15	
1,2-Dichlorobenzene	1.322429	9.319326	13.49556	3.668195E-02			15	
1,3-Dichlorobenzene	1.422392	9.765556	13.08889	4.337518E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	10/12/12 15:24	10/12/12 19:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.504713	8.327264	13.18111	4.258517E-02			15	
Dichlorodifluoromethane	0.2651001	9.859331	1.845556	0.2856368			15	
1,1-Dichloroethane	0.5476241	4.780995	5.418889	5.933679E-02			SPCC (0.1)	
1,2-Dichloroethane	0.4528864	7.432713	7.172222	6.209681E-02			15	
1,1-Dichloroethene	0.219995	5.502211	3.871111	0.1550187			CCC (20)	
cis-1,2-Dichloroethene	0.299601	7.424506	6.144444	8.827927E-02			15	
trans-1,2-Dichloroethene	0.2718737	8.657721	5.04	9.962629E-02			15	
1,2-Dichloroethene (total)	0.2857373	7.486324	6.144444	8.827927E-02			15	
1,2-Dichloropropane	0.3128379	7.734725	8.164444	6.216083E-02			CCC (20)	
1,3-Dichloropropane	1.028184	5.028358	9.767778	6.969679E-02			15	
2,2-Dichloropropane	0.3982799	8.171856	6.252222	7.058938E-02			15	
1,1-Dichloropropene	0.3717116	5.417463	7.192222	6.275141E-02			15	
cis-1,3-Dichloropropene	0.4546126	6.453357	8.923333	5.284769E-02			15	
trans-1,3-Dichloropropene	0.9878761	7.795565	9.402222	4.663104E-02			15	
Diisopropyl Ether	1.371923	11.15829	5.802222	7.784852E-02			15	
Ethylbenzene	2.62125	10.36353	10.94444	4.993597E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.9841015	7.438849	6.275556	8.592307E-02			15	
Ethyl Methacrylate	0.8331089	7.325389	9.6	4.887049E-02			15	
Hexachlorobutadiene	0.2519403	14.9377	15.49778	2.865142E-02			15	
2-Hexanone	0.64531	14.68557	9.708889	6.396247E-02			15	
Iodomethane	0.4141218	9.941711	4.062222	0.1064841			15	
Isopropylbenzene	2.060659	6.880268	11.84444	4.914158E-02			15	
p-Isopropyltoluene	1.585513	6.678641	13.14444	0.0373946			15	
Methylene chloride	0.3058374	7.270345	4.355556	0.121083			15	
Methyl Acetate	0.2709814	5.229151	4.21	0.1259766			15	
Methylcyclohexane	0.2757224	4.97078	8.495555	6.049599E-02			15	
Naphthalene	0.8628979	13.76505	15.36	1.759729E-02			15	
Methyl Methacrylate	0.3369681	10.31889	8.306667	5.808503E-02			15	
4-Methyl-2-pentanone	0.3461514	10.63507	8.851111	0.0427818			15	
Methyl t-Butyl Ether	0.6443611	5.590097	5.03	1.761348E-02			15	
n-Propylbenzene	2.867866	13.93909	12.25333	3.966289E-02			15	
Styrene	1.57265	7.853373	11.41889	2.195589E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	10/12/12 15:24	10/12/12 19:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.891879	12.88279	11.76778	5.755305E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.6412186	6.505399	10.83444	4.503166E-02			15	
tert-Butyl alcohol	2.145603E-02	9.323035	3.998889	8.342015E-02			15	
Tetrachloroethene	0.7104583	4.599011	10.13333	5.271432E-02			15	
Toluene	1.442954	5.337669	9.4	4.407662E-03			CCC (20)	
1,2,3-Trichlorobenzene	0.4083448	11.43467	15.64778	2.504416E-02			15	
1,2,4-Trichlorobenzene	0.4983989	11.29925	15.21222	2.863628E-02			15	
1,1,2-Trichloroethane	0.5170842	7.469048	9.554445	5.725395E-02			15	
1,1,1-Trichloroethane	0.4192187	4.558507	6.966667	7.320109E-02			15	
Tetrahydrofuran	0.0249648	16.34235	6.61	0.0180108	0.9995332		0.995	
Trichloroethene	0.2944908	6.692227	8.115555	6.266205E-02			15	
Trichlorofluoromethane	0.4689858	5.793276	3.15	0.1588719			15	
1,2,3-Trichloropropane	0.1991037	7.060199	11.89111	0.0147569			15	
1,3,5-Trimethylbenzene	2.039265	8.795024	12.43333	4.248275E-02			15	
1,2,4-Trimethylbenzene	1.766581	7.92246	12.80222	4.014229E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2264658	3.944156	3.947778	0.2110514			15	
Vinyl chloride	0.2359945	23.03148	2.175714	0.2462423	0.9988621		CCC (20)	*
m,p-Xylene	1.813543	13.97709	11.05778	5.889907E-02			15	
o-Xylene	1.905321	7.777756	11.44778	3.791632E-02			15	
Vinyl acetate	0.8911488	11.32924	5.49875	6.399563E-02			15	
Xylenes (total)	1.844136	11.38244	11.44778	3.791632E-02			15	
Dibromofluoromethane	0.3431068	1.223972	6.572222	6.593489E-02			15	
1,2-Dichloroethane-d4	6.230074E-02	1.652363	7.081111	4.893599E-02			15	
Toluene-d8	2.274744	4.528986	9.322222	4.878895E-02			15	
tert-Amyl alcohol	1.753356E-02	4.883647	6.7775	6.889731E-02			15	
tert-Amyl ethyl ether	0.790677	7.256792	8.443333	5.558737E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
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_065
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_065
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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV2.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/12/12
Lab Sample ID:	2J29101-ICV2	Injection Time:	20:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	189.2	0.1308263	0.1237894		-5.4	20
Benzene	A	100.0	86.88	0.9492909	0.8247049		-13.1	20
Bromobenzene	A	100.0	81.33	0.9753776	0.7932768		-18.7	20
Bromochloromethane	A	100.0	86.26	0.1703055	0.146908		-13.7	20
Bromodichloromethane	A	100.0	91.88	0.3668169	0.3370203		-8.1	20
Bromoform	Q	100.0	93.61	0.505661	0.5989334	0.1	-6.4	20
Bromomethane	A	100.0	83.82	0.2263207	0.1897067		-16.2	20
n-Butylbenzene	A	100.0	103.7	1.316239	1.364641		3.7	20
2-Butanone	A	200.0	200.3	0.1900461	0.1903028		0.1	20
sec-Butylbenzene	A	100.0	90.33	2.066344	1.866628		-9.7	20
tert-Butylbenzene	A	100.0	90.30	1.705204	1.539855		-9.7	20
Carbon disulfide	A	100.0	87.62	0.6412047	0.5617964		-12.4	20
Carbon tetrachloride	A	100.0	95.73	0.3465177	0.3317074		-4.3	20
Chlorobenzene	A	100.0	90.63	1.561071	1.414764	0.3	-9.4	20
Chloroethane	A	100.0	83.58	0.1885512	0.1575968		-16.4	20
Chloroform	A	100.0	83.87	0.524999	0.4403183		-16.1	20
Chloromethane	A	100.0	80.20	0.3854947	0.3091732	0.1	-19.8	20
2-Chlorotoluene	A	100.0	81.73	2.094181	1.711597		-18.3	20
4-Chlorotoluene	A	100.0	85.16	2.218103	1.888959		-14.8	20
Dibromochloromethane	A	100.0	101.3	0.7653683	0.7754495		1.3	20
1,2-Dibromo-3-chloropropane	A	100.0	99.91	0.1457781	0.1456403		-0.09	20
1,2-Dibromoethane (EDB)	A	100.0	91.92	0.6953223	0.6391628		-8.1	20
Dibromomethane	A	100.0	88.98	0.2156063	0.1918446		-11.0	20
1,2-Dichlorobenzene	A	100.0	86.31	1.322429	1.141337		-13.7	20
1,3-Dichlorobenzene	A	100.0	84.66	1.422392	1.204134		-15.3	20
1,4-Dichlorobenzene	A	100.0	87.81	1.504713	1.321271		-12.2	20
Dichlorodifluoromethane	A	100.0	91.99	0.2651001	0.2438581		-8.0	20
1,1-Dichloroethane	A	100.0	88.30	0.5476241	0.4835784	0.1	-11.7	20
1,2-Dichloroethane	A	100.0	85.78	0.4528864	0.3884664		-14.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV2.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/12/12
Lab Sample ID:	2J29101-ICV2	Injection Time:	20:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	87.91	0.219995	0.1933946		-12.1	20
cis-1,2-Dichloroethene	A	100.0	87.31	0.299601	0.2615895		-12.7	20
trans-1,2-Dichloroethene	A	100.0	85.14	0.2718737	0.2314696		-14.9	20
1,2-Dichloropropane	A	100.0	88.52	0.3128379	0.2769166		-11.5	20
1,3-Dichloropropane	A	100.0	94.08	1.028184	0.9672779		-5.9	20
2,2-Dichloropropane	A	100.0	83.80	0.3982799	0.3337392		-16.2	20
1,1-Dichloropropene	A	100.0	88.15	0.3717116	0.3276608		-11.9	20
cis-1,3-Dichloropropene	A	100.0	91.20	0.4546126	0.4146255		-8.8	20
trans-1,3-Dichloropropene	A	100.0	92.25	0.9878761	0.9112792		-7.8	20
Ethylbenzene	A	100.0	89.33	2.62125	2.341602		-10.7	20
Hexachlorobutadiene	A	100.0	90.42	0.2519403	0.227815		-9.6	20
2-Hexanone	A	200.0	194.0	0.64531	0.6261081		-3.0	20
Isopropylbenzene	A	100.0	92.92	2.060659	1.914713		-7.1	20
p-Isopropyltoluene	A	100.0	94.67	1.585513	1.50102		-5.3	20
Methylene chloride	A	100.0	85.75	0.3058374	0.2622497		-14.3	20
Naphthalene	A	100.0	101.6	0.8628979	0.8768548		1.6	20
4-Methyl-2-pentanone	A	200.0	189.6	0.3461514	0.3281836		-5.2	20
Methyl t-Butyl Ether	A	100.0	88.56	0.6443611	0.570629		-11.4	20
n-Propylbenzene	A	100.0	84.42	2.867866	2.42105		-15.6	20
Styrene	A	100.0	99.54	1.57265	1.565459		-0.5	20
1,1,2,2-Tetrachloroethane	A	100.0	81.50	0.891879	0.7268652	0.3	-18.5	20
1,1,1,2-Tetrachloroethane	A	100.0	95.36	0.6412186	0.6114397		-4.6	20
Tetrachloroethene	A	100.0	90.91	0.7104583	0.6458528		-9.1	20
Toluene	A	100.0	89.65	1.442954	1.29367		-10.3	20
1,2,3-Trichlorobenzene	A	100.0	99.68	0.4083448	0.4070406		-0.3	20
1,2,4-Trichlorobenzene	A	100.0	101.4	0.4983989	0.5052836		1.4	20
1,1,2-Trichloroethane	A	100.0	92.15	0.5170842	0.4764956		-7.8	20
1,1,1-Trichloroethane	A	100.0	88.56	0.4192187	0.3712762		-11.4	20
Trichloroethene	A	100.0	84.99	0.2944908	0.2502824		-15.0	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV2.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/12/12
Lab Sample ID:	2J29101-ICV2	Injection Time:	20:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	85.72	0.4689858	0.4019954		-14.3	20
1,2,3-Trichloropropane	A	100.0	94.83	0.1991037	0.1888084		-5.2	20
1,3,5-Trimethylbenzene	A	100.0	88.97	2.039265	1.814233		-11.0	20
1,2,4-Trimethylbenzene	A	100.0	96.97	1.766581	1.713118		-3.0	20
Xylenes (total)	A	300.0	268.6	1.844136	1.652238		-10.4	20
Bromofluorobenzene	A	30.00	31.47	0.9353573	0.981069		4.9	20
Dibromofluoromethane	A	30.00	29.34	0.3431068	0.3355545		-2.2	20
1,2-Dichloroethane-d4	A	30.00	30.49	6.230074E-02	6.332127E-02		1.6	20
Toluene-d8	A	30.00	31.27	2.274744	2.3712		4.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV3.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/16/12
Lab Sample ID:	2J29101-ICV3	Injection Time:	14:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	L	50.00	46.28	0.2359945	0.1820071		-7.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1017CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29205	Injection Date:	10/17/12
Lab Sample ID:	2J29205-CCV1	Injection Time:	08:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100.0	85.16	0.1308263	0.1114074		-14.8	20
Benzene	A	50.00	48.38	0.9492909	0.9184813		-3.2	20
Bromobenzene	A	50.00	43.91	0.9753776	0.8566448		-12.2	20
Bromochloromethane	A	50.00	48.90	0.1703055	0.1665594		-2.2	20
Bromodichloromethane	A	50.00	54.26	0.3668169	0.3980886		8.5	20
Bromoform	Q	50.00	50.31	0.505661	0.5968351	0.1	0.6	20
Bromomethane	A	50.00	48.33	0.2263207	0.2187559		-3.3	20
n-Butylbenzene	A	50.00	54.99	1.316239	1.447615		10.0	20
2-Butanone	A	100.0	103.6	0.1900461	0.1969088		3.6	20
sec-Butylbenzene	A	50.00	53.64	2.066344	2.216967		7.3	20
tert-Butylbenzene	A	50.00	51.27	1.705204	1.748558		2.5	20
Carbon disulfide	A	50.00	57.54	0.6412047	0.737917		15.1	20
Carbon tetrachloride	A	50.00	51.12	0.3465177	0.3542453		2.2	20
Chlorobenzene	A	50.00	51.30	1.561071	1.601781	0.3	2.6	20
Chloroethane	A	50.00	48.83	0.1885512	0.1841425		-2.3	20
Chloroform	A	50.00	47.89	0.524999	0.502802		-4.2	20
Chloromethane	A	50.00	52.16	0.3854947	0.4021398	0.1	4.3	20
2-Chlorotoluene	A	50.00	49.55	2.094181	2.07538		-0.9	20
4-Chlorotoluene	A	50.00	52.34	2.218103	2.321776		4.7	20
Dibromochloromethane	A	50.00	53.76	0.7653683	0.8229061		7.5	20
1,2-Dibromo-3-chloropropane	A	50.00	57.10	0.1457781	0.1664913		14.2	20
1,2-Dibromoethane (EDB)	A	50.00	50.48	0.6953223	0.7019922		1.0	20
Dibromomethane	A	50.00	51.57	0.2156063	0.2223549		3.1	20
1,2-Dichlorobenzene	A	50.00	49.18	1.322429	1.300807		-1.6	20
1,3-Dichlorobenzene	A	50.00	50.03	1.422392	1.423135		0.05	20
1,4-Dichlorobenzene	A	50.00	47.32	1.504713	1.424084		-5.4	20
Dichlorodifluoromethane	A	50.00	60.08	0.2651001	0.31857		20.2	20 *
1,1-Dichloroethane	A	50.00	50.21	0.5476241	0.5499057	0.1	0.4	20
1,2-Dichloroethane	A	50.00	52.22	0.4528864	0.4730379		4.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1017CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29205	Injection Date:	10/17/12
Lab Sample ID:	2J29205-CCV1	Injection Time:	08:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	50.00	55.09	0.219995	0.2423848		10.2	20
cis-1,2-Dichloroethene	A	50.00	48.59	0.299601	0.2911338		-2.8	20
trans-1,2-Dichloroethene	A	50.00	48.64	0.2718737	0.2644799		-2.7	20
1,2-Dichloropropane	A	50.00	49.45	0.3128379	0.3094055		-1.1	20
1,3-Dichloropropane	A	50.00	49.96	1.028184	1.027417		-0.07	20
2,2-Dichloropropane	A	50.00	52.54	0.3982799	0.4185316		5.1	20
1,1-Dichloropropene	A	50.00	50.92	0.3717116	0.3785801		1.8	20
cis-1,3-Dichloropropene	A	50.00	49.17	0.4546126	0.4470679		-1.7	20
trans-1,3-Dichloropropene	A	50.00	56.41	0.9878761	1.114562		12.8	20
Ethylbenzene	A	50.00	48.70	2.62125	2.553167		-2.6	20
Hexachlorobutadiene	A	50.00	44.70	0.2519403	0.2252244		-10.6	20
2-Hexanone	A	100.0	106.5	0.64531	0.6871111		6.5	20
Isopropylbenzene	A	50.00	49.87	2.060659	2.055455		-0.3	20
p-Isopropyltoluene	A	50.00	54.80	1.585513	1.737811		9.6	20
Methylene chloride	A	50.00	47.77	0.3058374	0.2922275		-4.5	20
Naphthalene	A	50.00	51.76	0.8628979	0.893219		3.5	20
4-Methyl-2-pentanone	A	100.0	111.9	0.3461514	0.3874035		11.9	20
Methyl t-Butyl Ether	A	50.00	52.82	0.6443611	0.6807341		5.6	20
n-Propylbenzene	A	50.00	52.38	2.867866	3.004248		4.8	20
Styrene	A	50.00	52.53	1.57265	1.652219		5.1	20
1,1,2,2-Tetrachloroethane	A	50.00	47.70	0.891879	0.8508136	0.3	-4.6	20
1,1,1,2-Tetrachloroethane	A	50.00	49.51	0.6412186	0.634884		-1.0	20
Tetrachloroethene	A	50.00	46.03	0.7104583	0.6540968		-7.9	20
Toluene	A	50.00	46.87	1.442954	1.352744		-6.3	20
1,2,3-Trichlorobenzene	A	50.00	47.68	0.4083448	0.3894079		-4.6	20
1,2,4-Trichlorobenzene	A	50.00	48.62	0.4983989	0.4846336		-2.8	20
1,1,2-Trichloroethane	A	50.00	48.04	0.5170842	0.4968341		-3.9	20
1,1,1-Trichloroethane	A	50.00	49.56	0.4192187	0.4155359		-0.9	20
Trichloroethene	A	50.00	48.40	0.2944908	0.2850558		-3.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1017CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29205	Injection Date:	10/17/12
Lab Sample ID:	2J29205-CCV1	Injection Time:	08:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	50.00	49.39	0.4689858	0.463296		-1.2	20
1,2,3-Trichloropropane	A	50.00	51.99	0.1991037	0.207038		4.0	20
1,3,5-Trimethylbenzene	A	50.00	48.09	2.039265	1.961327		-3.8	20
1,2,4-Trimethylbenzene	A	50.00	51.65	1.766581	1.824958		3.3	20
Vinyl chloride	L	50.00	53.96	0.2359945	0.2120237		7.9	20
Xylenes (total)	A	150.0	158.6	1.844136	1.951574		5.8	20
Bromofluorobenzene	A	30.00	30.12	0.9353573	0.9390728		0.4	20
Dibromofluoromethane	A	30.00	31.06	0.3431068	0.3552538		3.5	20
1,2-Dichloroethane-d4	A	30.00	30.86	6.230074E-02	6.409116E-02		2.9	20
Toluene-d8	A	30.00	29.73	2.274744	2.254503		-0.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1019CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29605	Injection Date:	10/19/12
Lab Sample ID:	2J29605-CCV1	Injection Time:	09:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100.0	75.57	0.1308263	9.886726E-02		-24.4	20 *
Benzene	A	50.00	46.35	0.9492909	0.8799683		-7.3	20
Bromobenzene	A	50.00	43.42	0.9753776	0.8469222		-13.2	20
Bromochloromethane	A	50.00	46.86	0.1703055	0.1596094		-6.3	20
Bromodichloromethane	A	50.00	48.17	0.3668169	0.3534098		-3.7	20
Bromoform	Q	50.00	44.59	0.505661	0.5232491	0.1	-10.8	20
Bromomethane	A	50.00	42.32	0.2263207	0.191561		-15.4	20
n-Butylbenzene	A	50.00	51.75	1.316239	1.362376		3.5	20
2-Butanone	A	100.0	90.99	0.1900461	0.1729291		-9.0	20
sec-Butylbenzene	A	50.00	51.84	2.066344	2.142215		3.7	20
tert-Butylbenzene	A	50.00	49.64	1.705204	1.693066		-0.7	20
Carbon disulfide	A	50.00	60.93	0.6412047	0.7813977		21.9	20 *
Carbon tetrachloride	A	50.00	44.68	0.3465177	0.3096476		-10.6	20
Chlorobenzene	A	50.00	50.66	1.561071	1.581823	0.3	1.3	20
Chloroethane	A	50.00	50.87	0.1885512	0.1918328		1.7	20
Chloroform	A	50.00	43.21	0.524999	0.4537217		-13.6	20
Chloromethane	A	50.00	56.68	0.3854947	0.4370203	0.1	13.4	20
2-Chlorotoluene	A	50.00	47.37	2.094181	1.984148		-5.3	20
4-Chlorotoluene	A	50.00	49.63	2.218103	2.201899		-0.7	20
Dibromochloromethane	A	50.00	49.86	0.7653683	0.763225		-0.3	20
1,2-Dibromo-3-chloropropane	A	50.00	51.23	0.1457781	0.1493733		2.5	20
1,2-Dibromoethane (EDB)	A	50.00	47.16	0.6953223	0.6558226		-5.7	20
Dibromomethane	A	50.00	48.12	0.2156063	0.2075132		-3.8	20
1,2-Dichlorobenzene	A	50.00	49.01	1.322429	1.29623		-2.0	20
1,3-Dichlorobenzene	A	50.00	48.08	1.422392	1.367762		-3.8	20
1,4-Dichlorobenzene	A	50.00	45.69	1.504713	1.375017		-8.6	20
Dichlorodifluoromethane	A	50.00	69.44	0.2651001	0.3681532		38.9	20 *
1,1-Dichloroethane	A	50.00	45.46	0.5476241	0.4978597	0.1	-9.1	20
1,2-Dichloroethane	A	50.00	44.60	0.4528864	0.4039709		-10.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1019CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29605	Injection Date:	10/19/12
Lab Sample ID:	2J29605-CCV1	Injection Time:	09:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	50.00	48.86	0.219995	0.2149978		-2.3	20
cis-1,2-Dichloroethene	A	50.00	46.30	0.299601	0.277413		-7.4	20
trans-1,2-Dichloroethene	A	50.00	44.77	0.2718737	0.2434341		-10.5	20
1,2-Dichloropropane	A	50.00	47.68	0.3128379	0.2983396		-4.6	20
1,3-Dichloropropane	A	50.00	48.66	1.028184	1.000657		-2.7	20
2,2-Dichloropropane	A	50.00	43.36	0.3982799	0.3453607		-13.3	20
1,1-Dichloropropene	A	50.00	45.38	0.3717116	0.3373802		-9.2	20
cis-1,3-Dichloropropene	A	50.00	44.46	0.4546126	0.4042121		-11.1	20
trans-1,3-Dichloropropene	A	50.00	51.56	0.9878761	1.018697		3.1	20
Ethylbenzene	A	50.00	46.76	2.62125	2.451497		-6.5	20
Hexachlorobutadiene	A	50.00	45.34	0.2519403	0.2284639		-9.3	20
2-Hexanone	A	100.0	100.5	0.64531	0.6487422		0.5	20
Isopropylbenzene	A	50.00	47.23	2.060659	1.94644		-5.5	20
p-Isopropyltoluene	A	50.00	52.39	1.585513	1.661249		4.8	20
Methylene chloride	A	50.00	46.66	0.3058374	0.2854014		-6.7	20
Naphthalene	A	50.00	50.96	0.8628979	0.8795427		1.9	20
4-Methyl-2-pentanone	A	100.0	103.7	0.3461514	0.3590339		3.7	20
Methyl t-Butyl Ether	A	50.00	47.38	0.6443611	0.610637		-5.2	20
n-Propylbenzene	A	50.00	50.64	2.867866	2.904553		1.3	20
Styrene	A	50.00	50.79	1.57265	1.597504		1.6	20
1,1,2,2-Tetrachloroethane	A	50.00	45.59	0.891879	0.8132591	0.3	-8.8	20
1,1,1,2-Tetrachloroethane	A	50.00	47.23	0.6412186	0.6057365		-5.5	20
Tetrachloroethene	A	50.00	44.76	0.7104583	0.635993		-10.5	20
Toluene	A	50.00	46.65	1.442954	1.346412		-6.7	20
1,2,3-Trichlorobenzene	A	50.00	49.36	0.4083448	0.4031296		-1.3	20
1,2,4-Trichlorobenzene	A	50.00	48.95	0.4983989	0.4879259		-2.1	20
1,1,2-Trichloroethane	A	50.00	47.91	0.5170842	0.4955213		-4.2	20
1,1,1-Trichloroethane	A	50.00	40.81	0.4192187	0.3422067		-18.4	20
Trichloroethene	A	50.00	45.20	0.2944908	0.2662408		-9.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1019CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29605	Injection Date:	10/19/12
Lab Sample ID:	2J29605-CCV1	Injection Time:	09:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	50.00	43.57	0.4689858	0.4087028		-12.9	20
1,2,3-Trichloropropane	A	50.00	48.54	0.1991037	0.1932836		-2.9	20
1,3,5-Trimethylbenzene	A	50.00	45.56	2.039265	1.858094		-8.9	20
1,2,4-Trimethylbenzene	A	50.00	50.44	1.766581	1.782261		0.9	20
Vinyl chloride	L	50.00	52.16	0.2359945	0.2049624		4.3	20
Xylenes (total)	A	150.0	150.6	1.844136	1.852469		0.5	20
Bromofluorobenzene	A	30.00	30.26	0.9353573	0.9436128		0.9	20
Dibromofluoromethane	A	30.00	29.12	0.3431068	0.3330346		-2.9	20
1,2-Dichloroethane-d4	A	30.00	30.17	6.230074E-02	6.265961E-02		0.6	20
Toluene-d8	A	30.00	30.92	2.274744	2.344129		3.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1022CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29703	Injection Date:	10/22/12
Lab Sample ID:	2J29703-CCV1	Injection Time:	07:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100.0	80.86	0.1308263	0.1057882		-19.1	20	
Benzene	A	50.00	48.79	0.9492909	0.9262533		-2.4	20	
Bromobenzene	A	50.00	44.44	0.9753776	0.8668706		-11.1	20	
Bromochloromethane	A	50.00	48.06	0.1703055	0.1636985		-3.9	20	
Bromodichloromethane	A	50.00	51.07	0.3668169	0.3746924		2.1	20	
Bromoform	Q	50.00	43.17	0.505661	0.5050936	0.1	-13.7	20	
Bromomethane	A	50.00	48.19	0.2263207	0.2181439		-3.6	20	
n-Butylbenzene	A	50.00	52.53	1.316239	1.382711		5.1	20	
2-Butanone	A	100.0	99.46	0.1900461	0.1890163		-0.5	20	
sec-Butylbenzene	A	50.00	54.22	2.066344	2.240677		8.4	20	
tert-Butylbenzene	A	50.00	52.45	1.705204	1.788692		4.9	20	
Carbon disulfide	A	50.00	68.05	0.6412047	0.8727119		36.1	20	*
Carbon tetrachloride	A	50.00	49.98	0.3465177	0.3463512		-0.05	20	
Chlorobenzene	A	50.00	50.34	1.561071	1.571531	0.3	0.7	20	
Chloroethane	A	50.00	55.04	0.1885512	0.2075644		10.1	20	
Chloroform	A	50.00	46.12	0.524999	0.4843076		-7.8	20	
Chloromethane	A	50.00	62.52	0.3854947	0.482019	0.1	25.0	20	*
2-Chlorotoluene	A	50.00	50.61	2.094181	2.119931		1.2	20	
4-Chlorotoluene	A	50.00	51.38	2.218103	2.279396		2.8	20	
Dibromochloromethane	A	50.00	49.82	0.7653683	0.7626675		-0.4	20	
1,2-Dibromo-3-chloropropane	A	50.00	49.70	0.1457781	0.1449168		-0.6	20	
1,2-Dibromoethane (EDB)	A	50.00	46.60	0.6953223	0.6480808		-6.8	20	
Dibromomethane	A	50.00	49.65	0.2156063	0.2141046		-0.7	20	
1,2-Dichlorobenzene	A	50.00	49.40	1.322429	1.306525		-1.2	20	
1,3-Dichlorobenzene	A	50.00	48.89	1.422392	1.390736		-2.2	20	
1,4-Dichlorobenzene	A	50.00	46.09	1.504713	1.386983		-7.8	20	
Dichlorodifluoromethane	A	50.00	81.74	0.2651001	0.4333926		63.5	20	*
1,1-Dichloroethane	A	50.00	49.57	0.5476241	0.5428703	0.1	-0.9	20	
1,2-Dichloroethane	A	50.00	47.94	0.4528864	0.4342697		-4.1	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1022CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29703	Injection Date:	10/22/12
Lab Sample ID:	2J29703-CCV1	Injection Time:	07:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	50.00	55.85	0.219995	0.2457512		11.7	20
cis-1,2-Dichloroethene	A	50.00	47.37	0.299601	0.2838395		-5.3	20
trans-1,2-Dichloroethene	A	50.00	49.18	0.2718737	0.2674139		-1.6	20
1,2-Dichloropropane	A	50.00	49.71	0.3128379	0.3110459		-0.6	20
1,3-Dichloropropane	A	50.00	47.43	1.028184	0.9753172		-5.1	20
2,2-Dichloropropane	A	50.00	49.33	0.3982799	0.3929621		-1.3	20
1,1-Dichloropropene	A	50.00	50.58	0.3717116	0.376048		1.2	20
cis-1,3-Dichloropropene	A	50.00	46.75	0.4546126	0.4250484		-6.5	20
trans-1,3-Dichloropropene	A	50.00	53.52	0.9878761	1.057392		7.0	20
Ethylbenzene	A	50.00	47.80	2.62125	2.505713		-4.4	20
Hexachlorobutadiene	A	50.00	44.07	0.2519403	0.2220671		-11.9	20
2-Hexanone	A	100.0	98.67	0.64531	0.6367158		-1.3	20
Isopropylbenzene	A	50.00	48.33	2.060659	1.991669		-3.3	20
p-Isopropyltoluene	A	50.00	53.84	1.585513	1.707213		7.7	20
Methylene chloride	A	50.00	48.05	0.3058374	0.2939305		-3.9	20
Naphthalene	A	50.00	45.39	0.8628979	0.7833549		-9.2	20
4-Methyl-2-pentanone	A	100.0	110.0	0.3461514	0.3806234		10.0	20
Methyl t-Butyl Ether	A	50.00	50.47	0.6443611	0.6503907		0.9	20
n-Propylbenzene	A	50.00	53.83	2.867866	3.087663		7.7	20
Styrene	A	50.00	51.23	1.57265	1.611223		2.5	20
1,1,2,2-Tetrachloroethane	A	50.00	45.94	0.891879	0.8194833	0.3	-8.1	20
1,1,1,2-Tetrachloroethane	A	50.00	47.17	0.6412186	0.6049064		-5.7	20
Tetrachloroethene	A	50.00	44.97	0.7104583	0.6390397		-10.1	20
Toluene	A	50.00	46.39	1.442954	1.338888		-7.2	20
1,2,3-Trichlorobenzene	A	50.00	45.25	0.4083448	0.3695896		-9.5	20
1,2,4-Trichlorobenzene	A	50.00	44.78	0.4983989	0.4463273		-10.4	20
1,1,2-Trichloroethane	A	50.00	45.31	0.5170842	0.4685819		-9.4	20
1,1,1-Trichloroethane	A	50.00	47.05	0.4192187	0.3945132		-5.9	20
Trichloroethene	A	50.00	48.74	0.2944908	0.287051		-2.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1022CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29703	Injection Date:	10/22/12
Lab Sample ID:	2J29703-CCV1	Injection Time:	07:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	50.00	50.44	0.4689858	0.4730813		0.9	20
1,2,3-Trichloropropane	A	50.00	46.74	0.1991037	0.1861103		-6.5	20
1,3,5-Trimethylbenzene	A	50.00	47.06	2.039265	1.919454		-5.9	20
1,2,4-Trimethylbenzene	A	50.00	50.04	1.766581	1.768049		0.08	20
Vinyl chloride	L	50.00	60.82	0.2359945	0.2388555		21.6	20 *
Xylenes (total)	A	150.0	155.0	1.844136	1.905708		3.3	20
Bromofluorobenzene	A	30.00	29.76	0.9353573	0.9277389		-0.8	20
Dibromofluoromethane	A	30.00	30.06	0.3431068	0.3437915		0.2	20
1,2-Dichloroethane-d4	A	30.00	31.71	6.230074E-02	6.585632E-02		5.7	20
Toluene-d8	A	30.00	29.67	2.274744	2.249628		-1.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1023CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29801	Injection Date:	10/23/12
Lab Sample ID:	2J29801-CCV1	Injection Time:	06:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100.0	84.09	0.1308263	0.1100096		-15.9	20
Benzene	A	50.00	48.46	0.9492909	0.9200621		-3.1	20
Bromobenzene	A	50.00	43.34	0.9753776	0.8454632		-13.3	20
Bromochloromethane	A	50.00	48.38	0.1703055	0.1647796		-3.2	20
Bromodichloromethane	A	50.00	51.53	0.3668169	0.3780289		3.1	20
Bromoform	Q	50.00	41.90	0.505661	0.4890183	0.1	-16.2	20
Bromomethane	A	50.00	47.58	0.2263207	0.2153893		-4.8	20
n-Butylbenzene	A	50.00	53.63	1.316239	1.4117		7.3	20
2-Butanone	A	100.0	102.7	0.1900461	0.1951909		2.7	20
sec-Butylbenzene	A	50.00	54.74	2.066344	2.262377		9.5	20
tert-Butylbenzene	A	50.00	52.64	1.705204	1.795136		5.3	20
Carbon disulfide	A	50.00	65.13	0.6412047	0.8352859		30.3	20 *
Carbon tetrachloride	A	50.00	48.00	0.3465177	0.3326495		-4.0	20
Chlorobenzene	A	50.00	50.54	1.561071	1.577883	0.3	1.1	20
Chloroethane	A	50.00	54.52	0.1885512	0.2056124		9.0	20
Chloroform	A	50.00	46.60	0.524999	0.489314		-6.8	20
Chloromethane	A	50.00	61.61	0.3854947	0.4750121	0.1	23.2	20 *
2-Chlorotoluene	A	50.00	49.86	2.094181	2.088308		-0.3	20
4-Chlorotoluene	A	50.00	52.17	2.218103	2.31454		4.3	20
Dibromochloromethane	A	50.00	49.02	0.7653683	0.7503017		-2.0	20
1,2-Dibromo-3-chloropropane	A	50.00	47.23	0.1457781	0.1376982		-5.5	20
1,2-Dibromoethane (EDB)	A	50.00	46.10	0.6953223	0.6411422		-7.8	20
Dibromomethane	A	50.00	49.15	0.2156063	0.2119266		-1.7	20
1,2-Dichlorobenzene	A	50.00	48.45	1.322429	1.281366		-3.1	20
1,3-Dichlorobenzene	A	50.00	48.11	1.422392	1.368607		-3.8	20
1,4-Dichlorobenzene	A	50.00	45.45	1.504713	1.367898		-9.1	20
Dichlorodifluoromethane	A	50.00	80.89	0.2651001	0.4288714		61.8	20 *
1,1-Dichloroethane	A	50.00	49.94	0.5476241	0.5470095	0.1	-0.1	20
1,2-Dichloroethane	A	50.00	48.87	0.4528864	0.4426086		-2.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1023CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29801	Injection Date:	10/23/12
Lab Sample ID:	2J29801-CCV1	Injection Time:	06:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	50.00	55.37	0.219995	0.2436056		10.7	20
cis-1,2-Dichloroethene	A	50.00	47.16	0.299601	0.2826102		-5.7	20
trans-1,2-Dichloroethene	A	50.00	48.49	0.2718737	0.2636649		-3.0	20
1,2-Dichloropropane	A	50.00	49.05	0.3128379	0.3069123		-1.9	20
1,3-Dichloropropane	A	50.00	48.28	1.028184	0.9927947		-3.4	20
2,2-Dichloropropane	A	50.00	50.26	0.3982799	0.4003237		0.5	20
1,1-Dichloropropene	A	50.00	51.11	0.3717116	0.3799503		2.2	20
cis-1,3-Dichloropropene	A	50.00	46.62	0.4546126	0.4238631		-6.8	20
trans-1,3-Dichloropropene	A	50.00	52.50	0.9878761	1.03722		5.0	20
Ethylbenzene	A	50.00	48.30	2.62125	2.532332		-3.4	20
Hexachlorobutadiene	A	50.00	47.25	0.2519403	0.2380977		-5.5	20
2-Hexanone	A	100.0	103.8	0.64531	0.6701325		3.8	20
Isopropylbenzene	A	50.00	48.57	2.060659	2.001651		-2.9	20
p-Isopropyltoluene	A	50.00	54.59	1.585513	1.731147		9.2	20
Methylene chloride	A	50.00	47.33	0.3058374	0.2894957		-5.3	20
Naphthalene	A	50.00	43.31	0.8628979	0.7474837		-13.4	20
4-Methyl-2-pentanone	A	100.0	112.1	0.3461514	0.3879942		12.1	20
Methyl t-Butyl Ether	A	50.00	49.48	0.6443611	0.6376339		-1.0	20
n-Propylbenzene	A	50.00	53.97	2.867866	3.095538		7.9	20
Styrene	A	50.00	50.53	1.57265	1.589277		1.1	20
1,1,2,2-Tetrachloroethane	A	50.00	44.51	0.891879	0.7940115	0.3	-11.0	20
1,1,1,2-Tetrachloroethane	A	50.00	46.77	0.6412186	0.5998219		-6.5	20
Tetrachloroethene	A	50.00	45.21	0.7104583	0.6424617		-9.6	20
Toluene	A	50.00	47.09	1.442954	1.358993		-5.8	20
1,2,3-Trichlorobenzene	A	50.00	43.51	0.4083448	0.3553584		-13.0	20
1,2,4-Trichlorobenzene	A	50.00	44.46	0.4983989	0.4432104		-11.1	20
1,1,2-Trichloroethane	A	50.00	38.30	0.5170842	0.3961321		-23.4	20 *
1,1,1-Trichloroethane	A	50.00	46.91	0.4192187	0.3933225		-6.2	20
Trichloroethene	A	50.00	47.82	0.2944908	0.2816683		-4.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1023CCV1.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29801	Injection Date:	10/23/12
Lab Sample ID:	2J29801-CCV1	Injection Time:	06:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	50.00	50.63	0.4689858	0.4748593		1.3	20
1,2,3-Trichloropropane	A	50.00	45.60	0.1991037	0.1815677		-8.8	20
1,3,5-Trimethylbenzene	A	50.00	47.26	2.039265	1.927329		-5.5	20
1,2,4-Trimethylbenzene	A	50.00	49.71	1.766581	1.756491		-0.6	20
Vinyl chloride	L	50.00	63.70	0.2359945	0.2501135		27.4	20 *
Xylenes (total)	A	150.0	157.1	1.844136	1.9314		4.7	20
Bromofluorobenzene	A	30.00	30.02	0.9353573	0.9359568		0.06	20
Dibromofluoromethane	A	30.00	30.56	0.3431068	0.349461		1.9	20
1,2-Dichloroethane-d4	A	30.00	31.40	6.230074E-02	6.521691E-02		4.7	20
Toluene-d8	A	30.00	29.96	2.274744	2.271377		-0.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1023CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J29804	Injection Date:	10/23/12
Lab Sample ID:	2J29804-CCV1	Injection Time:	10:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	144.8	8.548666E-02	6.188078E-02		-27.6	20 *
Benzene	A	100.0	92.31	0.9315107	0.8598374		-7.7	20
Bromobenzene	A	100.0	95.86	0.7087812	0.6794338		-4.1	20
Bromochloromethane	A	100.0	104.4	0.1195172	0.1247849		4.4	20
Bromodichloromethane	A	100.0	106.9	0.2918713	0.311901		6.9	20
Bromoform	Q	100.0	104.6	0.2807903	0.3669771	0.1	4.6	20
Bromomethane	A	100.0	95.12	0.1508425	0.1434829		-4.9	20
n-Butylbenzene	A	100.0	91.47	1.996493	1.826212		-8.5	20
2-Butanone	A	200.0	168.9	0.1504013	0.1270317		-15.5	20
sec-Butylbenzene	A	100.0	94.81	2.683693	2.544299		-5.2	20
tert-Butylbenzene	A	100.0	103.8	1.962219	2.036676		3.8	20
Carbon disulfide	A	100.0	101.7	0.549092	0.5586533		1.7	20
Carbon tetrachloride	A	100.0	119.0	0.2201406	0.261864		19.0	20
Chlorobenzene	A	100.0	100.0	1.46879	1.46936	0.3	0.04	20
Chloroethane	A	100.0	90.77	0.1477522	0.1341138		-9.2	20
Chloroform	A	100.0	96.78	0.4138944	0.4005633		-3.2	20
Chloromethane	A	100.0	92.01	0.2843574	0.2616503	0.1	-8.0	20
2-Chlorotoluene	A	100.0	92.67	2.089316	1.936067		-7.3	20
4-Chlorotoluene	A	100.0	93.30	2.383943	2.224217		-6.7	20
Dibromochloromethane	Q	100.0	104.5	0.4682909	0.5773524		4.5	20
1,2-Dibromo-3-chloropropane	Q	100.0	99.73	0.1119305	0.1381495		-0.3	20
1,2-Dibromoethane (EDB)	A	100.0	98.17	0.5515188	0.5414193		-1.8	20
Dibromomethane	A	100.0	96.89	0.159759	0.1547923		-3.1	20
1,2-Dichlorobenzene	A	100.0	98.30	1.203659	1.183222		-1.7	20
1,3-Dichlorobenzene	A	100.0	98.19	1.256964	1.234224		-1.8	20
1,4-Dichlorobenzene	A	100.0	96.91	1.26803	1.228871		-3.1	20
Dichlorodifluoromethane	A	100.0	124.7	0.1924809	0.240072		24.7	20 *
1,1-Dichloroethane	A	100.0	93.05	0.4594785	0.4275488	0.1	-6.9	20
1,2-Dichloroethane	A	100.0	106.7	0.3510167	0.3745104		6.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1023CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J29804	Injection Date:	10/23/12
Lab Sample ID:	2J29804-CCV1	Injection Time:	10:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	89.74	0.1816551	0.1630234		-10.3	20
cis-1,2-Dichloroethene	A	100.0	96.18	0.2461851	0.2367857		-3.8	20
trans-1,2-Dichloroethene	A	100.0	90.82	0.2335685	0.2121247		-9.2	20
1,2-Dichloropropane	A	100.0	95.15	0.259293	0.246713		-4.9	20
1,3-Dichloropropane	A	100.0	96.01	0.8986729	0.8628366		-4.0	20
2,2-Dichloropropane	A	100.0	111.5	0.2935838	0.3274711		11.5	20
1,1-Dichloropropene	A	100.0	95.61	0.319009	0.3050133		-4.4	20
cis-1,3-Dichloropropene	A	100.0	103.9	0.3521134	0.3657159		3.9	20
trans-1,3-Dichloropropene	A	100.0	108.3	0.8239793	0.892324		8.3	20
Ethylbenzene	A	100.0	96.03	2.511121	2.411476		-4.0	20
Hexachlorobutadiene	A	100.0	98.67	0.2973976	0.2934485		-1.3	20
2-Hexanone	A	200.0	195.8	0.4846361	0.4743379		-2.1	20
Isopropylbenzene	A	100.0	99.65	2.072041	2.064743		-0.4	20
p-Isopropyltoluene	A	100.0	102.2	2.123426	2.169453		2.2	20
Methylene chloride	A	100.0	83.64	0.2190071	0.1831723		-16.4	20
Naphthalene	A	100.0	97.79	1.40191	1.370884		-2.2	20
4-Methyl-2-pentanone	A	200.0	202.0	0.2742899	0.2770132		1.0	20
Methyl t-Butyl Ether	A	100.0	98.27	0.6034362	0.5930231		-1.7	20
n-Propylbenzene	A	100.0	92.51	3.366424	3.114185		-7.5	20
Styrene	A	100.0	102.1	1.582432	1.615797		2.1	20
1,1,2,2-Tetrachloroethane	A	100.0	85.25	0.8277083	0.7056283	0.3	-14.7	20
1,1,1,2-Tetrachloroethane	A	100.0	117.5	0.4212623	0.4951126		17.5	20
Tetrachloroethene	A	100.0	97.61	0.5209978	0.5085558		-2.4	20
Toluene	A	100.0	95.15	1.306882	1.243515		-4.8	20
1,2,3-Trichlorobenzene	A	100.0	93.94	0.6431937	0.6041842		-6.1	20
1,2,4-Trichlorobenzene	A	100.0	95.12	0.7381814	0.7021335		-4.9	20
1,1,2-Trichloroethane	A	100.0	91.40	0.4426374	0.4045753		-8.6	20
1,1,1-Trichloroethane	A	100.0	109.2	0.2930192	0.3198562		9.2	20
Trichloroethene	A	100.0	99.76	0.2340808	0.2335217		-0.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1023CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J29804	Injection Date:	10/23/12
Lab Sample ID:	2J29804-CCV1	Injection Time:	10:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	93.68	0.3110129	0.2913663		-6.3	20
1,2,3-Trichloropropane	A	100.0	104.2	0.1727305	0.179972		4.2	20
1,3,5-Trimethylbenzene	A	100.0	97.08	2.198041	2.133937		-2.9	20
1,2,4-Trimethylbenzene	A	100.0	98.54	2.208168	2.176035		-1.5	20
Vinyl chloride	A	100.0	119.6	0.1848242	0.2211396		19.6	20
Xylenes (total)	A	300.0	289.1	1.916445	1.847012		-3.6	20
Bromofluorobenzene	A	30.00	31.61	0.8581783	0.9042285		5.4	20
Dibromofluoromethane	A	30.00	32.29	0.2631144	0.2832252		7.6	20
1,2-Dichloroethane-d4	A	30.00	30.33	6.156409E-02	6.224288E-02		1.1	20
Toluene-d8	A	30.00	30.63	2.250463	2.297354		2.1	20

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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
GW0747	10/09/12 08:45	10/10/12 08:30	10/22/12 09:44	N/A	14.00	10/22/12 09:44	13.04	14.00	
GW0753	10/09/12 14:44	10/10/12 08:30	10/22/12 10:12	N/A	14.00	10/22/12 10:12	12.81	14.00	
GW0769	10/09/12 15:03	10/10/12 08:30	10/22/12 10:40	N/A	14.00	10/22/12 10:40	12.82	14.00	
GW0770	10/09/12 15:03	10/10/12 08:30	10/22/12 11:07	N/A	14.00	10/22/12 11:07	12.84	14.00	
GW0771	10/09/12 11:05	10/10/12 08:30	10/22/12 11:35	N/A	14.00	10/22/12 11:35	13.02	14.00	
GW0778	10/09/12 11:20	10/10/12 08:30	10/22/12 12:03	N/A	14.00	10/22/12 12:03	13.03	14.00	
GW0782	10/08/12 15:26	10/10/12 08:30	10/19/12 14:27	N/A	14.00	10/19/12 14:27	10.96	14.00	
GW0783	10/08/12 13:03	10/10/12 08:30	10/19/12 14:55	N/A	14.00	10/19/12 14:55	11.08	14.00	
GW0784	10/08/12 13:03	10/10/12 08:30	10/19/12 15:23	N/A	14.00	10/19/12 15:23	11.10	14.00	
GW0785	10/08/12 10:58	10/10/12 08:30	10/19/12 15:50	N/A	14.00	10/19/12 15:50	11.20	14.00	
GW0795	10/08/12 15:23	10/10/12 08:30	10/19/12 16:18	N/A	14.00	10/19/12 16:18	11.04	14.00	
GW0796	10/08/12 13:25	10/10/12 08:30	10/19/12 16:46	N/A	14.00	10/19/12 16:46	11.14	14.00	
GW0797	10/08/12 13:25	10/10/12 08:30	10/19/12 17:14	N/A	14.00	10/19/12 17:14	11.16	14.00	
GW0798	10/08/12 11:18	10/10/12 08:30	10/19/12 17:41	N/A	14.00	10/19/12 17:41	11.27	14.00	
GW8231-TB	10/08/12 08:00	10/10/12 08:30	10/17/12 12:38	N/A	14.00	10/17/12 12:38	9.19	14.00	
GW0767	10/11/12 14:36	10/12/12 08:35	10/23/12 15:34	N/A	14.00	10/23/12 15:34	12.00	14.00	
GW0768	10/11/12 11:32	10/12/12 08:35	10/23/12 16:03	N/A	14.00	10/23/12 16:03	12.15	14.00	
GW0793	10/10/12 14:45	10/12/12 08:35	10/23/12 09:17	N/A	14.00	10/23/12 09:17	12.73	14.00	
GW0794	10/10/12 12:16	10/12/12 08:35	10/22/12 16:13	N/A	14.00	10/22/12 16:13	12.12	14.00	
GW0844	10/11/12 15:52	10/12/12 08:35	10/23/12 16:32	N/A	14.00	10/23/12 16:32	11.99	14.00	
GW0845	10/11/12 13:54	10/12/12 08:35	10/23/12 17:00	N/A	14.00	10/23/12 17:00	12.09	14.00	
GW0846	10/11/12 13:54	10/12/12 08:35	10/23/12 17:29	N/A	14.00	10/23/12 17:29	12.11	14.00	
GW0847	10/11/12 11:53	10/12/12 08:35	10/23/12 17:58	N/A	14.00	10/23/12 17:58	12.21	14.00	
GW0868	10/11/12 12:44	10/12/12 08:35	10/23/12 18:26	N/A	14.00	10/23/12 18:26	12.20	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

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
GW0869	10/10/12 15:16	10/12/12 08:35	10/23/12 09:44	N/A	14.00	10/23/12 09:44	12.73	14.00	
GW0870	10/10/12 10:21	10/12/12 08:35	10/23/12 10:12	N/A	14.00	10/23/12 10:12	12.95	14.00	
GW8232-TB	10/10/12 08:00	10/12/12 08:35	10/23/12 08:21	N/A	14.00	10/23/12 08:21	12.97	14.00	

Data for SW8270D Forms

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-13 [GW0782]	2J11028	1,000.00/1.00	1080	1.00	1.00		10/12/12
1210102-15 [GW0783]	2J11028	1,000.00/1.00	1000	1.00	1.00		10/12/12
1210102-17 [GW0784]	2J11028	1,000.00/1.00	1000	1.00	1.00		10/12/12
1210102-19 [GW0785]	2J11028	1,000.00/1.00	1080	1.00	1.00		10/12/12
1210102-21 [GW0795]	2J11028	1,000.00/1.00	1000	1.00	1.00		10/12/12
1210102-23 [GW0796]	2J11028	1,000.00/1.00	1000	1.00	1.00		10/12/12
1210102-25 [GW0797]	2J11028	1,000.00/1.00	1000	1.00	1.00		10/12/12
1210102-27 [GW0798]	2J11028	1,000.00/1.00	1020	1.00	1.00		10/12/12

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J16004	1,000.00/1.00	1000	1.00	1.00		10/16/12
1210102-03 [GW0753]	2J16004	1,000.00/1.00	1000	1.00	1.00		10/16/12
1210102-05 [GW0769]	2J16004	1,000.00/1.00	1000	1.00	1.00		10/16/12
1210102-07 [GW0770]	2J16004	1,000.00/1.00	1020	1.00	1.00		10/16/12
1210102-09 [GW0771]	2J16004	1,000.00/1.00	900	1.00	1.00		10/16/12
1210102-11 [GW0778]	2J16004	1,000.00/1.00	1060	1.00	1.00		10/16/12
1210135-05 [GW0793]	2J16004	1,000.00/1.00	1000	1.00	1.00		10/16/12
1210135-07 [GW0794]	2J16004	1,000.00/1.00	1000	1.00	1.00		10/16/12
1210135-19 [GW0869]	2J16004	1,000.00/1.00	1020	1.00	1.00		10/16/12

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J17004	1,000.00/1.00	900	1.00	1.00		10/17/12
1210135-03 [GW0768]	2J17004	1,000.00/1.00	1000	1.00	1.00		10/17/12
1210135-09 [GW0844]	2J17004	1,000.00/1.00	1080	1.00	1.00		10/17/12
1210135-11 [GW0845]	2J17004	1,000.00/1.00	1080	1.00	1.00		10/17/12
1210135-13 [GW0846]	2J17004	1,000.00/1.00	1080	1.00	1.00		10/17/12
1210135-15 [GW0847]	2J17004	1,000.00/1.00	1080	1.00	1.00		10/17/12
1210135-17 [GW0868]	2J17004	1,000.00/1.00	1060	1.00	1.00		10/17/12
1210135-21 [GW0870]	2J17004	1,000.00/1.00	1000	1.00	1.00		10/17/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	1010201.D
Sampled:	10/09/12 08:45	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 21:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
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

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	1010201.D
Sampled:	10/09/12 08:45	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 21:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.94	79.9	50 - 110	
2-Fluorophenol	100.0	41.67	41.7	20 - 110	
Nitrobenzene-d5	50.00	40.23	80.5	40 - 110	
Phenol-d6	100.0	25.57	25.6	0 - 110	
Terphenyl-d14	50.00	50.82	102	50 - 135	
2,4,6-Tribromophenol	100.0	100.5	100	40 - 125	

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	1010203.D
Sampled:	10/09/12 14:44	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 21:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
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

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	1010203.D
Sampled:	10/09/12 14:44	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 21:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.91	75.8	50 - 110	
2-Fluorophenol	100.0	37.30	37.3	20 - 110	
Nitrobenzene-d5	50.00	39.10	78.2	40 - 110	
Phenol-d6	100.0	22.66	22.7	0 - 110	
Terphenyl-d14	50.00	45.48	91.0	50 - 135	
2,4,6-Tribromophenol	100.0	81.31	81.3	40 - 125	

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	1010205.D
Sampled:	10/09/12 15:03	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 13:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
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

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	1010205.D
Sampled:	10/09/12 15:03	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 13:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UX
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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.51	79.0	50 - 110	
2-Fluorophenol	100.0	37.29	37.3	20 - 110	
Nitrobenzene-d5	50.00	41.06	82.1	40 - 110	
Phenol-d6	100.0	22.11	22.1	0 - 110	
Terphenyl-d14	50.00	49.73	99.5	50 - 135	
2,4,6-Tribromophenol	100.0	94.49	94.5	40 - 125	

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	1010207.D
Sampled:	10/09/12 15:03	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 22:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	UX
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	UX
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

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	1010207.D
Sampled:	10/09/12 15:03	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 22:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	38.76	79.1	50 - 110	
2-Fluorophenol	98.04	36.78	37.5	20 - 110	
Nitrobenzene-d5	49.02	37.90	77.3	40 - 110	
Phenol-d6	98.04	22.85	23.3	0 - 110	
Terphenyl-d14	49.02	49.08	100	50 - 135	
2,4,6-Tribromophenol	98.04	101.1	103	40 - 125	

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	1010209.D
Sampled:	10/09/12 11:05	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 23:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	U
92-87-5	Benzidine		13.9	55.6	111	UX
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	U
65-85-0	Benzoic acid		13.9	55.6	111	U
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	U
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	U
105-60-2	Caprolactam		1.39	2.78	5.56	UX
86-74-8	Carbazole		1.39	2.78	5.56	U
59-50-7	4-Chloro-3-methylphenol		1.39	2.78	5.56	U
106-47-8	4-Chloroaniline		1.39	2.78	5.56	U
111-91-1	Bis(2-chloroethoxy)methane		1.39	2.78	5.56	U
111-44-4	Bis(2-chloroethyl)ether		1.39	2.78	5.56	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.39	2.78	5.56	U
91-58-7	2-Chloronaphthalene		1.39	2.78	5.56	U
95-57-8	2-Chlorophenol		1.39	2.78	5.56	U
7005-72-3	4-Chlorophenyl phenyl ether		1.39	2.78	5.56	U
218-01-9	Chrysene		1.39	2.78	5.56	U
53-70-3	Dibenz(a,h)anthracene		1.39	2.78	5.56	U
132-64-9	Dibenzofuran		1.39	2.78	5.56	U
84-74-2	Di-n-butylphthalate		1.39	2.78	5.56	U
91-94-1	3,3'-Dichlorobenzidine		1.39	2.78	5.56	UX
120-83-2	2,4-Dichlorophenol		1.39	2.78	5.56	U
84-66-2	Diethylphthalate		1.39	2.78	5.56	U
105-67-9	2,4-Dimethylphenol		5.56	11.1	22.2	U
131-11-3	Dimethyl phthalate		1.39	2.78	5.56	U
534-52-1	4,6-Dinitro-2-methylphenol		5.56	11.1	22.2	UX
51-28-5	2,4-Dinitrophenol		9.26	27.8	55.6	UX
121-14-2	2,4-Dinitrotoluene		1.39	2.78	5.56	U
606-20-2	2,6-Dinitrotoluene		1.39	2.78	5.56	U
117-84-0	Di-n-octylphthalate		1.39	2.78	5.56	U

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	1010209.D
Sampled:	10/09/12 11:05	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 23:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.39	2.78	5.56	U
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	U
77-47-4	Hexachlorocyclopentadiene		1.39	5.56	11.1	U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	U
91-20-3	Naphthalene		1.39	2.78	5.56	U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	U
88-75-5	2-Nitrophenol		1.39	2.78	5.56	U
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	U
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	U
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	46.34	83.4	50 - 110	
2-Fluorophenol	111.1	49.07	44.2	20 - 110	
Nitrobenzene-d5	55.56	47.03	84.7	40 - 110	
Phenol-d6	111.1	29.45	26.5	0 - 110	
Terphenyl-d14	55.56	56.47	102	50 - 135	
2,4,6-Tribromophenol	111.1	114.9	103	40 - 125	

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	1010211.D
Sampled:	10/09/12 11:20	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 23:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	47.2	94.3	UX
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	UX
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

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	1010211.D
Sampled:	10/09/12 11:20	Prepared:	10/16/12 10:00	Analyzed:	10/22/12 23:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	39.64	84.0	50 - 110	
2-Fluorophenol	94.34	33.81	35.8	20 - 110	
Nitrobenzene-d5	47.17	40.19	85.2	40 - 110	
Phenol-d6	94.34	22.85	24.2	0 - 110	
Terphenyl-d14	47.17	47.10	99.9	50 - 135	
2,4,6-Tribromophenol	94.34	87.54	92.8	40 - 125	

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	1010213.D
Sampled:	10/08/12 15:26	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 14:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	UQ
105-60-2	Caprolactam		1.16	2.31	4.63	UX
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	UQ
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	UQ
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	U
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	1010213.D
Sampled:	10/08/12 15:26	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 14:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	U
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	37.82	81.7	50 - 110	
2-Fluorophenol	92.59	36.87	39.8	20 - 110	
Nitrobenzene-d5	46.30	37.63	81.3	40 - 110	
Phenol-d6	92.59	21.77	23.5	0 - 110	
Terphenyl-d14	46.30	43.61	94.2	50 - 135	
2,4,6-Tribromophenol	92.59	84.64	91.4	40 - 125	

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	1010215.D
Sampled:	10/08/12 13:03	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 14:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	50.0	100	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	1010215.D
Sampled:	10/08/12 13:03	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 14:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.32	78.6	50 - 110	
2-Fluorophenol	100.0	39.38	39.4	20 - 110	
Nitrobenzene-d5	50.00	39.42	78.8	40 - 110	
Phenol-d6	100.0	23.11	23.1	0 - 110	
Terphenyl-d14	50.00	44.92	89.8	50 - 135	
2,4,6-Tribromophenol	100.0	88.57	88.6	40 - 125	

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	1010217.D
Sampled:	10/08/12 13:03	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 15:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	50.0	100	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	1010217.D
Sampled:	10/08/12 13:03	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 15:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.94	77.9	50 - 110	
2-Fluorophenol	100.0	36.14	36.1	20 - 110	
Nitrobenzene-d5	50.00	40.00	80.0	40 - 110	
Phenol-d6	100.0	23.88	23.9	0 - 110	
Terphenyl-d14	50.00	46.23	92.5	50 - 135	
2,4,6-Tribromophenol	100.0	84.77	84.8	40 - 125	

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	1010219.D
Sampled:	10/08/12 10:58	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 15:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	U
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	UQ
105-60-2	Caprolactam		1.16	2.31	4.63	UX
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	UQ
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	UQ
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	U
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	U
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	1010219.D
Sampled:	10/08/12 10:58	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 15:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	U
88-75-5	2-Nitrophenol		1.16	2.31	4.63	U
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	U
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	U
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	37.05	80.0	50 - 110	
2-Fluorophenol	92.59	34.60	37.4	20 - 110	
Nitrobenzene-d5	46.30	37.43	80.9	40 - 110	
Phenol-d6	92.59	20.62	22.3	0 - 110	
Terphenyl-d14	46.30	43.56	94.1	50 - 135	
2,4,6-Tribromophenol	92.59	85.24	92.1	40 - 125	

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	1010221.D
Sampled:	10/08/12 15:23	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 16:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	50.0	100	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	1010221.D
Sampled:	10/08/12 15:23	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 16:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.08	78.2	50 - 110	
2-Fluorophenol	100.0	39.89	39.9	20 - 110	
Nitrobenzene-d5	50.00	39.58	79.2	40 - 110	
Phenol-d6	100.0	23.89	23.9	0 - 110	
Terphenyl-d14	50.00	45.98	92.0	50 - 135	
2,4,6-Tribromophenol	100.0	90.33	90.3	40 - 125	

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	1010223.D
Sampled:	10/08/12 13:25	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 16:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	50.0	100	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	1010223.D
Sampled:	10/08/12 13:25	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 16:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.21	74.4	50 - 110	
2-Fluorophenol	100.0	33.49	33.5	20 - 110	
Nitrobenzene-d5	50.00	37.78	75.6	40 - 110	
Phenol-d6	100.0	23.21	23.2	0 - 110	
Terphenyl-d14	50.00	45.53	91.1	50 - 135	
2,4,6-Tribromophenol	100.0	82.26	82.3	40 - 125	

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	1010225.D
Sampled:	10/08/12 13:25	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 17:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	50.0	100	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	1010225.D
Sampled:	10/08/12 13:25	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 17:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.77	81.5	50 - 110	
2-Fluorophenol	100.0	37.03	37.0	20 - 110	
Nitrobenzene-d5	50.00	39.96	79.9	40 - 110	
Phenol-d6	100.0	23.54	23.5	0 - 110	
Terphenyl-d14	50.00	47.05	94.1	50 - 135	
2,4,6-Tribromophenol	100.0	92.46	92.5	40 - 125	

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	1010227.D
Sampled:	10/08/12 11:18	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 17:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	UQ
105-60-2	Caprolactam		1.23	2.45	4.90	UX
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	UQ
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	1010227.D
Sampled:	10/08/12 11:18	Prepared:	10/12/12 10:00	Analyzed:	10/19/12 17:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J11028 Sequence: 2J29404 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.40	76.3	50 - 110	
2-Fluorophenol	98.04	32.92	33.6	20 - 110	
Nitrobenzene-d5	49.02	37.27	76.0	40 - 110	
Phenol-d6	98.04	21.54	22.0	0 - 110	
Terphenyl-d14	49.02	44.33	90.4	50 - 135	
2,4,6-Tribromophenol	98.04	78.32	79.9	40 - 125	

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	1013501.D
Sampled:	10/11/12 14:36	Prepared:	10/17/12 09:54	Analyzed:	10/23/12 22:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	U
92-87-5	Benzidine		13.9	55.6	111	UXQ
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	U
65-85-0	Benzoic acid		13.9	55.6	111	U
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	U
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	U
105-60-2	Caprolactam		1.39	2.78	5.56	UX
86-74-8	Carbazole		1.39	2.78	5.56	U
59-50-7	4-Chloro-3-methylphenol		1.39	2.78	5.56	U
106-47-8	4-Chloroaniline		1.39	2.78	5.56	U
111-91-1	Bis(2-chloroethoxy)methane		1.39	2.78	5.56	U
111-44-4	Bis(2-chloroethyl)ether		1.39	2.78	5.56	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.39	2.78	5.56	U
91-58-7	2-Chloronaphthalene		1.39	2.78	5.56	U
95-57-8	2-Chlorophenol		1.39	2.78	5.56	U
7005-72-3	4-Chlorophenyl phenyl ether		1.39	2.78	5.56	U
218-01-9	Chrysene		1.39	2.78	5.56	U
53-70-3	Dibenz(a,h)anthracene		1.39	2.78	5.56	U
132-64-9	Dibenzofuran		1.39	2.78	5.56	U
84-74-2	Di-n-butylphthalate		1.39	2.78	5.56	U
91-94-1	3,3'-Dichlorobenzidine		1.39	2.78	5.56	UX
120-83-2	2,4-Dichlorophenol		1.39	2.78	5.56	U
84-66-2	Diethylphthalate		1.39	2.78	5.56	U
105-67-9	2,4-Dimethylphenol		5.56	11.1	22.2	U
131-11-3	Dimethyl phthalate		1.39	2.78	5.56	U
534-52-1	4,6-Dinitro-2-methylphenol		5.56	11.1	22.2	UQ
51-28-5	2,4-Dinitrophenol		9.26	27.8	55.6	UXQ
121-14-2	2,4-Dinitrotoluene		1.39	2.78	5.56	U
606-20-2	2,6-Dinitrotoluene		1.39	2.78	5.56	U
117-84-0	Di-n-octylphthalate		1.39	2.78	5.56	U

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	1013501.D
Sampled:	10/11/12 14:36	Prepared:	10/17/12 09:54	Analyzed:	10/23/12 22:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.39	2.78	5.56	U
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	U
77-47-4	Hexachlorocyclopentadiene		1.39	5.56	11.1	U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	U
91-20-3	Naphthalene		1.39	2.78	5.56	U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	UQ
88-75-5	2-Nitrophenol		1.39	2.78	5.56	UX
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	UQ
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	UQ
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	43.49	78.3	50 - 110	
2-Fluorophenol	111.1	31.30	28.2	20 - 110	
Nitrobenzene-d5	55.56	43.64	78.5	40 - 110	
Phenol-d6	111.1	22.14	19.9	0 - 110	
Terphenyl-d14	55.56	53.11	95.6	50 - 135	
2,4,6-Tribromophenol	111.1	78.40	70.6	40 - 125	

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03	File ID:	1013503.D
Sampled:	10/11/12 11:32	Prepared:	10/17/12 09:54	Analyzed:	10/23/12 23:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 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	50.0	100	UXQ
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UXQ
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

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03	File ID:	1013503.D
Sampled:	10/11/12 11:32	Prepared:	10/17/12 09:54	Analyzed:	10/23/12 23:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UX
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	UQ
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	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.08	72.2	50 - 110	
2-Fluorophenol	100.0	37.55	37.5	20 - 110	
Nitrobenzene-d5	50.00	36.45	72.9	40 - 110	
Phenol-d6	100.0	21.76	21.8	0 - 110	
Terphenyl-d14	50.00	47.92	95.8	50 - 135	
2,4,6-Tribromophenol	100.0	89.67	89.7	40 - 125	

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	1013505.D
Sampled:	10/10/12 14:45	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 00:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
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

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	1013505.D
Sampled:	10/10/12 14:45	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 00:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.04	78.1	50 - 110	
2-Fluorophenol	100.0	35.14	35.1	20 - 110	
Nitrobenzene-d5	50.00	40.37	80.7	40 - 110	
Phenol-d6	100.0	23.81	23.8	0 - 110	
Terphenyl-d14	50.00	44.41	88.8	50 - 135	
2,4,6-Tribromophenol	100.0	76.17	76.2	40 - 125	

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	1013507.D
Sampled:	10/10/12 12:16	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 01:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
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

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	1013507.D
Sampled:	10/10/12 12:16	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 01:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.91	85.8	50 - 110	
2-Fluorophenol	100.0	42.65	42.6	20 - 110	
Nitrobenzene-d5	50.00	42.46	84.9	40 - 110	
Phenol-d6	100.0	25.17	25.2	0 - 110	
Terphenyl-d14	50.00	50.33	101	50 - 135	
2,4,6-Tribromophenol	100.0	97.83	97.8	40 - 125	

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	1013509.D
Sampled:	10/11/12 15:52	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 23:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	UXQ
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	UX
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	UQ
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	UXQ
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	1013509.D
Sampled:	10/11/12 15:52	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 23:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	UQ
88-75-5	2-Nitrophenol		1.16	2.31	4.63	UX
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	UQ
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	UQ
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	37.97	82.0	50 - 110	
2-Fluorophenol	92.59	34.52	37.3	20 - 110	
Nitrobenzene-d5	46.30	38.67	83.5	40 - 110	
Phenol-d6	92.59	21.41	23.1	0 - 110	
Terphenyl-d14	46.30	46.13	99.6	50 - 135	X
2,4,6-Tribromophenol	92.59	84.12	90.9	40 - 125	

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	1013511.D
Sampled:	10/11/12 13:54	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 12:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	UXQ
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	UX
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	UQ
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	UXQ
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	1013511.D
Sampled:	10/11/12 13:54	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 12:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	UQ
88-75-5	2-Nitrophenol		1.16	2.31	4.63	UX
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	UQ
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	UQ
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	34.53	74.6	50 - 110	
2-Fluorophenol	92.59	33.30	36.0	20 - 110	
Nitrobenzene-d5	46.30	34.57	74.7	40 - 110	
Phenol-d6	92.59	19.64	21.2	0 - 110	
Terphenyl-d14	46.30	44.22	95.5	50 - 135	X
2,4,6-Tribromophenol	92.59	85.56	92.4	40 - 125	

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	1013513.D
Sampled:	10/11/12 13:54	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 13:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	UXQ
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	UX
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	UQ
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	UXQ
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	1013513.D
Sampled:	10/11/12 13:54	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 13:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	UQ
88-75-5	2-Nitrophenol		1.16	2.31	4.63	UX
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	UQ
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	UQ
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	38.50	83.2	50 - 110	
2-Fluorophenol	92.59	36.13	39.0	20 - 110	
Nitrobenzene-d5	46.30	37.87	81.8	40 - 110	
Phenol-d6	92.59	20.90	22.6	0 - 110	
Terphenyl-d14	46.30	43.53	94.0	50 - 135	X
2,4,6-Tribromophenol	92.59	84.11	90.8	40 - 125	

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	1013515.D
Sampled:	10/11/12 11:53	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 13:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.16	2.31	4.63	U
208-96-8	Acenaphthylene		1.16	2.31	4.63	U
98-86-2	Acetophenone		1.16	2.31	4.63	U
120-12-7	Anthracene		1.16	2.31	4.63	U
1912-24-9	Atrazine		1.16	2.31	4.63	U
100-52-7	Benzaldehyde		1.16	2.31	4.63	U
92-87-5	Benzidine		11.6	46.3	92.6	UXQ
56-55-3	Benzo(a)anthracene		1.16	2.31	4.63	U
50-32-8	Benzo(a)pyrene		1.16	2.31	4.63	U
205-99-2	Benzo(b)fluoranthene		1.16	2.31	4.63	U
191-24-2	Benzo(g,h,i)perylene		1.16	2.31	4.63	U
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene		1.16	2.31	4.63	U
92-52-4	1,1-Biphenyl		1.16	2.31	4.63	U
101-55-3	4-Bromophenyl-phenylether		1.16	2.31	4.63	U
85-68-7	Butylbenzylphthalate		1.16	2.31	4.63	U
105-60-2	Caprolactam		1.16	2.31	4.63	UX
86-74-8	Carbazole		1.16	2.31	4.63	U
59-50-7	4-Chloro-3-methylphenol		1.16	2.31	4.63	U
106-47-8	4-Chloroaniline		1.16	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		1.16	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		1.16	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.16	2.31	4.63	U
91-58-7	2-Chloronaphthalene		1.16	2.31	4.63	U
95-57-8	2-Chlorophenol		1.16	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		1.16	2.31	4.63	U
218-01-9	Chrysene		1.16	2.31	4.63	U
53-70-3	Dibenz(a,h)anthracene		1.16	2.31	4.63	U
132-64-9	Dibenzofuran		1.16	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.16	2.31	4.63	U
91-94-1	3,3'-Dichlorobenzidine		1.16	2.31	4.63	U
120-83-2	2,4-Dichlorophenol		1.16	2.31	4.63	U
84-66-2	Diethylphthalate		1.16	2.31	4.63	U
105-67-9	2,4-Dimethylphenol		4.63	9.26	18.5	U
131-11-3	Dimethyl phthalate		1.16	2.31	4.63	U
534-52-1	4,6-Dinitro-2-methylphenol		4.63	9.26	18.5	UQ
51-28-5	2,4-Dinitrophenol		7.71	23.1	46.3	UXQ
121-14-2	2,4-Dinitrotoluene		1.16	2.31	4.63	U
606-20-2	2,6-Dinitrotoluene		1.16	2.31	4.63	U
117-84-0	Di-n-octylphthalate		1.16	2.31	4.63	U

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	1013515.D
Sampled:	10/11/12 11:53	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 13:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.16	2.31	4.63	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.16	2.31	4.63	U
206-44-0	Fluoranthene		1.16	2.31	4.63	U
86-73-7	Fluorene		1.16	2.31	4.63	U
118-74-1	Hexachlorobenzene		1.16	2.31	4.63	U
87-68-3	Hexachlorobutadiene		1.16	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		1.16	4.63	9.26	U
67-72-1	Hexachloroethane		1.16	2.31	4.63	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.16	2.31	4.63	U
78-59-1	Isophorone		1.16	2.31	4.63	U
90-12-0	1-Methylnaphthalene		1.16	2.31	4.63	U
91-57-6	2-Methylnaphthalene		1.16	2.31	4.63	U
95-48-7	2-Methylphenol		1.16	2.31	4.63	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.16	2.31	4.63	U
91-20-3	Naphthalene		1.16	2.31	4.63	U
100-01-6	4-Nitroaniline		4.63	9.26	18.5	U
99-09-2	3-Nitroaniline		4.63	9.26	18.5	U
88-74-4	2-Nitroaniline		4.63	9.26	18.5	U
98-95-3	Nitrobenzene		1.16	2.31	4.63	U
100-02-7	4-Nitrophenol		4.63	9.26	18.5	UQ
88-75-5	2-Nitrophenol		1.16	2.31	4.63	UX
86-30-6	N-Nitrosodiphenylamine		1.16	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		1.16	2.31	4.63	U
87-86-5	Pentachlorophenol		4.63	9.26	18.5	UQ
85-01-8	Phenanthrene		1.16	2.31	4.63	U
108-95-2	Phenol		1.16	2.31	4.63	U
129-00-0	Pyrene		1.16	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		1.16	2.31	4.63	UQ
95-95-4	2,4,5-Trichlorophenol		1.16	2.31	4.63	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	28.41	61.4	50 - 110	
2-Fluorophenol	92.59	25.57	27.6	20 - 110	
Nitrobenzene-d5	46.30	28.66	61.9	40 - 110	
Phenol-d6	92.59	16.28	17.6	0 - 110	
Terphenyl-d14	46.30	38.05	82.2	50 - 135	X
2,4,6-Tribromophenol	92.59	63.99	69.1	40 - 125	

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	1013517.D
Sampled:	10/11/12 12:44	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 14:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 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	47.2	94.3	UXQ
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	UX
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	UQ
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	UXQ
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

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	1013517.D
Sampled:	10/11/12 12:44	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 14:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 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	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	UQ
88-75-5	2-Nitrophenol		1.18	2.36	4.72	UX
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	UQ
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	UQ
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	36.23	76.8	50 - 110	
2-Fluorophenol	94.34	34.58	36.7	20 - 110	
Nitrobenzene-d5	47.17	35.96	76.2	40 - 110	
Phenol-d6	94.34	20.01	21.2	0 - 110	
Terphenyl-d14	47.17	43.19	91.6	50 - 135	X
2,4,6-Tribromophenol	94.34	80.00	84.8	40 - 125	

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	1013519.D
Sampled:	10/10/12 15:16	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 13:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	UX
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	NU
105-60-2	Caprolactam		1.23	2.45	4.90	UX
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	UX
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	UX
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

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	1013519.D
Sampled:	10/10/12 15:16	Prepared:	10/16/12 10:00	Analyzed:	10/23/12 13:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	4.90	9.80	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	UX
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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	41.08	83.8	50 - 110	
2-Fluorophenol	98.04	42.68	43.5	20 - 110	
Nitrobenzene-d5	49.02	41.88	85.4	40 - 110	
Phenol-d6	98.04	24.82	25.3	0 - 110	
Terphenyl-d14	49.02	47.44	96.8	50 - 135	
2,4,6-Tribromophenol	98.04	93.07	94.9	40 - 125	

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	1013521.D
Sampled:	10/10/12 10:21	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 14:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 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	50.0	100	UXQ
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UXQ
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

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	1013521.D
Sampled:	10/10/12 10:21	Prepared:	10/17/12 09:54	Analyzed:	10/24/12 14:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17004 Sequence: 2J30001 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UX
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	UQ
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	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	37.36	74.7	50 - 110	
2-Fluorophenol	100.0	36.77	36.8	20 - 110	
Nitrobenzene-d5	50.00	37.14	74.3	40 - 110	
Phenol-d6	100.0	21.39	21.4	0 - 110	
Terphenyl-d14	50.00	46.18	92.4	50 - 135	X
2,4,6-Tribromophenol	100.0	86.33	86.3	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29213	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29213-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 10/17/12 15:59		
2-Fluorobiphenyl	50.00	91.9	80 - 120	8.623	8.623	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.3	80 - 120	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	96.1	80 - 120	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	97.0	80 - 120	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	13.219	13.219	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	104	80 - 120	10.445	10.445	0.0000	+/-0.500	
Blank (2J11028-BLK1) ug/L				Lab File ID: J11028B1.D		Analyzed: 10/17/12 16:55		
2-Fluorobiphenyl	50.00	73.4	50 - 110	8.614	8.623	-0.0090	+/-0.500	
2-Fluorophenol	100.0	30.2	20 - 110	3.987	3.997	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	75.4	40 - 110	6.306	6.305	0.0010	+/-0.500	
Phenol-d6	100.0	20.0	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	50.00	92.4	50 - 135	13.219	13.219	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	72.2	40 - 125	10.435	10.445	-0.0100	+/-0.500	
LCS (2J11028-BS1) ug/L				Lab File ID: J11028L1.D		Analyzed: 10/17/12 17:23		
2-Fluorobiphenyl	50.00	88.3	50 - 110	8.623	8.623	0.0000	+/-0.500	
2-Fluorophenol	100.0	48.3	20 - 110	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	86.9	40 - 110	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	27.9	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	102	50 - 135	13.219	13.219	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	101	40 - 125	10.435	10.445	-0.0100	+/-0.500	
LCS Dup (2J11028-BSD1) ug/L				Lab File ID: J11028L2.D		Analyzed: 10/17/12 17:50		
2-Fluorobiphenyl	50.00	87.4	50 - 110	8.616	8.623	-0.0070	+/-0.500	
2-Fluorophenol	100.0	46.6	20 - 110	3.989	3.997	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	87.7	40 - 110	6.307	6.305	0.0020	+/-0.500	
Phenol-d6	100.0	27.3	0 - 110	5.138	5.135	0.0030	+/-0.500	
Terphenyl-d14	50.00	102	50 - 135	13.211	13.219	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	102	40 - 125	10.437	10.445	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29404	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29404-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 10/19/12 10:33		
2-Fluorobiphenyl	50.00	92.8	80 - 120	8.616	8.616	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.8	80 - 120	3.989	3.989	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	96.6	80 - 120	6.308	6.308	0.0000	+/-0.500	
Phenol-d6	100.0	97.6	80 - 120	5.138	5.138	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	13.211	13.211	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	106	80 - 120	10.437	10.437	0.0000	+/-0.500	
GW0782 (1210102-13) ug/L				Lab File ID: 1010213.D		Analyzed: 10/19/12 14:17		
2-Fluorobiphenyl	46.30	81.7	50 - 110	8.614	8.616	-0.0020	+/-0.500	
2-Fluorophenol	92.59	39.8	20 - 110	3.998	3.989	0.0090	+/-0.500	
Nitrobenzene-d5	46.30	81.3	40 - 110	6.306	6.308	-0.0020	+/-0.500	
Phenol-d6	92.59	23.5	0 - 110	5.136	5.138	-0.0020	+/-0.500	
Terphenyl-d14	46.30	94.2	50 - 135	13.21	13.211	-0.0010	+/-0.500	
2,4,6-Tribromophenol	92.59	91.4	40 - 125	10.436	10.437	-0.0010	+/-0.500	
GW0783 (1210102-15) ug/L				Lab File ID: 1010215.D		Analyzed: 10/19/12 14:45		
2-Fluorobiphenyl	50.00	78.6	50 - 110	8.613	8.616	-0.0030	+/-0.500	
2-Fluorophenol	100.0	39.4	20 - 110	3.997	3.989	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	78.8	40 - 110	6.305	6.308	-0.0030	+/-0.500	
Phenol-d6	100.0	23.1	0 - 110	5.135	5.138	-0.0030	+/-0.500	
Terphenyl-d14	50.00	89.8	50 - 135	13.219	13.211	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	88.6	40 - 125	10.435	10.437	-0.0020	+/-0.500	
GW0784 (1210102-17) ug/L				Lab File ID: 1010217.D		Analyzed: 10/19/12 15:13		
2-Fluorobiphenyl	50.00	77.9	50 - 110	8.613	8.616	-0.0030	+/-0.500	
2-Fluorophenol	100.0	36.1	20 - 110	3.997	3.989	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	80.0	40 - 110	6.305	6.308	-0.0030	+/-0.500	
Phenol-d6	100.0	23.9	0 - 110	5.135	5.138	-0.0030	+/-0.500	
Terphenyl-d14	50.00	92.5	50 - 135	13.219	13.211	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	84.8	40 - 125	10.435	10.437	-0.0020	+/-0.500	
GW0785 (1210102-19) ug/L				Lab File ID: 1010219.D		Analyzed: 10/19/12 15:41		
2-Fluorobiphenyl	46.30	80.0	50 - 110	8.613	8.616	-0.0030	+/-0.500	
2-Fluorophenol	92.59	37.4	20 - 110	3.997	3.989	0.0080	+/-0.500	
Nitrobenzene-d5	46.30	80.9	40 - 110	6.305	6.308	-0.0030	+/-0.500	
Phenol-d6	92.59	22.3	0 - 110	5.135	5.138	-0.0030	+/-0.500	
Terphenyl-d14	46.30	94.1	50 - 135	13.219	13.211	0.0080	+/-0.500	
2,4,6-Tribromophenol	92.59	92.1	40 - 125	10.434	10.437	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29404	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0795 (1210102-21) ug/L				Lab File ID: 1010221.D		Analyzed: 10/19/12 16:09		
2-Fluorobiphenyl	50.00	78.2	50 - 110	8.614	8.616	-0.0020	+/-0.500	
2-Fluorophenol	100.0	39.9	20 - 110	3.998	3.989	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	79.2	40 - 110	6.306	6.308	-0.0020	+/-0.500	
Phenol-d6	100.0	23.9	0 - 110	5.137	5.138	-0.0010	+/-0.500	
Terphenyl-d14	50.00	92.0	50 - 135	13.21	13.211	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	90.3	40 - 125	10.436	10.437	-0.0010	+/-0.500	
GW0796 (1210102-23) ug/L				Lab File ID: 1010223.D		Analyzed: 10/19/12 16:37		
2-Fluorobiphenyl	50.00	74.4	50 - 110	8.615	8.616	-0.0010	+/-0.500	
2-Fluorophenol	100.0	33.5	20 - 110	3.989	3.989	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	75.6	40 - 110	6.297	6.308	-0.0110	+/-0.500	
Phenol-d6	100.0	23.2	0 - 110	5.138	5.138	0.0000	+/-0.500	
Terphenyl-d14	50.00	91.1	50 - 135	13.211	13.211	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	82.3	40 - 125	10.437	10.437	0.0000	+/-0.500	
GW0797 (1210102-25) ug/L				Lab File ID: 1010225.D		Analyzed: 10/19/12 17:04		
2-Fluorobiphenyl	50.00	81.5	50 - 110	8.613	8.616	-0.0030	+/-0.500	
2-Fluorophenol	100.0	37.0	20 - 110	3.997	3.989	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	79.9	40 - 110	6.305	6.308	-0.0030	+/-0.500	
Phenol-d6	100.0	23.5	0 - 110	5.136	5.138	-0.0020	+/-0.500	
Terphenyl-d14	50.00	94.1	50 - 135	13.209	13.211	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	92.5	40 - 125	10.435	10.437	-0.0020	+/-0.500	
GW0798 (1210102-27) ug/L				Lab File ID: 1010227.D		Analyzed: 10/19/12 17:32		
2-Fluorobiphenyl	49.02	76.3	50 - 110	8.615	8.616	-0.0010	+/-0.500	
2-Fluorophenol	98.04	33.6	20 - 110	3.989	3.989	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	76.0	40 - 110	6.297	6.308	-0.0110	+/-0.500	
Phenol-d6	98.04	22.0	0 - 110	5.138	5.138	0.0000	+/-0.500	
Terphenyl-d14	49.02	90.4	50 - 135	13.211	13.211	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	79.9	40 - 125	10.437	10.437	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29716-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 10/22/12 14:24		
2-Fluorobiphenyl	50.00	99.8	80 - 120	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	106	80 - 120	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	107	80 - 120	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	119	80 - 120	13.208	13.208	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	113	80 - 120	10.434	10.434	0.0000	+/-0.500	
Blank (2J16004-BLK1) ug/L				Lab File ID: J16004B1.D		Analyzed: 10/22/12 17:39		
2-Fluorobiphenyl	50.00	87.2	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	25.6	20 - 110	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	89.9	40 - 110	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	23.6	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	63.4	40 - 125	10.435	10.434	0.0010	+/-0.500	
LCS (2J16004-BS1) ug/L				Lab File ID: J16004L1.D		Analyzed: 10/22/12 18:07		
2-Fluorobiphenyl	50.00	83.1	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	100.0	48.3	20 - 110	3.998	3.997	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	86.0	40 - 110	6.306	6.305	0.0010	+/-0.500	
Phenol-d6	100.0	28.3	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	50.00	97.1	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	95.5	40 - 125	10.436	10.434	0.0020	+/-0.500	
GW0747 (1210102-01) ug/L				Lab File ID: 1010201.D		Analyzed: 10/22/12 21:22		
2-Fluorobiphenyl	50.00	79.9	50 - 110	8.615	8.613	0.0020	+/-0.500	
2-Fluorophenol	100.0	41.7	20 - 110	3.989	3.997	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	80.5	40 - 110	6.297	6.305	-0.0080	+/-0.500	
Phenol-d6	100.0	25.6	0 - 110	5.138	5.135	0.0030	+/-0.500	
Terphenyl-d14	50.00	102	50 - 135	13.211	13.208	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	100	40 - 125	10.437	10.434	0.0030	+/-0.500	
GW0753 (1210102-03) ug/L				Lab File ID: 1010203.D		Analyzed: 10/22/12 21:49		
2-Fluorobiphenyl	50.00	75.8	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	100.0	37.3	20 - 110	3.998	3.997	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	78.2	40 - 110	6.296	6.305	-0.0090	+/-0.500	
Phenol-d6	100.0	22.7	0 - 110	5.137	5.135	0.0020	+/-0.500	
Terphenyl-d14	50.00	91.0	50 - 135	13.21	13.208	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	81.3	40 - 125	10.436	10.434	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0770 (1210102-07) ug/L				Lab File ID: 1010207.D		Analyzed: 10/22/12 22:45		
2-Fluorobiphenyl	49.02	79.1	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	98.04	37.5	20 - 110	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	77.3	40 - 110	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	98.04	23.3	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	49.02	100	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	103	40 - 125	10.435	10.434	0.0010	+/-0.500	
GW0771 (1210102-09) ug/L				Lab File ID: 1010209.D		Analyzed: 10/22/12 23:13		
2-Fluorobiphenyl	55.56	83.4	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	111.1	44.2	20 - 110	3.998	3.997	0.0010	+/-0.500	
Nitrobenzene-d5	55.56	84.7	40 - 110	6.306	6.305	0.0010	+/-0.500	
Phenol-d6	111.1	26.5	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	55.56	102	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	111.1	103	40 - 125	10.435	10.434	0.0010	+/-0.500	
GW0778 (1210102-11) ug/L				Lab File ID: 1010211.D		Analyzed: 10/22/12 23:40		
2-Fluorobiphenyl	47.17	84.0	50 - 110	8.617	8.613	0.0040	+/-0.500	
2-Fluorophenol	94.34	35.8	20 - 110	3.991	3.997	-0.0060	+/-0.500	
Nitrobenzene-d5	47.17	85.2	40 - 110	6.299	6.305	-0.0060	+/-0.500	
Phenol-d6	94.34	24.2	0 - 110	5.139	5.135	0.0040	+/-0.500	
Terphenyl-d14	47.17	99.9	50 - 135	13.213	13.208	0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	92.8	40 - 125	10.428	10.434	-0.0060	+/-0.500	
GW0793 (1210135-05) ug/L				Lab File ID: 1013505.D		Analyzed: 10/23/12 00:08		
2-Fluorobiphenyl	50.00	78.1	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	35.1	20 - 110	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	80.7	40 - 110	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	23.8	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	88.8	50 - 135	13.208	13.208	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	76.2	40 - 125	10.434	10.434	0.0000	+/-0.500	
Matrix Spike (2J16004-MS1) ug/L				Lab File ID: 1013505M.D		Analyzed: 10/23/12 00:36		
2-Fluorobiphenyl	50.00	87.2	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	100.0	48.4	20 - 110	3.998	3.997	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	92.1	40 - 110	6.306	6.305	0.0010	+/-0.500	
Phenol-d6	100.0	28.3	0 - 110	5.137	5.135	0.0020	+/-0.500	
Terphenyl-d14	50.00	99.0	50 - 135	13.21	13.208	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	99.3	40 - 125	10.436	10.434	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2J16004-MSD1) ug/L				Lab File ID: 1013505S.D		Analyzed: 10/23/12 01:04		
2-Fluorobiphenyl	50.00	81.2	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	38.2	20 - 110	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	79.0	40 - 110	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	21.9	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	100	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	98.2	40 - 125	10.435	10.434	0.0010	+/-0.500	
GW0794 (1210135-07) ug/L				Lab File ID: 1013507.D		Analyzed: 10/23/12 01:31		
2-Fluorobiphenyl	50.00	85.8	50 - 110	8.616	8.613	0.0030	+/-0.500	
2-Fluorophenol	100.0	42.6	20 - 110	3.989	3.997	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	84.9	40 - 110	6.297	6.305	-0.0080	+/-0.500	
Phenol-d6	100.0	25.2	0 - 110	5.138	5.135	0.0030	+/-0.500	
Terphenyl-d14	50.00	101	50 - 135	13.211	13.208	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	97.8	40 - 125	10.438	10.434	0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29819	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29819-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 10/23/12 12:12		
2-Fluorobiphenyl	50.00	99.3	80 - 120	8.614	8.614	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	3.998	3.998	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	103	80 - 120	6.306	6.306	0.0000	+/-0.500	
Phenol-d6	100.0	105	80 - 120	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	117	80 - 120	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	112	80 - 120	10.435	10.435	0.0000	+/-0.500	
GW0769 (1210102-05) ug/L				Lab File ID: 1010205.D		Analyzed: 10/23/12 13:08		
2-Fluorobiphenyl	50.00	79.0	50 - 110	8.613	8.614	-0.0010	+/-0.500	
2-Fluorophenol	100.0	37.3	20 - 110	3.997	3.998	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	82.1	40 - 110	6.305	6.306	-0.0010	+/-0.500	
Phenol-d6	100.0	22.1	0 - 110	5.135	5.136	-0.0010	+/-0.500	
Terphenyl-d14	50.00	99.5	50 - 135	13.208	13.209	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	94.5	40 - 125	10.434	10.435	-0.0010	+/-0.500	
GW0869 (1210135-19) ug/L				Lab File ID: 1013519.D		Analyzed: 10/23/12 13:36		
2-Fluorobiphenyl	49.02	83.8	50 - 110	8.613	8.614	-0.0010	+/-0.500	
2-Fluorophenol	98.04	43.5	20 - 110	3.987	3.998	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	85.4	40 - 110	6.305	6.306	-0.0010	+/-0.500	
Phenol-d6	98.04	25.3	0 - 110	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	49.02	96.8	50 - 135	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	94.9	40 - 125	10.435	10.435	0.0000	+/-0.500	
Matrix Spike (2J16004-MS3) ug/L				Lab File ID: 1013519M.D		Analyzed: 10/23/12 14:04		
2-Fluorobiphenyl	46.30	80.6	50 - 110	8.616	8.614	0.0020	+/-0.500	
2-Fluorophenol	92.59	41.3	20 - 110	3.989	3.998	-0.0090	+/-0.500	
Nitrobenzene-d5	46.30	80.1	40 - 110	6.297	6.306	-0.0090	+/-0.500	
Phenol-d6	92.59	24.3	0 - 110	5.138	5.136	0.0020	+/-0.500	
Terphenyl-d14	46.30	97.5	50 - 135	13.211	13.209	0.0020	+/-0.500	
2,4,6-Tribromophenol	92.59	96.7	40 - 125	10.437	10.435	0.0020	+/-0.500	
Matrix Spike Dup (2J16004-MSD3) ug/L				Lab File ID: 1013519S.D		Analyzed: 10/23/12 14:31		
2-Fluorobiphenyl	46.30	86.1	50 - 110	8.613	8.614	-0.0010	+/-0.500	
2-Fluorophenol	92.59	40.7	20 - 110	3.997	3.998	-0.0010	+/-0.500	
Nitrobenzene-d5	46.30	86.6	40 - 110	6.305	6.306	-0.0010	+/-0.500	
Phenol-d6	92.59	23.2	0 - 110	5.135	5.136	-0.0010	+/-0.500	
Terphenyl-d14	46.30	103	50 - 135	13.208	13.209	-0.0010	+/-0.500	
2,4,6-Tribromophenol	92.59	103	40 - 125	10.435	10.435	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29819	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Blank (2J17004-BLK1) ug/L				Lab File ID: J17004B1.D		Analyzed: 10/23/12 16:23		
2-Fluorobiphenyl	50.00	86.9	50 - 110	8.617	8.614	0.0030	+/-0.500	
2-Fluorophenol	100.0	33.3	20 - 110	3.99	3.998	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	88.4	40 - 110	6.298	6.306	-0.0080	+/-0.500	
Phenol-d6	100.0	22.4	0 - 110	5.129	5.136	-0.0070	+/-0.500	
Terphenyl-d14	50.00	105	50 - 135	13.212	13.209	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	76.1	40 - 125	10.428	10.435	-0.0070	+/-0.500	
LCS (2J17004-BS1) ug/L				Lab File ID: J17004L1.D		Analyzed: 10/23/12 16:50		
2-Fluorobiphenyl	50.00	84.7	50 - 110	8.616	8.614	0.0020	+/-0.500	
2-Fluorophenol	100.0	33.8	20 - 110	3.99	3.998	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	86.9	40 - 110	6.298	6.306	-0.0080	+/-0.500	
Phenol-d6	100.0	24.3	0 - 110	5.139	5.136	0.0030	+/-0.500	
Terphenyl-d14	50.00	94.1	50 - 135	13.212	13.209	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	70.8	40 - 125	10.438	10.435	0.0030	+/-0.500	
LCS Dup (2J17004-BSD1) ug/L				Lab File ID: J17004L2.D		Analyzed: 10/23/12 17:18		
2-Fluorobiphenyl	50.00	86.8	50 - 110	8.614	8.614	0.0000	+/-0.500	
2-Fluorophenol	100.0	48.3	20 - 110	3.987	3.998	-0.0110	+/-0.500	
Nitrobenzene-d5	50.00	88.3	40 - 110	6.306	6.306	0.0000	+/-0.500	
Phenol-d6	100.0	28.2	0 - 110	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	96.0	50 - 135	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	98.4	40 - 125	10.435	10.435	0.0000	+/-0.500	
GW0767 (1210135-01) ug/L				Lab File ID: 1013501.D		Analyzed: 10/23/12 22:53		
2-Fluorobiphenyl	55.56	78.3	50 - 110	8.615	8.614	0.0010	+/-0.500	
2-Fluorophenol	111.1	28.2	20 - 110	3.989	3.998	-0.0090	+/-0.500	
Nitrobenzene-d5	55.56	78.5	40 - 110	6.297	6.306	-0.0090	+/-0.500	
Phenol-d6	111.1	19.9	0 - 110	5.138	5.136	0.0020	+/-0.500	
Terphenyl-d14	55.56	95.6	50 - 135	13.211	13.209	0.0020	+/-0.500	
2,4,6-Tribromophenol	111.1	70.6	40 - 125	10.437	10.435	0.0020	+/-0.500	
GW0768 (1210135-03) ug/L				Lab File ID: 1013503.D		Analyzed: 10/23/12 23:21		
2-Fluorobiphenyl	50.00	72.2	50 - 110	8.614	8.614	0.0000	+/-0.500	
2-Fluorophenol	100.0	37.5	20 - 110	3.997	3.998	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	72.9	40 - 110	6.295	6.306	-0.0110	+/-0.500	
Phenol-d6	100.0	21.8	0 - 110	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	95.8	50 - 135	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	89.7	40 - 125	10.435	10.435	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30001	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J30001-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 10/24/12 12:01		
2-Fluorobiphenyl	50.00	101	80 - 120	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	108	80 - 120	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	104	80 - 120	6.305	6.305	0.0000	+/-0.500	
Phenol-d6	100.0	108	80 - 120	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	121	80 - 120	13.208	13.208	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	111	80 - 120	10.435	10.435	0.0000	+/-0.500	
GW0845 (1210135-11) ug/L				Lab File ID: 1013511.D		Analyzed: 10/24/12 12:57		
2-Fluorobiphenyl	46.30	74.6	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	92.59	36.0	20 - 110	3.987	3.997	-0.0100	+/-0.500	
Nitrobenzene-d5	46.30	74.7	40 - 110	6.295	6.305	-0.0100	+/-0.500	
Phenol-d6	92.59	21.2	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	46.30	95.5	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	92.59	92.4	40 - 125	10.435	10.435	0.0000	+/-0.500	
GW0846 (1210135-13) ug/L				Lab File ID: 1013513.D		Analyzed: 10/24/12 13:25		
2-Fluorobiphenyl	46.30	83.2	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	92.59	39.0	20 - 110	3.988	3.997	-0.0090	+/-0.500	
Nitrobenzene-d5	46.30	81.8	40 - 110	6.296	6.305	-0.0090	+/-0.500	
Phenol-d6	92.59	22.6	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	46.30	94.0	50 - 135	13.21	13.208	0.0020	+/-0.500	
2,4,6-Tribromophenol	92.59	90.8	40 - 125	10.436	10.435	0.0010	+/-0.500	
GW0847 (1210135-15) ug/L				Lab File ID: 1013515.D		Analyzed: 10/24/12 13:53		
2-Fluorobiphenyl	46.30	61.4	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	92.59	27.6	20 - 110	3.997	3.997	0.0000	+/-0.500	
Nitrobenzene-d5	46.30	61.9	40 - 110	6.295	6.305	-0.0100	+/-0.500	
Phenol-d6	92.59	17.6	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	46.30	82.2	50 - 135	13.208	13.208	0.0000	+/-0.500	
2,4,6-Tribromophenol	92.59	69.1	40 - 125	10.435	10.435	0.0000	+/-0.500	
GW0868 (1210135-17) ug/L				Lab File ID: 1013517.D		Analyzed: 10/24/12 14:21		
2-Fluorobiphenyl	47.17	76.8	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	94.34	36.7	20 - 110	3.987	3.997	-0.0100	+/-0.500	
Nitrobenzene-d5	47.17	76.2	40 - 110	6.295	6.305	-0.0100	+/-0.500	
Phenol-d6	94.34	21.2	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	47.17	91.6	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	84.8	40 - 125	10.436	10.435	0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30001	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0870 (1210135-21) ug/L				Lab File ID: 1013521.D		Analyzed: 10/24/12 14:48		
2-Fluorobiphenyl	50.00	74.7	50 - 110	8.616	8.613	0.0030	+/-0.500	
2-Fluorophenol	100.0	36.8	20 - 110	3.99	3.997	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	74.3	40 - 110	6.298	6.305	-0.0070	+/-0.500	
Phenol-d6	100.0	21.4	0 - 110	5.128	5.135	-0.0070	+/-0.500	
Terphenyl-d14	50.00	92.4	50 - 135	13.212	13.208	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	86.3	40 - 125	10.428	10.435	-0.0070	+/-0.500	
GW0844 (1210135-09) ug/L				Lab File ID: 1013509.D		Analyzed: 10/24/12 23:09		
2-Fluorobiphenyl	46.30	82.0	50 - 110	8.616	8.613	0.0030	+/-0.500	
2-Fluorophenol	92.59	37.3	20 - 110	3.989	3.997	-0.0080	+/-0.500	
Nitrobenzene-d5	46.30	83.5	40 - 110	6.298	6.305	-0.0070	+/-0.500	
Phenol-d6	92.59	23.1	0 - 110	5.128	5.135	-0.0070	+/-0.500	
Terphenyl-d14	46.30	99.6	50 - 135	13.211	13.208	0.0030	+/-0.500	
2,4,6-Tribromophenol	92.59	90.9	40 - 125	10.438	10.435	0.0030	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J11028	Laboratory ID:	2J11028-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	35.72	32.52	91.0	45 - 110
Acenaphthylene	35.72	35.00	98.0	50 - 105
Acetophenone	35.72	32.99	92.4	45 - 130
Anthracene	35.72	37.75	106	55 - 110
Atrazine	35.72	35.39	99.1	40 - 150
Benzaldehyde	35.72	35.57	99.6	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	38.61	108	55 - 110
Benzo(a)pyrene	35.72	37.45	105	55 - 110
Benzo(b)fluoranthene	35.72	40.22	113	45 - 120
Benzo(g,h,i)perylene	35.72	38.29	107	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	33.61	94.1	45 - 125
1,1-Biphenyl	35.72	33.25	93.1	45 - 135
4-Bromophenyl-phenylether	35.72	38.22	107	50 - 115
Butylbenzylphthalate	**35.72**	**42.89**	**120**	**45 - 115**
Caprolactam	35.72	7.147	20.0	5 - 110
Carbazole	35.72	41.09	115	50 - 115
4-Chloro-3-methylphenol	71.45	63.54	88.9	45 - 110
4-Chloroaniline	35.72	31.95	89.5	15 - 110
Bis(2-chloroethoxy)methane	35.72	35.29	98.8	45 - 105
Bis(2-chloroethyl)ether	35.72	34.92	97.8	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	34.04	95.3	25 - 130
2-Chloronaphthalene	35.72	33.07	92.6	50 - 105
2-Chlorophenol	71.45	59.47	83.2	35 - 105
4-Chlorophenyl phenyl ether	35.72	34.07	95.4	50 - 110
Chrysene	35.72	38.79	109	55 - 110
Dibenz(a,h)anthracene	35.72	38.54	108	40 - 125
Dibenzofuran	35.72	35.44	99.2	55 - 105
Di-n-butylphthalate	**35.72**	**42.05**	**118**	**55 - 115**

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J11028	Laboratory ID:	2J11028-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	**35.72**	**40.16**	**112**	**20 - 110**
2,4-Dichlorophenol	71.45	65.00	91.0	50 - 105
Diethylphthalate	35.72	36.60	102	40 - 120
2,4-Dimethylphenol	71.45	61.29	85.8	30 - 110
Dimethyl phthalate	35.72	36.88	103	25 - 125
4,6-Dinitro-2-methylphenol	71.45	81.36	114	40 - 130
2,4-Dinitrophenol	71.45	82.04	115	15 - 140
2,4-Dinitrotoluene	35.72	38.78	109	50 - 120
2,6-Dinitrotoluene	35.72	36.63	103	50 - 115
Di-n-octylphthalate	35.72	42.01	118	35 - 135
1,2-Diphenylhydrazine	35.72	38.23	107	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	42.90	120	40 - 125
Fluoranthene	35.72	39.44	110	55 - 115
Fluorene	35.72	35.24	98.7	50 - 110
Hexachlorobenzene	35.72	37.03	104	50 - 110
Hexachlorobutadiene	35.72	31.28	87.6	25 - 105
Hexachlorocyclopentadiene	35.72	32.86	92.0	0 - 120
Hexachloroethane	35.72	27.87	78.0	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	37.74	106	45 - 125
Isophorone	35.72	33.18	92.9	50 - 110
1-Methylnaphthalene	35.72	32.07	89.8	35 - 115
2-Methylnaphthalene	35.72	31.31	87.7	45 - 105
2-Methylphenol	71.45	51.19	71.6	40 - 110
3-Methylphenol/4-Methylphenol	71.45	46.40	64.9	30 - 110
Naphthalene	35.72	32.14	90.0	40 - 100
4-Nitroaniline	35.72	40.49	113	35 - 120
3-Nitroaniline	35.72	36.58	102	20 - 125
2-Nitroaniline	35.72	39.23	110	50 - 115
Nitrobenzene	35.72	31.94	89.4	45 - 110
4-Nitrophenol	71.45	23.83	33.3	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J11028	Laboratory ID:	2J11028-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	71.45	69.87	97.8	40 - 115
N-Nitrosodiphenylamine	35.72	32.87	92.0	50 - 110
N-Nitroso-di-n-propylamine	35.72	33.69	94.3	35 - 130
Pentachlorophenol	71.45	80.43	113	40 - 115
Phenanthrene	35.72	37.95	106	50 - 115
Phenol	71.45	21.09	29.5	0 - 115
Pyrene	35.72	39.61	111	50 - 130
2,4,6-Trichlorophenol	71.45	67.72	94.8	50 - 115
2,4,5-Trichlorophenol	71.45	70.85	99.2	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	35.72	32.56	91.2	0.148	30	45 - 110
Acenaphthylene	35.72	34.58	96.8	1.19	30	50 - 105
Acetophenone	35.72	32.49	91.0	1.53	30	45 - 130
Anthracene	35.72	37.97	106	0.572	30	55 - 110
Atrazine	35.72	34.28	96.0	3.17	30	40 - 150
Benzaldehyde	35.72	34.91	97.7	1.87	30	40 - 125
Benzidine	35.72	100 U	0		30	0 - 110
Benzo(a)anthracene	35.72	38.04	107	1.48	30	55 - 110
Benzo(a)pyrene	35.72	37.38	105	0.195	30	55 - 110
Benzo(b)fluoranthene	35.72	41.49	116	3.13	30	45 - 120
Benzo(g,h,i)perylene	35.72	37.79	106	1.31	30	40 - 125
Benzoic acid	71.45	100 U	0		30	0 - 125
Benzo(k)fluoranthene	35.72	32.35	90.6	3.82	30	45 - 125
1,1-Biphenyl	35.72	32.47	90.9	2.38	30	45 - 135
4-Bromophenyl-phenylether	35.72	37.20	104	2.71	30	50 - 115
Butylbenzylphthalate	**35.72**	**42.71**	**120 ***	**0.415**	**30**	**45 - 115**
Caprolactam	35.72	7.890	22.1	9.88	30	5 - 110
Carbazole	35.72	40.28	113	2.00	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J11028	Laboratory ID:	2J11028-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	71.45	64.17	89.8	0.985	30	45 - 110
4-Chloroaniline	35.72	33.11	92.7	3.54	30	15 - 110
Bis(2-chloroethoxy)methane	35.72	36.32	102	2.85	30	45 - 105
Bis(2-chloroethyl)ether	35.72	33.84	94.8	3.13	30	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	33.94	95.0	0.309	30	25 - 130
2-Chloronaphthalene	35.72	32.06	89.8	3.11	30	50 - 105
2-Chlorophenol	71.45	58.43	81.8	1.76	30	35 - 105
4-Chlorophenyl phenyl ether	35.72	34.42	96.4	1.01	30	50 - 110
Chrysene	35.72	37.86	106	2.42	30	55 - 110
Dibenz(a,h)anthracene	35.72	38.15	107	1.03	30	40 - 125
Dibenzofuran	35.72	34.89	97.7	1.56	30	55 - 105
Di-n-butylphthalate	35.72	40.64	114	3.41	30	55 - 115
3,3'-Dichlorobenzidine	**35.72**	**39.90**	**112 ***	**0.662**	**30**	**20 - 110**
2,4-Dichlorophenol	71.45	64.57	90.4	0.659	30	50 - 105
Diethylphthalate	35.72	35.30	98.8	3.60	30	40 - 120
2,4-Dimethylphenol	71.45	62.28	87.2	1.61	30	30 - 110
Dimethyl phthalate	35.72	35.81	100	2.93	30	25 - 125
4,6-Dinitro-2-methylphenol	71.45	80.54	113	1.01	30	40 - 130
2,4-Dinitrophenol	71.45	77.91	109	5.16	30	15 - 140
2,4-Dinitrotoluene	35.72	38.31	107	1.20	30	50 - 120
2,6-Dinitrotoluene	35.72	36.85	103	0.605	30	50 - 115
Di-n-octylphthalate	35.72	41.54	116	1.12	30	35 - 135
1,2-Diphenylhydrazine	35.72	37.13	104	2.91	30	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	42.79	120	0.242	30	40 - 125
Fluoranthene	35.72	39.08	109	0.914	30	55 - 115
Fluorene	35.72	34.36	96.2	2.52	30	50 - 110
Hexachlorobenzene	35.72	37.50	105	1.25	30	50 - 110
Hexachlorobutadiene	35.72	30.86	86.4	1.37	30	25 - 105
Hexachlorocyclopentadiene	35.72	32.78	91.8	0.229	30	0 - 120
Hexachloroethane	35.72	27.79	77.8	0.271	30	30 - 100

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J11028	Laboratory ID:	2J11028-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	35.72	37.33	105	1.10	30	45 - 125
Isophorone	35.72	32.83	91.9	1.03	30	50 - 110
1-Methylnaphthalene	35.72	32.48	91.0	1.29	30	35 - 115
2-Methylnaphthalene	35.72	31.79	89.0	1.52	30	45 - 105
2-Methylphenol	71.45	49.76	69.6	2.83	30	40 - 110
3-Methylphenol/4-Methylphenol	71.45	44.69	62.6	3.76	30	30 - 110
Naphthalene	35.72	32.42	90.8	0.858	30	40 - 100
4-Nitroaniline	35.72	40.34	113	0.376	30	35 - 120
3-Nitroaniline	35.72	37.26	104	1.83	30	20 - 125
2-Nitroaniline	35.72	38.78	109	1.15	30	50 - 115
Nitrobenzene	35.72	31.94	89.4	0.00751	30	45 - 110
4-Nitrophenol	71.45	21.66	30.3	9.54	30	0 - 125
2-Nitrophenol	71.45	70.72	99.0	1.21	30	40 - 115
N-Nitrosodiphenylamine	35.72	33.10	92.7	0.708	30	50 - 110
N-Nitroso-di-n-propylamine	35.72	34.20	95.8	1.49	30	35 - 130
Pentachlorophenol	71.45	76.87	108	4.52	30	40 - 115
Phenanthrene	35.72	37.75	106	0.539	30	50 - 115
Phenol	71.45	20.49	28.7	2.91	30	0 - 115
Pyrene	35.72	39.16	110	1.13	30	50 - 130
2,4,6-Trichlorophenol	71.45	65.68	91.9	3.07	30	50 - 115
2,4,5-Trichlorophenol	71.45	71.04	99.4	0.260	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J16004	Laboratory ID:	2J16004-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	35.72	28.53	79.9	45 - 110
Acenaphthylene	35.72	31.12	87.1	50 - 105
Acetophenone	35.72	31.67	88.7	45 - 130
Anthracene	35.72	33.94	95.0	55 - 110
Atrazine	35.72	32.12	89.9	40 - 150
Benzaldehyde	35.72	34.20	95.8	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	35.40	99.1	55 - 110
Benzo(a)pyrene	35.72	36.23	101	55 - 110
Benzo(b)fluoranthene	35.72	35.37	99.0	45 - 120
Benzo(g,h,i)perylene	35.72	35.50	99.4	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	34.00	95.2	45 - 125
1,1-Biphenyl	35.72	32.25	90.3	45 - 135
4-Bromophenyl-phenylether	35.72	33.15	92.8	50 - 115
Butylbenzylphthalate	35.72	38.98	109	45 - 115
Caprolactam	35.72	7.580	21.2	5 - 110
Carbazole	35.72	35.65	99.8	50 - 115
4-Chloro-3-methylphenol	71.45	58.50	81.9	45 - 110
4-Chloroaniline	35.72	31.52	88.3	15 - 110
Bis(2-chloroethoxy)methane	35.72	33.16	92.8	45 - 105
Bis(2-chloroethyl)ether	35.72	32.57	91.2	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	31.53	88.3	25 - 130
2-Chloronaphthalene	35.72	28.53	79.9	50 - 105
2-Chlorophenol	71.45	56.01	78.4	35 - 105
4-Chlorophenyl phenyl ether	35.72	31.11	87.1	50 - 110
Chrysene	35.72	34.70	97.2	55 - 110
Dibenz(a,h)anthracene	35.72	36.08	101	40 - 125
Dibenzofuran	35.72	31.52	88.2	55 - 105
Di-n-butylphthalate	35.72	36.15	101	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J16004	Laboratory ID:	2J16004-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	35.72	36.12	101	20 - 110
2,4-Dichlorophenol	71.45	60.15	84.2	50 - 105
Diethylphthalate	35.72	31.87	89.2	40 - 120
2,4-Dimethylphenol	71.45	54.58	76.4	30 - 110
Dimethyl phthalate	35.72	33.18	92.9	25 - 125
4,6-Dinitro-2-methylphenol	71.45	64.33	90.0	40 - 130
2,4-Dinitrophenol	71.45	55.96	78.3	15 - 140
2,4-Dinitrotoluene	35.72	33.53	93.9	50 - 120
2,6-Dinitrotoluene	35.72	33.97	95.1	50 - 115
Di-n-octylphthalate	35.72	40.07	112	35 - 135
1,2-Diphenylhydrazine	35.72	32.06	89.8	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	38.74	108	40 - 125
Fluoranthene	35.72	35.00	98.0	55 - 115
Fluorene	35.72	30.59	85.7	50 - 110
Hexachlorobenzene	35.72	33.43	93.6	50 - 110
Hexachlorobutadiene	35.72	26.18	73.3	25 - 105
Hexachlorocyclopentadiene	35.72	27.55	77.1	0 - 120
Hexachloroethane	35.72	24.24	67.9	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	35.20	98.6	45 - 125
Isophorone	35.72	31.77	89.0	50 - 110
1-Methylnaphthalene	35.72	28.32	79.3	35 - 115
2-Methylnaphthalene	35.72	28.40	79.5	45 - 105
2-Methylphenol	71.45	48.25	67.5	40 - 110
3-Methylphenol/4-Methylphenol	71.45	43.40	60.7	30 - 110
Naphthalene	35.72	29.28	82.0	40 - 100
4-Nitroaniline	35.72	36.25	101	35 - 120
3-Nitroaniline	35.72	32.37	90.6	20 - 125
2-Nitroaniline	35.72	35.16	98.4	50 - 115
Nitrobenzene	35.72	30.24	84.7	45 - 110
4-Nitrophenol	71.45	16.35	22.9	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J16004	Laboratory ID:	2J16004-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	71.45	69.99	98.0	40 - 115
N-Nitrosodiphenylamine	35.72	28.58	80.0	50 - 110
N-Nitroso-di-n-propylamine	35.72	32.05	89.7	35 - 130
Pentachlorophenol	71.45	65.64	91.9	40 - 115
Phenanthrene	35.72	33.40	93.5	50 - 115
Phenol	71.45	20.04	28.0	0 - 115
Pyrene	35.72	35.40	99.1	50 - 130
2,4,6-Trichlorophenol	71.45	58.33	81.6	50 - 115
2,4,5-Trichlorophenol	71.45	65.19	91.2	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17004	Laboratory ID:	2J17004-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	35.72	28.06	78.6	45 - 110
Acenaphthylene	35.72	30.81	86.3	50 - 105
Acetophenone	35.72	32.23	90.2	45 - 130
Anthracene	35.72	34.15	95.6	55 - 110
Atrazine	35.72	33.49	93.8	40 - 150
Benzaldehyde	35.72	34.77	97.4	40 - 125
Benzidine	35.72	15.99	44.8	0 - 110
Benzo(a)anthracene	35.72	33.98	95.2	55 - 110
Benzo(a)pyrene	35.72	35.20	98.6	55 - 110
Benzo(b)fluoranthene	35.72	36.58	102	45 - 120
Benzo(g,h,i)perylene	35.72	34.00	95.2	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	31.30	87.6	45 - 125
1,1-Biphenyl	35.72	31.91	89.4	45 - 135
4-Bromophenyl-phenylether	35.72	34.40	96.3	50 - 115
Butylbenzylphthalate	35.72	38.18	107	45 - 115
Caprolactam	35.72	8.109	22.7	5 - 110
Carbazole	35.72	36.14	101	50 - 115
4-Chloro-3-methylphenol	71.45	58.21	81.5	45 - 110
4-Chloroaniline	35.72	31.55	88.3	15 - 110
Bis(2-chloroethoxy)methane	35.72	34.83	97.5	45 - 105
Bis(2-chloroethyl)ether	35.72	32.48	90.9	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	31.08	87.0	25 - 130
2-Chloronaphthalene	35.72	26.77	75.0	50 - 105
2-Chlorophenol	71.45	45.86	64.2	35 - 105
4-Chlorophenyl phenyl ether	35.72	30.73	86.0	50 - 110
Chrysene	35.72	34.05	95.4	55 - 110
Dibenz(a,h)anthracene	35.72	35.44	99.2	40 - 125
Dibenzofuran	35.72	30.99	86.8	55 - 105
Di-n-butylphthalate	35.72	37.10	104	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17004	Laboratory ID:	2J17004-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	35.72	34.22	95.8	20 - 110
2,4-Dichlorophenol	71.45	51.57	72.2	50 - 105
Diethylphthalate	35.72	32.45	90.9	40 - 120
2,4-Dimethylphenol	71.45	57.37	80.3	30 - 110
Dimethyl phthalate	35.72	32.97	92.3	25 - 125
4,6-Dinitro-2-methylphenol	71.45	43.28	60.6	40 - 130
2,4-Dinitrophenol	71.45	36.83	51.6	15 - 140
2,4-Dinitrotoluene	35.72	33.79	94.6	50 - 120
2,6-Dinitrotoluene	35.72	33.94	95.0	50 - 115
Di-n-octylphthalate	35.72	38.59	108	35 - 135
1,2-Diphenylhydrazine	35.72	32.41	90.7	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	37.64	105	40 - 125
Fluoranthene	35.72	35.26	98.7	55 - 115
Fluorene	35.72	30.98	86.7	50 - 110
Hexachlorobenzene	35.72	33.15	92.8	50 - 110
Hexachlorobutadiene	35.72	23.88	66.8	25 - 105
Hexachlorocyclopentadiene	35.72	24.14	67.6	0 - 120
Hexachloroethane	35.72	21.27	59.6	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	34.37	96.2	45 - 125
Isophorone	35.72	32.24	90.3	50 - 110
1-Methylnaphthalene	35.72	26.43	74.0	35 - 115
2-Methylnaphthalene	35.72	25.82	72.3	45 - 105
2-Methylphenol	71.45	47.42	66.4	40 - 110
3-Methylphenol/4-Methylphenol	71.45	41.56	58.2	30 - 110
Naphthalene	35.72	27.19	76.1	40 - 100
4-Nitroaniline	35.72	36.39	102	35 - 120
3-Nitroaniline	35.72	33.99	95.2	20 - 125
2-Nitroaniline	35.72	35.50	99.4	50 - 115
Nitrobenzene	35.72	30.09	84.3	45 - 110
4-Nitrophenol	71.45	12.23	17.1	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17004	Laboratory ID:	2J17004-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	71.45	53.93	75.5	40 - 115
N-Nitrosodiphenylamine	35.72	29.69	83.1	50 - 110
N-Nitroso-di-n-propylamine	35.72	33.17	92.9	35 - 130
Pentachlorophenol	71.45	41.67	58.3	40 - 115
Phenanthrene	35.72	33.24	93.1	50 - 115
Phenol	71.45	17.40	24.4	0 - 115
Pyrene	35.72	34.53	96.7	50 - 130
2,4,6-Trichlorophenol	71.45	41.05	57.4	50 - 115
2,4,5-Trichlorophenol	71.45	48.90	68.4	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	35.72	27.76	77.7	1.05	30	45 - 110
Acenaphthylene	35.72	30.29	84.8	1.70	30	50 - 105
Acetophenone	35.72	32.09	89.8	0.433	30	45 - 130
Anthracene	35.72	34.57	96.8	1.20	30	55 - 110
Atrazine	35.72	33.19	92.9	0.878	30	40 - 150
Benzaldehyde	35.72	34.69	97.1	0.239	30	40 - 125
Benzidine	35.72	100 U	0		30	0 - 110
Benzo(a)anthracene	35.72	35.00	98.0	2.95	30	55 - 110
Benzo(a)pyrene	35.72	35.93	101	2.05	30	55 - 110
Benzo(b)fluoranthene	35.72	34.95	97.9	4.57	30	45 - 120
Benzo(g,h,i)perylene	35.72	35.02	98.1	2.97	30	40 - 125
Benzoic acid	71.45	12.61	17.6	76.1 *	30	0 - 125
Benzo(k)fluoranthene	35.72	33.24	93.1	6.01	30	45 - 125
1,1-Biphenyl	35.72	32.78	91.8	2.68	30	45 - 135
4-Bromophenyl-phenylether	35.72	34.28	96.0	0.334	30	50 - 115
Butylbenzylphthalate	35.72	38.34	107	0.412	30	45 - 115
Caprolactam	35.72	7.395	20.7	9.21	30	5 - 110
Carbazole	35.72	36.67	103	1.47	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17004	Laboratory ID:	2J17004-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	71.45	60.70	85.0	4.19	30	45 - 110
4-Chloroaniline	35.72	31.22	87.4	1.05	30	15 - 110
Bis(2-chloroethoxy)methane	35.72	33.97	95.1	2.50	30	45 - 105
Bis(2-chloroethyl)ether	35.72	32.52	91.0	0.102	30	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	30.40	85.1	2.22	30	25 - 130
2-Chloronaphthalene	35.72	25.94	72.6	3.17	30	50 - 105
2-Chlorophenol	71.45	57.02	79.8	21.7	30	35 - 105
4-Chlorophenyl phenyl ether	35.72	30.15	84.4	1.88	30	50 - 110
Chrysene	35.72	34.27	96.0	0.644	30	55 - 110
Dibenz(a,h)anthracene	35.72	35.25	98.7	0.559	30	40 - 125
Dibenzofuran	35.72	30.79	86.2	0.646	30	55 - 105
Di-n-butylphthalate	35.72	37.04	104	0.155	30	55 - 115
3,3'-Dichlorobenzidine	35.72	33.20	92.9	3.04	30	20 - 110
2,4-Dichlorophenol	71.45	61.63	86.3	17.8	30	50 - 105
Diethylphthalate	35.72	32.54	91.1	0.270	30	40 - 120
2,4-Dimethylphenol	71.45	58.05	81.2	1.18	30	30 - 110
Dimethyl phthalate	35.72	32.90	92.1	0.215	30	25 - 125
4,6-Dinitro-2-methylphenol	71.45	74.38	104	52.9 *	30	40 - 130
2,4-Dinitrophenol	71.45	68.46	95.8	60.1 *	30	15 - 140
2,4-Dinitrotoluene	35.72	34.31	96.1	1.52	30	50 - 120
2,6-Dinitrotoluene	35.72	34.07	95.4	0.382	30	50 - 115
Di-n-octylphthalate	35.72	39.22	110	1.63	30	35 - 135
1,2-Diphenylhydrazine	35.72	32.77	91.7	1.10	30	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	38.65	108	2.63	30	40 - 125
Fluoranthene	35.72	35.93	101	1.90	30	55 - 115
Fluorene	35.72	30.42	85.2	1.84	30	50 - 110
Hexachlorobenzene	35.72	33.32	93.3	0.513	30	50 - 110
Hexachlorobutadiene	35.72	23.12	64.7	3.23	30	25 - 105
Hexachlorocyclopentadiene	35.72	22.38	62.7	7.56	30	0 - 120
Hexachloroethane	35.72	20.00	56.0	6.13	30	30 - 100

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17004	Laboratory ID:	2J17004-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	35.72	34.58	96.8	0.582	30	45 - 125
Isophorone	35.72	32.38	90.7	0.457	30	50 - 110
1-Methylnaphthalene	35.72	25.81	72.3	2.35	30	35 - 115
2-Methylnaphthalene	35.72	25.37	71.0	1.76	30	45 - 105
2-Methylphenol	71.45	48.55	67.9	2.36	30	40 - 110
3-Methylphenol/4-Methylphenol	71.45	43.46	60.8	4.46	30	30 - 110
Naphthalene	35.72	26.57	74.4	2.34	30	40 - 100
4-Nitroaniline	35.72	37.32	104	2.53	30	35 - 120
3-Nitroaniline	35.72	33.55	93.9	1.31	30	20 - 125
2-Nitroaniline	35.72	35.80	100	0.829	30	50 - 115
Nitrobenzene	35.72	30.09	84.3	0.0116	30	45 - 110
4-Nitrophenol	71.45	20.71	29.0	51.4 *	30	0 - 125
2-Nitrophenol	71.45	69.79	97.7	25.6	30	40 - 115
N-Nitrosodiphenylamine	35.72	29.90	83.7	0.713	30	50 - 110
N-Nitroso-di-n-propylamine	35.72	32.65	91.4	1.59	30	35 - 130
Pentachlorophenol	71.45	71.28	99.8	52.4 *	30	40 - 115
Phenanthrene	35.72	34.08	95.4	2.50	30	50 - 115
Phenol	71.45	19.44	27.2	11.1	30	0 - 115
Pyrene	35.72	35.41	99.2	2.53	30	50 - 130
2,4,6-Trichlorophenol	71.45	61.41	85.9	39.8 *	30	50 - 115
2,4,5-Trichlorophenol	71.45	67.55	94.5	32.0 *	30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	35.72	ND	30.58	85.6		45 - 110
Acenaphthylene	35.72	ND	32.37	90.6		50 - 105
Acetophenone	35.72	ND	33.34	93.4		45 - 130
Anthracene	35.72	ND	35.46	99.3		55 - 110
Atrazine	35.72	ND	33.69	94.3		40 - 150
Benzaldehyde	35.72	ND	36.72	103		40 - 125
Benzidine	35.72	ND	100 U	0		0 - 110
Benzo(a)anthracene	35.72	ND	35.76	100		55 - 110
Benzo(a)pyrene	35.72	ND	35.08	98.2		55 - 110
Benzo(b)fluoranthene	35.72	ND	35.31	98.9		45 - 120
Benzo(g,h,i)perylene	35.72	ND	35.25	98.7		40 - 125
Benzoic acid	71.45	ND	100 U	0		0 - 125
Benzo(k)fluoranthene	35.72	ND	33.87	94.8		45 - 125
1,1-Biphenyl	35.72	ND	33.54	93.9		45 - 135
4-Bromophenyl-phenylether	35.72	ND	35.87	100		50 - 115
Butylbenzylphthalate	35.72	ND	39.52	111		45 - 115
Caprolactam	35.72	ND	7.253	20.3		5 - 110
Carbazole	35.72	ND	37.47	105		50 - 115
4-Chloro-3-methylphenol	71.45	ND	62.07	86.9		45 - 110
4-Chloroaniline	35.72	ND	30.90	86.5		15 - 110
Bis(2-chloroethoxy)methane	35.72	ND	35.70	99.9		45 - 105
Bis(2-chloroethyl)ether	35.72	ND	34.52	96.7		35 - 110
2,2'-Oxybis-1-chloropropane	35.72	ND	33.52	93.9		25 - 130
2-Chloronaphthalene	35.72	ND	30.76	86.1		50 - 105
2-Chlorophenol	71.45	ND	59.24	82.9		35 - 105
4-Chlorophenyl phenyl ether	35.72	ND	31.18	87.3		50 - 110
Chrysene	35.72	ND	35.09	98.2		55 - 110
Dibenz(a,h)anthracene	35.72	ND	35.44	99.2		40 - 125
Dibenzofuran	35.72	ND	32.39	90.7		55 - 105
Di-n-butylphthalate	35.72	ND	37.30	104		55 - 115
3,3'-Dichlorobenzidine	35.72	ND	33.73	94.4		20 - 110
2,4-Dichlorophenol	71.45	ND	64.45	90.2		50 - 105

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	35.72	ND	32.41	90.7		40 - 120
2,4-Dimethylphenol	71.45	ND	55.77	78.1		30 - 110
Dimethyl phthalate	35.72	ND	33.40	93.5		25 - 125
4,6-Dinitro-2-methylphenol	71.45	ND	69.11	96.7		40 - 130
2,4-Dinitrophenol	71.45	ND	56.42	79.0		15 - 140
2,4-Dinitrotoluene	35.72	ND	34.34	96.1		50 - 120
2,6-Dinitrotoluene	35.72	ND	34.18	95.7		50 - 115
Di-n-octylphthalate	35.72	ND	39.66	111		35 - 135
1,2-Diphenylhydrazine	35.72	ND	34.15	95.6		55 - 115
Bis(2-ethylhexyl)phthalate	35.72	ND	39.58	111		40 - 125
Fluoranthene	35.72	ND	36.63	103		55 - 115
Fluorene	35.72	ND	31.23	87.4		50 - 110
Hexachlorobenzene	35.72	ND	34.29	96.0		50 - 110
Hexachlorobutadiene	35.72	ND	31.75	88.9		25 - 105
Hexachlorocyclopentadiene	35.72	ND	30.80	86.2		0 - 120
Hexachloroethane	35.72	ND	27.53	77.1		30 - 100
Indeno(1,2,3-cd)pyrene	35.72	ND	34.95	97.9		45 - 125
Isophorone	35.72	ND	33.79	94.6		50 - 110
1-Methylnaphthalene	35.72	ND	31.50	88.2		35 - 115
2-Methylnaphthalene	35.72	ND	31.94	89.4		45 - 105
2-Methylphenol	71.45	ND	49.27	69.0		40 - 110
3-Methylphenol/4-Methylphenol	71.45	ND	43.88	61.4		30 - 110
Naphthalene	35.72	ND	32.37	90.6		40 - 100
4-Nitroaniline	35.72	ND	36.52	102		35 - 120
3-Nitroaniline	35.72	ND	32.60	91.3		20 - 125
2-Nitroaniline	35.72	ND	34.93	97.8		50 - 115
Nitrobenzene	35.72	ND	32.52	91.1		45 - 110
4-Nitrophenol	71.45	ND	19.17	26.8		0 - 125
2-Nitrophenol	71.45	ND	73.33	103		40 - 115
N-Nitrosodiphenylamine	35.72	ND	30.00	84.0		50 - 110
N-Nitroso-di-n-propylamine	35.72	ND	34.71	97.2		35 - 130
Pentachlorophenol	71.45	ND	73.13	102		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	35.72	ND	34.66	97.0		50 - 115
Phenol	71.45	ND	19.92	27.9		0 - 115
Pyrene	35.72	ND	36.44	102		50 - 130
2,4,6-Trichlorophenol	71.45	ND	61.56	86.2		50 - 115
2,4,5-Trichlorophenol	71.45	ND	67.10	93.9		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	35.72	28.27	79.1	7.85		30	45 - 110
Acenaphthylene	35.72	30.44	85.2	6.15		30	50 - 105
Acetophenone	35.72	29.56	82.8	12.0		30	45 - 130
Anthracene	35.72	35.85	100	1.09		30	55 - 110
Atrazine	35.72	34.76	97.3	3.11		30	40 - 150
Benzaldehyde	35.72	31.31	87.7	15.9		30	40 - 125
Benzidine	35.72	12.68	35.5			30	0 - 110
Benzo(a)anthracene	35.72	37.11	104	3.72		30	55 - 110
Benzo(a)pyrene	35.72	36.84	103	4.88		30	55 - 110
Benzo(b)fluoranthene	35.72	36.01	101	1.98		30	45 - 120
Benzo(g,h,i)perylene	35.72	36.24	101	2.77		30	40 - 125
Benzoic acid	71.45	100 U	0			30	0 - 125
Benzo(k)fluoranthene	35.72	35.87	100	5.72		30	45 - 125
1,1-Biphenyl	35.72	30.57	85.6	9.28		30	45 - 135
4-Bromophenyl-phenylether	35.72	35.10	98.3	2.16		30	50 - 115
Butylbenzylphthalate	35.72	40.84	114	3.28		30	45 - 115
Caprolactam	35.72	6.133	17.2	16.7		30	5 - 110
Carbazole	35.72	38.05	107	1.55		30	50 - 115
4-Chloro-3-methylphenol	71.45	54.79	76.7	12.5		30	45 - 110
4-Chloroaniline	35.72	27.79	77.8	10.6		30	15 - 110
Bis(2-chloroethoxy)methane	35.72	31.13	87.2	13.7		30	45 - 105
Bis(2-chloroethyl)ether	35.72	29.55	82.8	15.5		30	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	29.40	82.3	13.1		30	25 - 130
2-Chloronaphthalene	35.72	27.99	78.4	9.43		30	50 - 105
2-Chlorophenol	71.45	50.76	71.0	15.4		30	35 - 105
4-Chlorophenyl phenyl ether	35.72	30.79	86.2	1.27		30	50 - 110
Chrysene	35.72	35.81	100	2.04		30	55 - 110
Dibenz(a,h)anthracene	35.72	37.36	105	5.26		30	40 - 125
Dibenzofuran	35.72	31.02	86.9	4.31		30	55 - 105
Di-n-butylphthalate	35.72	38.76	109	3.84		30	55 - 115
3,3'-Dichlorobenzidine	35.72	36.44	102	7.73		30	20 - 110
2,4-Dichlorophenol	71.45	54.91	76.9	16.0		30	50 - 105
Diethylphthalate	35.72	33.00	92.4	1.83		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	71.45	48.74	68.2	13.5		30	30 - 110
Dimethyl phthalate	35.72	33.80	94.6	1.18		30	25 - 125
4,6-Dinitro-2-methylphenol	71.45	62.75	87.8	9.64		30	40 - 130
2,4-Dinitrophenol	71.45	43.14	60.4	26.7		30	15 - 140
2,4-Dinitrotoluene	35.72	35.04	98.1	2.03		30	50 - 120
2,6-Dinitrotoluene	35.72	34.14	95.6	0.114		30	50 - 115
Di-n-octylphthalate	35.72	41.08	115	3.52		30	35 - 135
1,2-Diphenylhydrazine	35.72	34.07	95.4	0.236		30	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	40.19	113	1.54		30	40 - 125
Fluoranthene	35.72	37.36	105	1.96		30	55 - 115
Fluorene	35.72	31.13	87.2	0.315		30	50 - 110
Hexachlorobenzene	35.72	34.80	97.4	1.48		30	50 - 110
Hexachlorobutadiene	35.72	25.84	72.3	20.5		30	25 - 105
Hexachlorocyclopentadiene	35.72	27.75	77.7	10.4		30	0 - 120
Hexachloroethane	35.72	23.61	66.1	15.3		30	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	36.37	102	3.96		30	45 - 125
Isophorone	35.72	29.71	83.2	12.8		30	50 - 110
1-Methylnaphthalene	35.72	27.72	77.6	12.8		30	35 - 115
2-Methylnaphthalene	35.72	27.53	77.1	14.8		30	45 - 105
2-Methylphenol	71.45	40.37	56.5	19.9		30	40 - 110
3-Methylphenol/4-Methylphenol	71.45	36.54	51.1	18.3		30	30 - 110
Naphthalene	35.72	28.11	78.7	14.1		30	40 - 100
4-Nitroaniline	35.72	38.71	108	5.82		30	35 - 120
3-Nitroaniline	35.72	33.42	93.6	2.48		30	20 - 125
2-Nitroaniline	35.72	34.73	97.2	0.578		30	50 - 115
Nitrobenzene	35.72	27.55	77.1	16.5		30	45 - 110
4-Nitrophenol	71.45	15.48	21.7	21.3		30	0 - 125
2-Nitrophenol	71.45	63.17	88.4	14.9		30	40 - 115
N-Nitrosodiphenylamine	35.72	30.81	86.3	2.67		30	50 - 110
N-Nitroso-di-n-propylamine	35.72	29.96	83.9	14.7		30	35 - 130
Pentachlorophenol	71.45	68.65	96.1	6.33		30	40 - 115
Phenanthrene	35.72	35.41	99.1	2.15		30	50 - 115
Phenol	71.45	16.19	22.7	20.7		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	35.72	37.11	104	1.84		30	50 - 130
2,4,6-Trichlorophenol	71.45	55.37	77.5	10.6		30	50 - 115
2,4,5-Trichlorophenol	71.45	63.59	89.0	5.36		30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	33.07	ND	25.73	77.8		45 - 110
Acenaphthylene	33.07	ND	27.75	83.9		50 - 105
Acetophenone	33.07	ND	27.01	81.7		45 - 130
Anthracene	33.07	ND	31.56	95.4		55 - 110
Atrazine	33.07	ND	30.99	93.7		40 - 150
Benzaldehyde	33.07	ND	28.43	86.0		40 - 125
Benzidine	33.07	ND	92.6 U	0		0 - 110
Benzo(a)anthracene	33.07	ND	31.98	96.7		55 - 110
Benzo(a)pyrene	33.07	ND	32.09	97.1		55 - 110
Benzo(b)fluoranthene	33.07	ND	33.42	101		45 - 120
Benzo(g,h,i)perylene	33.07	ND	31.45	95.1		40 - 125
Benzoic acid	66.16	ND	92.6 U	0		0 - 125
Benzo(k)fluoranthene	33.07	ND	28.64	86.6		45 - 125
1,1-Biphenyl	33.07	ND	28.03	84.8		45 - 135
4-Bromophenyl-phenylether	33.07	ND	31.17	94.3		50 - 115
Butylbenzylphthalate	33.07	ND	35.66	108		45 - 115
Caprolactam	33.07	ND	6.268	19.0		5 - 110
Carbazole	33.07	ND	33.68	102		50 - 115
4-Chloro-3-methylphenol	66.16	ND	51.83	78.3		45 - 110
4-Chloroaniline	33.07	ND	26.84	81.2		15 - 110
Bis(2-chloroethoxy)methane	33.07	ND	28.67	86.7		45 - 105
Bis(2-chloroethyl)ether	33.07	ND	26.80	81.0		35 - 110
2,2'-Oxybis-1-chloropropane	33.07	ND	26.73	80.8		25 - 130
2-Chloronaphthalene	33.07	ND	25.72	77.8		50 - 105
2-Chlorophenol	66.16	ND	47.17	71.3		35 - 105
4-Chlorophenyl phenyl ether	33.07	ND	27.32	82.6		50 - 110
Chrysene	33.07	ND	33.35	101		55 - 110
Dibenz(a,h)anthracene	33.07	ND	31.62	95.6		40 - 125
Dibenzofuran	33.07	ND	28.04	84.8		55 - 105
Di-n-butylphthalate	33.07	ND	34.21	103		55 - 115
3,3'-Dichlorobenzidine	33.07	ND	31.76	96.0		20 - 110
2,4-Dichlorophenol	66.16	ND	52.31	79.1		50 - 105

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	33.07	ND	29.11	88.0		40 - 120
2,4-Dimethylphenol	66.16	ND	44.59	67.4		30 - 110
Dimethyl phthalate	33.07	ND	29.71	89.8		25 - 125
4,6-Dinitro-2-methylphenol	66.16	ND	62.85	95.0		40 - 130
2,4-Dinitrophenol	66.16	ND	50.58	76.5		15 - 140
2,4-Dinitrotoluene	33.07	ND	30.93	93.5		50 - 120
2,6-Dinitrotoluene	33.07	ND	30.01	90.7		50 - 115
Di-n-octylphthalate	33.07	ND	35.05	106		35 - 135
1,2-Diphenylhydrazine	33.07	ND	30.03	90.8		55 - 115
Bis(2-ethylhexyl)phthalate	33.07	ND	35.41	107		40 - 125
Fluoranthene	33.07	ND	32.90	99.5		55 - 115
Fluorene	33.07	ND	27.79	84.0		50 - 110
Hexachlorobenzene	33.07	ND	30.13	91.1		50 - 110
Hexachlorobutadiene	33.07	ND	24.76	74.9		25 - 105
Hexachlorocyclopentadiene	33.07	ND	25.50	77.1		0 - 120
Hexachloroethane	33.07	ND	22.03	66.6		30 - 100
Indeno(1,2,3-cd)pyrene	33.07	ND	31.27	94.5		45 - 125
Isophorone	33.07	ND	27.28	82.5		50 - 110
1-Methylnaphthalene	33.07	ND	25.68	77.6		35 - 115
2-Methylnaphthalene	33.07	ND	25.15	76.1		45 - 105
2-Methylphenol	66.16	ND	38.88	58.8		40 - 110
3-Methylphenol/4-Methylphenol	66.16	ND	34.96	52.8		30 - 110
Naphthalene	33.07	ND	25.96	78.5		40 - 100
4-Nitroaniline	33.07	ND	32.99	99.8		35 - 120
3-Nitroaniline	33.07	ND	29.84	90.2		20 - 125
2-Nitroaniline	33.07	ND	30.94	93.6		50 - 115
Nitrobenzene	33.07	ND	25.93	78.4		45 - 110
4-Nitrophenol	66.16	ND	16.63	25.1		0 - 125
2-Nitrophenol	66.16	ND	56.77	85.8		40 - 115
N-Nitrosodiphenylamine	33.07	ND	27.19	82.2		50 - 110
N-Nitroso-di-n-propylamine	33.07	ND	27.98	84.6		35 - 130
Pentachlorophenol	66.16	ND	65.19	98.5		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	33.07	ND	31.40	94.9		50 - 115
Phenol	66.16	ND	15.74	23.8		0 - 115
Pyrene	33.07	ND	32.36	97.8		50 - 130
2,4,6-Trichlorophenol	66.16	ND	52.34	79.1		50 - 115
2,4,5-Trichlorophenol	66.16	ND	57.92	87.5		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	33.07	27.47	83.1	6.55		30	45 - 110
Acenaphthylene	33.07	29.45	89.1	5.95		30	50 - 105
Acetophenone	33.07	28.44	86.0	5.16		30	45 - 130
Anthracene	33.07	34.17	103	7.95		30	55 - 110
Atrazine	33.07	33.28	101	7.14		30	40 - 150
Benzaldehyde	33.07	29.65	89.7	4.21		30	40 - 125
Benzidine	33.07	92.6 U	0			30	0 - 110
Benzo(a)anthracene	33.07	34.57	105	7.78		30	55 - 110
Benzo(a)pyrene	33.07	34.88	105	8.32		30	55 - 110
Benzo(b)fluoranthene	33.07	34.19	103	2.27		30	45 - 120
Benzo(g,h,i)perylene	33.07	34.13	103	8.15		30	40 - 125
Benzoic acid	66.16	92.6 U	0			30	0 - 125
Benzo(k)fluoranthene	33.07	32.96	99.7	14.0		30	45 - 125
1,1-Biphenyl	33.07	30.63	92.6	8.85		30	45 - 135
4-Bromophenyl-phenylether	33.07	33.26	101	6.50		30	50 - 115
Butylbenzylphthalate	33.07	38.22	116	6.95	*	30	45 - 115
Caprolactam	33.07	6.151	18.6	1.90		30	5 - 110
Carbazole	33.07	35.73	108	5.91		30	50 - 115
4-Chloro-3-methylphenol	66.16	55.40	83.7	6.66		30	45 - 110
4-Chloroaniline	33.07	29.60	89.5	9.77		30	15 - 110
Bis(2-chloroethoxy)methane	33.07	30.50	92.2	6.19		30	45 - 105
Bis(2-chloroethyl)ether	33.07	28.81	87.1	7.23		30	35 - 110
2,2'-Oxybis-1-chloropropane	33.07	28.19	85.2	5.30		30	25 - 130
2-Chloronaphthalene	33.07	26.44	80.0	2.75		30	50 - 105
2-Chlorophenol	66.16	48.52	73.3	2.82		30	35 - 105
4-Chlorophenyl phenyl ether	33.07	29.93	90.5	9.12		30	50 - 110
Chrysene	33.07	33.63	102	0.813		30	55 - 110
Dibenz(a,h)anthracene	33.07	34.94	106	9.96		30	40 - 125
Dibenzofuran	33.07	30.40	91.9	8.07		30	55 - 105
Di-n-butylphthalate	33.07	35.26	107	3.01		30	55 - 115
3,3'-Dichlorobenzidine	33.07	35.99	109	12.5		30	20 - 110
2,4-Dichlorophenol	66.16	55.72	84.2	6.31		30	50 - 105
Diethylphthalate	33.07	31.57	95.5	8.09		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	66.16	49.39	74.7	10.2		30	30 - 110
Dimethyl phthalate	33.07	32.05	96.9	7.57		30	25 - 125
4,6-Dinitro-2-methylphenol	66.16	69.79	105	10.5		30	40 - 130
2,4-Dinitrophenol	66.16	61.00	92.2	18.7		30	15 - 140
2,4-Dinitrotoluene	33.07	33.59	102	8.27		30	50 - 120
2,6-Dinitrotoluene	33.07	33.17	100	9.99		30	50 - 115
Di-n-octylphthalate	33.07	38.31	116	8.90		30	35 - 135
1,2-Diphenylhydrazine	33.07	32.25	97.5	7.14		30	55 - 115
Bis(2-ethylhexyl)phthalate	33.07	38.41	116	8.14		30	40 - 125
Fluoranthene	33.07	34.95	106	6.07		30	55 - 115
Fluorene	33.07	29.90	90.4	7.32		30	50 - 110
Hexachlorobenzene	33.07	33.38	101	10.2		30	50 - 110
Hexachlorobutadiene	33.07	23.51	71.1	5.18		30	25 - 105
Hexachlorocyclopentadiene	33.07	24.85	75.1	2.59		30	0 - 120
Hexachloroethane	33.07	20.01	60.5	9.62		30	30 - 100
Indeno(1,2,3-cd)pyrene	33.07	34.08	103	8.61		30	45 - 125
Isophorone	33.07	29.10	88.0	6.45		30	50 - 110
1-Methylnaphthalene	33.07	25.75	77.9	0.302		30	35 - 115
2-Methylnaphthalene	33.07	25.32	76.6	0.674		30	45 - 105
2-Methylphenol	66.16	40.28	60.9	3.54		30	40 - 110
3-Methylphenol/4-Methylphenol	66.16	35.57	53.8	1.72		30	30 - 110
Naphthalene	33.07	25.64	77.5	1.26		30	40 - 100
4-Nitroaniline	33.07	35.77	108	8.09		30	35 - 120
3-Nitroaniline	33.07	31.68	95.8	5.97		30	20 - 125
2-Nitroaniline	33.07	34.22	103	10.1		30	50 - 115
Nitrobenzene	33.07	27.17	82.2	4.69		30	45 - 110
4-Nitrophenol	66.16	17.96	27.1	7.67		30	0 - 125
2-Nitrophenol	66.16	62.47	94.4	9.56		30	40 - 115
N-Nitrosodiphenylamine	33.07	29.35	88.8	7.63		30	50 - 110
N-Nitroso-di-n-propylamine	33.07	29.45	89.0	5.12		30	35 - 130
Pentachlorophenol	66.16	70.25	106	7.48		30	40 - 115
Phenanthrene	33.07	33.26	101	5.75		30	50 - 115
Phenol	66.16	15.72	23.8	0.149		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16004

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	33.07	34.85	105	7.42		30	50 - 130
2,4,6-Trichlorophenol	66.16	57.83	87.4	9.97		30	50 - 115
2,4,5-Trichlorophenol	66.16	64.55	97.6	10.8		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J11028 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0782	1210102-13	10/12/12 10:00	1,080.00	1.00
GW0783	1210102-15	10/12/12 10:00	1,000.00	1.00
GW0784	1210102-17	10/12/12 10:00	1,000.00	1.00
GW0785	1210102-19	10/12/12 10:00	1,080.00	1.00
GW0795	1210102-21	10/12/12 10:00	1,000.00	1.00
GW0796	1210102-23	10/12/12 10:00	1,000.00	1.00
GW0797	1210102-25	10/12/12 10:00	1,000.00	1.00
GW0798	1210102-27	10/12/12 10:00	1,020.00	1.00
Blank	2J11028-BLK1	10/12/12 10:00	1,000.00	1.00
LCS	2J11028-BS1	10/12/12 10:00	1,000.00	1.00
LCS Dup	2J11028-BSD1	10/12/12 10:00	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J16004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/16/12 10:00	1,000.00	1.00
GW0753	1210102-03	10/16/12 10:00	1,000.00	1.00
GW0769	1210102-05	10/16/12 10:00	1,000.00	1.00
GW0770	1210102-07	10/16/12 10:00	1,020.00	1.00
GW0771	1210102-09	10/16/12 10:00	900.00	1.00
GW0778	1210102-11	10/16/12 10:00	1,060.00	1.00
GW0793	1210135-05	10/16/12 10:00	1,000.00	1.00
GW0794	1210135-07	10/16/12 10:00	1,000.00	1.00
GW0869	1210135-19	10/16/12 10:00	1,020.00	1.00
Blank	2J16004-BLK1	10/16/12 10:00	1,000.00	1.00
LCS	2J16004-BS1	10/16/12 10:00	1,000.00	1.00
GW0793	2J16004-MS1	10/16/12 10:00	1,000.00	1.00
GW0869	2J16004-MS3	10/16/12 10:00	1,080.00	1.00
GW0793	2J16004-MSD1	10/16/12 10:00	1,000.00	1.00
GW0869	2J16004-MSD3	10/16/12 10:00	1,080.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J17004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/17/12 09:54	900.00	1.00
GW0768	1210135-03	10/17/12 09:54	1,000.00	1.00
GW0844	1210135-09	10/17/12 09:54	1,080.00	1.00
GW0845	1210135-11	10/17/12 09:54	1,080.00	1.00
GW0846	1210135-13	10/17/12 09:54	1,080.00	1.00
GW0847	1210135-15	10/17/12 09:54	1,080.00	1.00
GW0868	1210135-17	10/17/12 09:54	1,060.00	1.00
GW0870	1210135-21	10/17/12 09:54	1,000.00	1.00
Blank	2J17004-BLK1	10/17/12 09:54	1,000.00	1.00
LCS	2J17004-BS1	10/17/12 09:54	1,000.00	1.00
LCS Dup	2J17004-BSD1	10/17/12 09:54	1,000.00	1.00

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J11028-BLK1 File ID: J11028B1.D

Sampled: Prepared: Analyzed: 10/17/12 16:55

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J11028 Sequence: 2J29213 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
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	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J11028-BLK1 File ID: J11028B1.D

Sampled: Prepared: Analyzed: 10/17/12 16:55

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J11028 Sequence: 2J29213 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.72	73.4	50 - 110	
2-Fluorophenol	100.0	30.24	30.2	20 - 110	
Nitrobenzene-d5	50.00	37.72	75.4	40 - 110	
Phenol-d6	100.0	20.03	20.0	0 - 110	
Terphenyl-d14	50.00	46.20	92.4	50 - 135	
2,4,6-Tribromophenol	100.0	72.24	72.2	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J11028-BS1 | File ID: J11028L1.D

Sampled: | Prepared: | Analyzed: 10/17/12 17:23

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J11028 | Sequence: 2J29213 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**32.52**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**35.00**	1.25	2.50	5.00	
98-86-2	Acetophenone	**32.99**	1.25	2.50	5.00	
120-12-7	Anthracene	**37.75**	1.25	2.50	5.00	
1912-24-9	Atrazine	**35.39**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**35.57**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**38.61**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**37.45**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**40.22**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**38.29**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**33.61**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**33.25**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**38.22**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**42.89**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.147**	1.25	2.50	5.00	
86-74-8	Carbazole	**41.09**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**63.54**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**31.95**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**35.29**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**34.92**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**34.04**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**33.07**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**59.47**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**34.07**	1.25	2.50	5.00	
218-01-9	Chrysene	**38.79**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**38.54**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**35.44**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**42.05**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**40.16**	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	**65.00**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**36.60**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**61.29**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**36.88**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**81.36**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**82.04**	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	**38.78**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**36.63**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**42.01**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J11028-BS1 | File ID: J11028L1.D

Sampled: | Prepared: | Analyzed: 10/17/12 17:23

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J11028 | Sequence: 2J29213 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**38.23**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**42.90**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**39.44**	1.25	2.50	5.00	
86-73-7	Fluorene	**35.24**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**37.03**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**31.28**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**32.86**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**27.87**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**37.74**	1.25	2.50	5.00	
78-59-1	Isophorone	**33.18**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**32.07**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**31.31**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**51.19**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**46.40**	1.25	2.50	5.00	
91-20-3	Naphthalene	**32.14**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**40.49**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**36.58**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**39.23**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**31.94**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**23.83**	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	**69.87**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**32.87**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**33.69**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**80.43**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**37.95**	1.25	2.50	5.00	
108-95-2	Phenol	**21.09**	1.25	2.50	5.00	
129-00-0	Pyrene	**39.61**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**67.72**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**70.85**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.17	88.3	50 - 110	
2-Fluorophenol	100.0	48.32	48.3	20 - 110	
Nitrobenzene-d5	50.00	43.45	86.9	40 - 110	
Phenol-d6	100.0	27.88	27.9	0 - 110	
Terphenyl-d14	50.00	50.99	102	50 - 135	
2,4,6-Tribromophenol	100.0	101.4	101	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J11028-BSD1 File ID: J11028L2.D

Sampled: Prepared: Analyzed: 10/17/12 17:50

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J11028 Sequence: 2J29213 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**32.56**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**34.58**	1.25	2.50	5.00	
98-86-2	Acetophenone	**32.49**	1.25	2.50	5.00	
120-12-7	Anthracene	**37.97**	1.25	2.50	5.00	
1912-24-9	Atrazine	**34.28**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**34.91**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**38.04**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**37.38**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**41.49**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**37.79**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**32.35**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**32.47**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**37.20**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**42.71**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.890**	1.25	2.50	5.00	
86-74-8	Carbazole	**40.28**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**64.17**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**33.11**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**36.32**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**33.84**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**33.94**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**32.06**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**58.43**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**34.42**	1.25	2.50	5.00	
218-01-9	Chrysene	**37.86**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**38.15**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**34.89**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**40.64**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**39.90**	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	**64.57**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**35.30**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**62.28**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**35.81**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**80.54**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**77.91**	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	**38.31**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**36.85**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**41.54**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J11028-BSD1 | File ID: J11028L2.D

Sampled: | Prepared: | Analyzed: 10/17/12 17:50

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J11028 | Sequence: 2J29213 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**37.13**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**42.79**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**39.08**	1.25	2.50	5.00	
86-73-7	Fluorene	**34.36**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**37.50**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**30.86**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**32.78**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**27.79**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**37.33**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.83**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**32.48**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**31.79**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**49.76**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**44.69**	1.25	2.50	5.00	
91-20-3	Naphthalene	**32.42**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**40.34**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**37.26**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**38.78**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**31.94**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**21.66**	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	**70.72**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**33.10**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**34.20**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**76.87**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**37.75**	1.25	2.50	5.00	
108-95-2	Phenol	**20.49**	1.25	2.50	5.00	
129-00-0	Pyrene	**39.16**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**65.68**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**71.04**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.72	87.4	50 - 110	
2-Fluorophenol	100.0	46.62	46.6	20 - 110	
Nitrobenzene-d5	50.00	43.86	87.7	40 - 110	
Phenol-d6	100.0	27.28	27.3	0 - 110	
Terphenyl-d14	50.00	50.78	102	50 - 135	
2,4,6-Tribromophenol	100.0	102.2	102	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-BLK1 File ID: J16004B1.D

Sampled: Prepared: Analyzed: 10/22/12 17:39

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
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_065

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

Matrix: Laboratory ID: 2J16004-BLK1 File ID: J16004B1.D

Sampled: Prepared: Analyzed: 10/22/12 17:39

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.59	87.2	50 - 110	
2-Fluorophenol	100.0	25.64	25.6	20 - 110	
Nitrobenzene-d5	50.00	44.97	89.9	40 - 110	
Phenol-d6	100.0	23.64	23.6	0 - 110	
Terphenyl-d14	50.00	50.61	101	50 - 135	
2,4,6-Tribromophenol	100.0	63.36	63.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J16004-BS1 | File ID: J16004L1.D

Sampled: | Prepared: | Analyzed: 10/22/12 18:07

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J16004 | Sequence: 2J29716 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**28.53**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**31.12**	1.25	2.50	5.00	
98-86-2	Acetophenone	**31.67**	1.25	2.50	5.00	
120-12-7	Anthracene	**33.94**	1.25	2.50	5.00	
1912-24-9	Atrazine	**32.12**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**34.20**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**35.40**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**36.23**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**35.37**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**35.50**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**34.00**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**32.25**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**33.15**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**38.98**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.580**	1.25	2.50	5.00	X
86-74-8	Carbazole	**35.65**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**58.50**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**31.52**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**33.16**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**32.57**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**31.53**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**28.53**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**56.01**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**31.11**	1.25	2.50	5.00	
218-01-9	Chrysene	**34.70**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.08**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**31.52**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**36.15**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**36.12**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**60.15**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**31.87**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**54.58**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**33.18**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**64.33**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**55.96**	8.33	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	**33.53**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**33.97**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**40.07**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J16004-BS1 | File ID: J16004L1.D

Sampled: | Prepared: | Analyzed: 10/22/12 18:07

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J16004 | Sequence: 2J29716 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**32.06**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**38.74**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**35.00**	1.25	2.50	5.00	
86-73-7	Fluorene	**30.59**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**33.43**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**26.18**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**27.55**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**24.24**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**35.20**	1.25	2.50	5.00	
78-59-1	Isophorone	**31.77**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**28.32**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**28.40**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**48.25**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**43.40**	1.25	2.50	5.00	
91-20-3	Naphthalene	**29.28**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**36.25**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**32.37**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.16**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**30.24**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**16.35**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**69.99**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**28.58**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**32.05**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**65.64**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**33.40**	1.25	2.50	5.00	
108-95-2	Phenol	**20.04**	1.25	2.50	5.00	
129-00-0	Pyrene	**35.40**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**58.33**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**65.19**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.57	83.1	50 - 110	
2-Fluorophenol	100.0	48.25	48.3	20 - 110	
Nitrobenzene-d5	50.00	43.00	86.0	40 - 110	
Phenol-d6	100.0	28.25	28.3	0 - 110	
Terphenyl-d14	50.00	48.53	97.1	50 - 135	
2,4,6-Tribromophenol	100.0	95.49	95.5	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MS1 File ID: 1013505M.D

Sampled: Prepared: Analyzed: 10/23/12 00:36

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**30.58**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**32.37**	1.25	2.50	5.00	
98-86-2	Acetophenone	**33.34**	1.25	2.50	5.00	
120-12-7	Anthracene	**35.46**	1.25	2.50	5.00	
1912-24-9	Atrazine	**33.69**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**36.72**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**35.76**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**35.08**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**35.31**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**35.25**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**33.87**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**33.54**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**35.87**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**39.52**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.253**	1.25	2.50	5.00	X
86-74-8	Carbazole	**37.47**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**62.07**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**30.90**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**35.70**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**34.52**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**33.52**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**30.76**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**59.24**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**31.18**	1.25	2.50	5.00	
218-01-9	Chrysene	**35.09**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**35.44**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**32.39**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**37.30**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**33.73**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**64.45**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**32.41**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**55.77**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**33.40**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**69.11**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**56.42**	8.33	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	**34.34**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**34.18**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**39.66**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MS1 File ID: 1013505M.D

Sampled: Prepared: Analyzed: 10/23/12 00:36

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**34.15**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**39.58**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**36.63**	1.25	2.50	5.00	
86-73-7	Fluorene	**31.23**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**34.29**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**31.75**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**30.80**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**27.53**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**34.95**	1.25	2.50	5.00	
78-59-1	Isophorone	**33.79**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**31.50**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**31.94**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**49.27**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**43.88**	1.25	2.50	5.00	
91-20-3	Naphthalene	**32.37**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**36.52**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**32.60**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**34.93**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**32.52**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**19.17**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**73.33**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**30.00**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**34.71**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**73.13**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**34.66**	1.25	2.50	5.00	
108-95-2	Phenol	**19.92**	1.25	2.50	5.00	
129-00-0	Pyrene	**36.44**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**61.56**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**67.10**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.58	87.2	50 - 110	
2-Fluorophenol	100.0	48.45	48.4	20 - 110	
Nitrobenzene-d5	50.00	46.07	92.1	40 - 110	
Phenol-d6	100.0	28.32	28.3	0 - 110	
Terphenyl-d14	50.00	49.50	99.0	50 - 135	
2,4,6-Tribromophenol	100.0	99.26	99.3	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MS3 File ID: 1013519M.D

Sampled: Prepared: Analyzed: 10/23/12 14:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**25.73**	1.16	2.31	4.63	
208-96-8	Acenaphthylene	**27.75**	1.16	2.31	4.63	
98-86-2	Acetophenone	**27.01**	1.16	2.31	4.63	
120-12-7	Anthracene	**31.56**	1.16	2.31	4.63	
1912-24-9	Atrazine	**30.99**	1.16	2.31	4.63	
100-52-7	Benzaldehyde	**28.43**	1.16	2.31	4.63	
92-87-5	Benzidine		11.6	46.3	92.6	UX
56-55-3	Benzo(a)anthracene	**31.98**	1.16	2.31	4.63	
50-32-8	Benzo(a)pyrene	**32.09**	1.16	2.31	4.63	
205-99-2	Benzo(b)fluoranthene	**33.42**	1.16	2.31	4.63	
191-24-2	Benzo(g,h,i)perylene	**31.45**	1.16	2.31	4.63	
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene	**28.64**	1.16	2.31	4.63	
92-52-4	1,1-Biphenyl	**28.03**	1.16	2.31	4.63	
101-55-3	4-Bromophenyl-phenylether	**31.17**	1.16	2.31	4.63	
85-68-7	Butylbenzylphthalate	**35.66**	1.16	2.31	4.63	
105-60-2	Caprolactam	**6.268**	1.16	2.31	4.63	X
86-74-8	Carbazole	**33.68**	1.16	2.31	4.63	
59-50-7	4-Chloro-3-methylphenol	**51.83**	1.16	2.31	4.63	
106-47-8	4-Chloroaniline	**26.84**	1.16	2.31	4.63	
111-91-1	Bis(2-chloroethoxy)methane	**28.67**	1.16	2.31	4.63	
111-44-4	Bis(2-chloroethyl)ether	**26.80**	1.16	2.31	4.63	
108-60-1	2,2'-Oxybis-1-chloropropane	**26.73**	1.16	2.31	4.63	
91-58-7	2-Chloronaphthalene	**25.72**	1.16	2.31	4.63	
95-57-8	2-Chlorophenol	**47.17**	1.16	2.31	4.63	
7005-72-3	4-Chlorophenyl phenyl ether	**27.32**	1.16	2.31	4.63	
218-01-9	Chrysene	**33.35**	1.16	2.31	4.63	
53-70-3	Dibenz(a,h)anthracene	**31.62**	1.16	2.31	4.63	
132-64-9	Dibenzofuran	**28.04**	1.16	2.31	4.63	
84-74-2	Di-n-butylphthalate	**34.21**	1.16	2.31	4.63	
91-94-1	3,3'-Dichlorobenzidine	**31.76**	1.16	2.31	4.63	X
120-83-2	2,4-Dichlorophenol	**52.31**	1.16	2.31	4.63	
84-66-2	Diethylphthalate	**29.11**	1.16	2.31	4.63	
105-67-9	2,4-Dimethylphenol	**44.59**	4.63	9.26	18.5	
131-11-3	Dimethyl phthalate	**29.71**	1.16	2.31	4.63	
534-52-1	4,6-Dinitro-2-methylphenol	**62.85**	4.63	9.26	18.5	
51-28-5	2,4-Dinitrophenol	**50.58**	7.71	23.1	46.3	X
121-14-2	2,4-Dinitrotoluene	**30.93**	1.16	2.31	4.63	
606-20-2	2,6-Dinitrotoluene	**30.01**	1.16	2.31	4.63	
117-84-0	Di-n-octylphthalate	**35.05**	1.16	2.31	4.63	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MS3 File ID: 1013519M.D

Sampled: Prepared: Analyzed: 10/23/12 14:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**30.03**	1.16	2.31	4.63	
117-81-7	Bis(2-ethylhexyl)phthalate	**35.41**	1.16	2.31	4.63	
206-44-0	Fluoranthene	**32.90**	1.16	2.31	4.63	
86-73-7	Fluorene	**27.79**	1.16	2.31	4.63	
118-74-1	Hexachlorobenzene	**30.13**	1.16	2.31	4.63	
87-68-3	Hexachlorobutadiene	**24.76**	1.16	2.31	4.63	
77-47-4	Hexachlorocyclopentadiene	**25.50**	1.16	4.63	9.26	
67-72-1	Hexachloroethane	**22.03**	1.16	2.31	4.63	
193-39-5	Indeno(1,2,3-cd)pyrene	**31.27**	1.16	2.31	4.63	
78-59-1	Isophorone	**27.28**	1.16	2.31	4.63	
90-12-0	1-Methylnaphthalene	**25.68**	1.16	2.31	4.63	
91-57-6	2-Methylnaphthalene	**25.15**	1.16	2.31	4.63	
95-48-7	2-Methylphenol	**38.88**	1.16	2.31	4.63	
108-39-4/106	3-Methylphenol/4-Methylphenol	**34.96**	1.16	2.31	4.63	
91-20-3	Naphthalene	**25.96**	1.16	2.31	4.63	
100-01-6	4-Nitroaniline	**32.99**	4.63	9.26	18.5	
99-09-2	3-Nitroaniline	**29.84**	4.63	9.26	18.5	
88-74-4	2-Nitroaniline	**30.94**	4.63	9.26	18.5	
98-95-3	Nitrobenzene	**25.93**	1.16	2.31	4.63	
100-02-7	4-Nitrophenol	**16.63**	4.63	9.26	18.5	J
88-75-5	2-Nitrophenol	**56.77**	1.16	2.31	4.63	X
86-30-6	N-Nitrosodiphenylamine	**27.19**	1.16	2.31	4.63	
621-64-7	N-Nitroso-di-n-propylamine	**27.98**	1.16	2.31	4.63	
87-86-5	Pentachlorophenol	**65.19**	4.63	9.26	18.5	
85-01-8	Phenanthrene	**31.40**	1.16	2.31	4.63	
108-95-2	Phenol	**15.74**	1.16	2.31	4.63	
129-00-0	Pyrene	**32.36**	1.16	2.31	4.63	
88-06-2	2,4,6-Trichlorophenol	**52.34**	1.16	2.31	4.63	
95-95-4	2,4,5-Trichlorophenol	**57.92**	1.16	2.31	4.63	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	37.33	80.6	50 - 110	
2-Fluorophenol	92.59	38.25	41.3	20 - 110	
Nitrobenzene-d5	46.30	37.10	80.1	40 - 110	
Phenol-d6	92.59	22.48	24.3	0 - 110	
Terphenyl-d14	46.30	45.15	97.5	50 - 135	
2,4,6-Tribromophenol	92.59	89.55	96.7	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MSD1 File ID: 1013505S.D

Sampled: Prepared: Analyzed: 10/23/12 01:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**28.27**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**30.44**	1.25	2.50	5.00	
98-86-2	Acetophenone	**29.56**	1.25	2.50	5.00	
120-12-7	Anthracene	**35.85**	1.25	2.50	5.00	
1912-24-9	Atrazine	**34.76**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**31.31**	1.25	2.50	5.00	
92-87-5	Benzidine	**12.68**	12.5	50.0	100	XJ
56-55-3	Benzo(a)anthracene	**37.11**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**36.84**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**36.01**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**36.24**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**35.87**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**30.57**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**35.10**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**40.84**	1.25	2.50	5.00	
105-60-2	Caprolactam	**6.133**	1.25	2.50	5.00	X
86-74-8	Carbazole	**38.05**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**54.79**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**27.79**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**31.13**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**29.55**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**29.40**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**27.99**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**50.76**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**30.79**	1.25	2.50	5.00	
218-01-9	Chrysene	**35.81**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**37.36**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**31.02**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**38.76**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**36.44**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**54.91**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**33.00**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**48.74**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**33.80**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**62.75**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**43.14**	8.33	25.0	50.0	XJ
121-14-2	2,4-Dinitrotoluene	**35.04**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**34.14**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**41.08**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MSD1 File ID: 1013505S.D

Sampled: Prepared: Analyzed: 10/23/12 01:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29716 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**34.07**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**40.19**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**37.36**	1.25	2.50	5.00	
86-73-7	Fluorene	**31.13**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**34.80**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**25.84**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**27.75**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**23.61**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**36.37**	1.25	2.50	5.00	
78-59-1	Isophorone	**29.71**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**27.72**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**27.53**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**40.37**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**36.54**	1.25	2.50	5.00	
91-20-3	Naphthalene	**28.11**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**38.71**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**33.42**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**34.73**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**27.55**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**15.48**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**63.17**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**30.81**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**29.96**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**68.65**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**35.41**	1.25	2.50	5.00	
108-95-2	Phenol	**16.19**	1.25	2.50	5.00	
129-00-0	Pyrene	**37.11**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**55.37**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**63.59**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.59	81.2	50 - 110	
2-Fluorophenol	100.0	38.17	38.2	20 - 110	
Nitrobenzene-d5	50.00	39.50	79.0	40 - 110	
Phenol-d6	100.0	21.89	21.9	0 - 110	
Terphenyl-d14	50.00	50.11	100	50 - 135	
2,4,6-Tribromophenol	100.0	98.24	98.2	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MSD3 File ID: 1013519S.D

Sampled: Prepared: Analyzed: 10/23/12 14:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**27.47**	1.16	2.31	4.63	
208-96-8	Acenaphthylene	**29.45**	1.16	2.31	4.63	
98-86-2	Acetophenone	**28.44**	1.16	2.31	4.63	
120-12-7	Anthracene	**34.17**	1.16	2.31	4.63	
1912-24-9	Atrazine	**33.28**	1.16	2.31	4.63	
100-52-7	Benzaldehyde	**29.65**	1.16	2.31	4.63	
92-87-5	Benzidine		11.6	46.3	92.6	UX
56-55-3	Benzo(a)anthracene	**34.57**	1.16	2.31	4.63	
50-32-8	Benzo(a)pyrene	**34.88**	1.16	2.31	4.63	
205-99-2	Benzo(b)fluoranthene	**34.19**	1.16	2.31	4.63	
191-24-2	Benzo(g,h,i)perylene	**34.13**	1.16	2.31	4.63	
65-85-0	Benzoic acid		11.6	46.3	92.6	U
207-08-9	Benzo(k)fluoranthene	**32.96**	1.16	2.31	4.63	
92-52-4	1,1-Biphenyl	**30.63**	1.16	2.31	4.63	
101-55-3	4-Bromophenyl-phenylether	**33.26**	1.16	2.31	4.63	
85-68-7	Butylbenzylphthalate	**38.22**	1.16	2.31	4.63	
105-60-2	Caprolactam	**6.151**	1.16	2.31	4.63	X
86-74-8	Carbazole	**35.73**	1.16	2.31	4.63	
59-50-7	4-Chloro-3-methylphenol	**55.40**	1.16	2.31	4.63	
106-47-8	4-Chloroaniline	**29.60**	1.16	2.31	4.63	
111-91-1	Bis(2-chloroethoxy)methane	**30.50**	1.16	2.31	4.63	
111-44-4	Bis(2-chloroethyl)ether	**28.81**	1.16	2.31	4.63	
108-60-1	2,2'-Oxybis-1-chloropropane	**28.19**	1.16	2.31	4.63	
91-58-7	2-Chloronaphthalene	**26.44**	1.16	2.31	4.63	
95-57-8	2-Chlorophenol	**48.52**	1.16	2.31	4.63	
7005-72-3	4-Chlorophenyl phenyl ether	**29.93**	1.16	2.31	4.63	
218-01-9	Chrysene	**33.63**	1.16	2.31	4.63	
53-70-3	Dibenz(a,h)anthracene	**34.94**	1.16	2.31	4.63	
132-64-9	Dibenzofuran	**30.40**	1.16	2.31	4.63	
84-74-2	Di-n-butylphthalate	**35.26**	1.16	2.31	4.63	
91-94-1	3,3'-Dichlorobenzidine	**35.99**	1.16	2.31	4.63	X
120-83-2	2,4-Dichlorophenol	**55.72**	1.16	2.31	4.63	
84-66-2	Diethylphthalate	**31.57**	1.16	2.31	4.63	
105-67-9	2,4-Dimethylphenol	**49.39**	4.63	9.26	18.5	
131-11-3	Dimethyl phthalate	**32.05**	1.16	2.31	4.63	
534-52-1	4,6-Dinitro-2-methylphenol	**69.79**	4.63	9.26	18.5	
51-28-5	2,4-Dinitrophenol	**61.00**	7.71	23.1	46.3	X
121-14-2	2,4-Dinitrotoluene	**33.59**	1.16	2.31	4.63	
606-20-2	2,6-Dinitrotoluene	**33.17**	1.16	2.31	4.63	
117-84-0	Di-n-octylphthalate	**38.31**	1.16	2.31	4.63	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J16004-MSD3 File ID: 1013519S.D

Sampled: Prepared: Analyzed: 10/23/12 14:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J16004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**32.25**	1.16	2.31	4.63	
117-81-7	Bis(2-ethylhexyl)phthalate	**38.41**	1.16	2.31	4.63	
206-44-0	Fluoranthene	**34.95**	1.16	2.31	4.63	
86-73-7	Fluorene	**29.90**	1.16	2.31	4.63	
118-74-1	Hexachlorobenzene	**33.38**	1.16	2.31	4.63	
87-68-3	Hexachlorobutadiene	**23.51**	1.16	2.31	4.63	
77-47-4	Hexachlorocyclopentadiene	**24.85**	1.16	4.63	9.26	
67-72-1	Hexachloroethane	**20.01**	1.16	2.31	4.63	
193-39-5	Indeno(1,2,3-cd)pyrene	**34.08**	1.16	2.31	4.63	
78-59-1	Isophorone	**29.10**	1.16	2.31	4.63	
90-12-0	1-Methylnaphthalene	**25.75**	1.16	2.31	4.63	
91-57-6	2-Methylnaphthalene	**25.32**	1.16	2.31	4.63	
95-48-7	2-Methylphenol	**40.28**	1.16	2.31	4.63	
108-39-4/106	3-Methylphenol/4-Methylphenol	**35.57**	1.16	2.31	4.63	
91-20-3	Naphthalene	**25.64**	1.16	2.31	4.63	
100-01-6	4-Nitroaniline	**35.77**	4.63	9.26	18.5	
99-09-2	3-Nitroaniline	**31.68**	4.63	9.26	18.5	
88-74-4	2-Nitroaniline	**34.22**	4.63	9.26	18.5	
98-95-3	Nitrobenzene	**27.17**	1.16	2.31	4.63	
100-02-7	4-Nitrophenol	**17.96**	4.63	9.26	18.5	J
88-75-5	2-Nitrophenol	**62.47**	1.16	2.31	4.63	X
86-30-6	N-Nitrosodiphenylamine	**29.35**	1.16	2.31	4.63	
621-64-7	N-Nitroso-di-n-propylamine	**29.45**	1.16	2.31	4.63	
87-86-5	Pentachlorophenol	**70.25**	4.63	9.26	18.5	
85-01-8	Phenanthrene	**33.26**	1.16	2.31	4.63	
108-95-2	Phenol	**15.72**	1.16	2.31	4.63	
129-00-0	Pyrene	**34.85**	1.16	2.31	4.63	
88-06-2	2,4,6-Trichlorophenol	**57.83**	1.16	2.31	4.63	
95-95-4	2,4,5-Trichlorophenol	**64.55**	1.16	2.31	4.63	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	39.86	86.1	50 - 110	
2-Fluorophenol	92.59	37.71	40.7	20 - 110	
Nitrobenzene-d5	46.30	40.09	86.6	40 - 110	
Phenol-d6	92.59	21.47	23.2	0 - 110	
Terphenyl-d14	46.30	47.75	103	50 - 135	
2,4,6-Tribromophenol	92.59	95.34	103	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J17004-BLK1 File ID: J17004B1.D

Sampled: Prepared: Analyzed: 10/23/12 16:23

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 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	50.0	100	UXQ
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
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	UX
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	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UXQ
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_065

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

Matrix: Laboratory ID: 2J17004-BLK1 File ID: J17004B1.D

Sampled: Prepared: Analyzed: 10/23/12 16:23

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UX
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	UQ
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	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.43	86.9	50 - 110	
2-Fluorophenol	100.0	33.28	33.3	20 - 110	
Nitrobenzene-d5	50.00	44.18	88.4	40 - 110	
Phenol-d6	100.0	22.41	22.4	0 - 110	
Terphenyl-d14	50.00	52.41	105	50 - 135	
2,4,6-Tribromophenol	100.0	76.12	76.1	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J17004-BS1 | File ID: J17004L1.D

Sampled: | Prepared: | Analyzed: 10/23/12 16:50

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J17004 | Sequence: 2J29819 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**28.06**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**30.81**	1.25	2.50	5.00	
98-86-2	Acetophenone	**32.23**	1.25	2.50	5.00	
120-12-7	Anthracene	**34.15**	1.25	2.50	5.00	
1912-24-9	Atrazine	**33.49**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**34.77**	1.25	2.50	5.00	
92-87-5	Benzidine	**15.99**	12.5	50.0	100	XJ
56-55-3	Benzo(a)anthracene	**33.98**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**35.20**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**36.58**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**34.00**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**31.30**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**31.91**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**34.40**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**38.18**	1.25	2.50	5.00	
105-60-2	Caprolactam	**8.109**	1.25	2.50	5.00	X
86-74-8	Carbazole	**36.14**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**58.21**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**31.55**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**34.83**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**32.48**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**31.08**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**26.77**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**45.86**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**30.73**	1.25	2.50	5.00	
218-01-9	Chrysene	**34.05**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**35.44**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**30.99**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**37.10**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**34.22**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**51.57**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**32.45**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**57.37**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**32.97**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**43.28**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**36.83**	8.33	25.0	50.0	XJ
121-14-2	2,4-Dinitrotoluene	**33.79**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**33.94**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**38.59**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J17004-BS1 | File ID: J17004L1.D

Sampled: | Prepared: | Analyzed: 10/23/12 16:50

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J17004 | Sequence: 2J29819 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**32.41**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**37.64**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**35.26**	1.25	2.50	5.00	
86-73-7	Fluorene	**30.98**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**33.15**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**23.88**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**24.14**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**21.27**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**34.37**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.24**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**26.43**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**25.82**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**47.42**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**41.56**	1.25	2.50	5.00	
91-20-3	Naphthalene	**27.19**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**36.39**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**33.99**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.50**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**30.09**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**12.23**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**53.93**	1.25	2.50	5.00	X
86-30-6	N-Nitrosodiphenylamine	**29.69**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**33.17**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**41.67**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**33.24**	1.25	2.50	5.00	
108-95-2	Phenol	**17.40**	1.25	2.50	5.00	
129-00-0	Pyrene	**34.53**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**41.05**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**48.90**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.37	84.7	50 - 110	
2-Fluorophenol	100.0	33.77	33.8	20 - 110	
Nitrobenzene-d5	50.00	43.43	86.9	40 - 110	
Phenol-d6	100.0	24.28	24.3	0 - 110	
Terphenyl-d14	50.00	47.06	94.1	50 - 135	
2,4,6-Tribromophenol	100.0	70.79	70.8	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_065

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

Matrix: | Laboratory ID: 2J17004-BSD1 | File ID: J17004L2.D

Sampled: | Prepared: | Analyzed: 10/23/12 17:18

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J17004 | Sequence: 2J29819 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**27.76**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**30.29**	1.25	2.50	5.00	
98-86-2	Acetophenone	**32.09**	1.25	2.50	5.00	
120-12-7	Anthracene	**34.57**	1.25	2.50	5.00	
1912-24-9	Atrazine	**33.19**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**34.69**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**35.00**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**35.93**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**34.95**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**35.02**	1.25	2.50	5.00	
65-85-0	Benzoic acid	**12.61**	12.5	50.0	100	J
207-08-9	Benzo(k)fluoranthene	**33.24**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**32.78**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**34.28**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**38.34**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.395**	1.25	2.50	5.00	X
86-74-8	Carbazole	**36.67**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**60.70**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**31.22**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**33.97**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**32.52**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**30.40**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**25.94**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**57.02**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**30.15**	1.25	2.50	5.00	
218-01-9	Chrysene	**34.27**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**35.25**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**30.79**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**37.04**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**33.20**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**61.63**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**32.54**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**58.05**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**32.90**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**74.38**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**68.46**	8.33	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	**34.31**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**34.07**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**39.22**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Matrix: Laboratory ID: 2J17004-BSD1 File ID: J17004L2.D

Sampled: Prepared: Analyzed: 10/23/12 17:18

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J17004 Sequence: 2J29819 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**32.77**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**38.65**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**35.93**	1.25	2.50	5.00	
86-73-7	Fluorene	**30.42**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**33.32**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**23.12**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**22.38**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**20.00**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**34.58**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.38**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**25.81**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**25.37**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**48.55**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**43.46**	1.25	2.50	5.00	
91-20-3	Naphthalene	**26.57**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**37.32**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**33.55**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.80**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**30.09**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**20.71**	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	**69.79**	1.25	2.50	5.00	X
86-30-6	N-Nitrosodiphenylamine	**29.90**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**32.65**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**71.28**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**34.08**	1.25	2.50	5.00	
108-95-2	Phenol	**19.44**	1.25	2.50	5.00	
129-00-0	Pyrene	**35.41**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**61.41**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**67.55**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.39	86.8	50 - 110	
2-Fluorophenol	100.0	48.31	48.3	20 - 110	
Nitrobenzene-d5	50.00	44.17	88.3	40 - 110	
Phenol-d6	100.0	28.20	28.2	0 - 110	
Terphenyl-d14	50.00	47.98	96.0	50 - 135	
2,4,6-Tribromophenol	100.0	98.36	98.4	40 - 125	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	09/11/12
Instrument ID:	MS-BNA3	Injection Time:	10:14
Sequence:	2I25803	Lab Sample ID:	2I25803-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	39.9	PASS
68	Less than 2% of 69	0.427	PASS
69	Less than 200% of 198	45	PASS
70	Less than 2% of 69	0.427	PASS
127	40 - 60% of 198	48.7	PASS
197	Less than 1% of 198	0.112	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.32	PASS
275	10 - 30% of 198	23.4	PASS
365	1 - 200% of 198	2.18	PASS
441	0.001 - 100% of 443	80	PASS
442	40 - 200% of 198	79.1	PASS
443	17 - 23% of 442	18.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	09/12/12
Instrument ID:	MS-BNA3	Injection Time:	15:25
Sequence:	2I25803	Lab Sample ID:	2I25803-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38.9	PASS
68	Less than 2% of 69	1.04	PASS
69	Less than 200% of 198	42.9	PASS
70	Less than 2% of 69	0.427	PASS
127	40 - 60% of 198	48.8	PASS
197	Less than 1% of 198	0.0543	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.99	PASS
275	10 - 30% of 198	22.3	PASS
365	1 - 200% of 198	2.57	PASS
441	0.001 - 100% of 443	68.9	PASS
442	40 - 200% of 198	78.2	PASS
443	17 - 23% of 442	20.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	10/17/12
Instrument ID:	MS-BNA3	Injection Time:	15:35
Sequence:	2J29213	Lab Sample ID:	2J29213-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37	PASS
68	Less than 2% of 69	0.242	PASS
69	Less than 200% of 198	41.4	PASS
70	Less than 2% of 69	0.822	PASS
127	40 - 60% of 198	47.4	PASS
197	Less than 1% of 198	0.032	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.3	PASS
275	10 - 30% of 198	24.6	PASS
365	1 - 200% of 198	2.75	PASS
441	0.001 - 100% of 443	73.8	PASS
442	40 - 200% of 198	80.8	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	10/19/12
Instrument ID:	MS-BNA3	Injection Time:	10:09
Sequence:	2J29404	Lab Sample ID:	2J29404-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.6	PASS
68	Less than 2% of 69	1.83	PASS
69	Less than 200% of 198	41	PASS
70	Less than 2% of 69	0.169	PASS
127	40 - 60% of 198	46.2	PASS
197	Less than 1% of 198	0.203	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.43	PASS
275	10 - 30% of 198	25.8	PASS
365	1 - 200% of 198	2.36	PASS
441	0.001 - 100% of 443	68.3	PASS
442	40 - 200% of 198	81.8	PASS
443	17 - 23% of 442	20.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	10/22/12
Instrument ID:	MS-BNA3	Injection Time:	14:00
Sequence:	2J29716	Lab Sample ID:	2J29716-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.4	PASS
68	Less than 2% of 69	0.851	PASS
69	Less than 200% of 198	42.6	PASS
70	Less than 2% of 69	0.494	PASS
127	40 - 60% of 198	46.7	PASS
197	Less than 1% of 198	0.531	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.73	PASS
275	10 - 30% of 198	24.5	PASS
365	1 - 200% of 198	2.51	PASS
441	0.001 - 100% of 443	70.9	PASS
442	40 - 200% of 198	86.3	PASS
443	17 - 23% of 442	21	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	10/23/12
Instrument ID:	MS-BNA3	Injection Time:	11:47
Sequence:	2J29819	Lab Sample ID:	2J29819-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38.6	PASS
68	Less than 2% of 69	0.331	PASS
69	Less than 200% of 198	41.9	PASS
70	Less than 2% of 69	0.654	PASS
127	40 - 60% of 198	48.3	PASS
197	Less than 1% of 198	0.0162	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.2	PASS
275	10 - 30% of 198	26.2	PASS
365	1 - 200% of 198	2.59	PASS
441	0.001 - 100% of 443	74.8	PASS
442	40 - 200% of 198	85.1	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	10/24/12
Instrument ID:	MS-BNA3	Injection Time:	11:37
Sequence:	2J30001	Lab Sample ID:	2J30001-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.9	PASS
68	Less than 2% of 69	1.49	PASS
69	Less than 200% of 198	41.1	PASS
70	Less than 2% of 69	1.05	PASS
127	40 - 60% of 198	47.3	PASS
197	Less than 1% of 198	0.649	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.89	PASS
275	10 - 30% of 198	25.1	PASS
365	1 - 200% of 198	2.08	PASS
441	0.001 - 100% of 443	70.7	PASS
442	40 - 200% of 198	84	PASS
443	17 - 23% of 442	19.1	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2I25803	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2I25803-TUN1	SEQ-TUN1.D	09/11/12 10:14
Cal Standard	2I25803-CAL1	SEQ-CAL1.D	09/11/12 10:38
Cal Standard	2I25803-CAL2	SEQ-CAL2.D	09/11/12 11:06
Cal Standard	2I25803-CAL3	SEQ-CAL3.D	09/11/12 11:34
Cal Standard	2I25803-CAL4	SEQ-CAL4.D	09/11/12 12:03
Cal Standard	2I25803-CAL5	SEQ-CAL5.D	09/11/12 12:31
Cal Standard	2I25803-CAL6	SEQ-CAL6.D	09/11/12 12:59
Cal Standard	2I25803-CAL7	SEQ-CAL7.D	09/11/12 13:27
Cal Standard	2I25803-CAL8	SEQ-CAL8.D	09/11/12 13:55
Cal Standard	2I25803-CAL9	SEQ-CAL9.D	09/11/12 14:23
Cal Standard	2I25803-CALA	SEQ-CALA.D	09/11/12 14:51
Cal Standard	2I25803-CALB	SEQ-CALB.D	09/11/12 15:20
Cal Standard	2I25803-CALC	SEQ-CALC.D	09/11/12 15:48
Cal Standard	2I25803-CALD	SEQ-CALD.D	09/11/12 16:16
Cal Standard	2I25803-CALE	SEQ-CALE.D	09/11/12 16:44
Cal Standard	2I25803-CALF	SEQ-CALF.D	09/11/12 17:11
Cal Standard	2I25803-CALG	SEQ-CALG.D	09/11/12 17:40
Initial Cal Check	2I25803-ICV1	SEQ-ICV1.D	09/11/12 18:08
Initial Cal Check	2I25803-ICV2	SEQ-ICV2.D	09/11/12 18:36
MS Tune	2I25803-TUN2	SEQ-TUN2.D	09/12/12 15:25
Initial Cal Check	2I25803-ICV3	SEQ-ICV3.D	09/12/12 15:49

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29213	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29213-TUN1	SEQ-TUN1.D	10/17/12 15:35
Calibration Check	2J29213-CCV1	SEQ-CCV1.D	10/17/12 15:59
Calibration Check	2J29213-CCV2	SEQ-CCV2.D	10/17/12 16:27
Blank	2J11028-BLK1	J11028B1.D	10/17/12 16:55
LCS	2J11028-BS1	J11028L1.D	10/17/12 17:23
LCS Dup	2J11028-BSD1	J11028L2.D	10/17/12 17:50

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29404	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29404-TUN1	SEQ-TUN1.D	10/19/12 10:09
Calibration Check	2J29404-CCV1	SEQ-CCV1.D	10/19/12 10:33
Calibration Check	2J29404-CCV2	SEQ-CCV2.D	10/19/12 11:01
GW0782	1210102-13	1010213.D	10/19/12 14:17
GW0783	1210102-15	1010215.D	10/19/12 14:45
GW0784	1210102-17	1010217.D	10/19/12 15:13
GW0785	1210102-19	1010219.D	10/19/12 15:41
GW0795	1210102-21	1010221.D	10/19/12 16:09
GW0796	1210102-23	1010223.D	10/19/12 16:37
GW0797	1210102-25	1010225.D	10/19/12 17:04
GW0798	1210102-27	1010227.D	10/19/12 17:32

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29716-TUN1	SEQ-TUN1.D	10/22/12 14:00
Calibration Check	2J29716-CCV1	SEQ-CCV1.D	10/22/12 14:24
Calibration Check	2J29716-CCV2	SEQ-CCV2.D	10/22/12 14:52
Blank	2J16004-BLK1	J16004B1.D	10/22/12 17:39
LCS	2J16004-BS1	J16004L1.D	10/22/12 18:07
GW0747	1210102-01	1010201.D	10/22/12 21:22
GW0753	1210102-03	1010203.D	10/22/12 21:49
GW0770	1210102-07	1010207.D	10/22/12 22:45
GW0771	1210102-09	1010209.D	10/22/12 23:13
GW0778	1210102-11	1010211.D	10/22/12 23:40
GW0793	1210135-05	1013505.D	10/23/12 00:08
GW0793	2J16004-MS1	1013505M.D	10/23/12 00:36
GW0793	2J16004-MSD1	1013505S.D	10/23/12 01:04
GW0794	1210135-07	1013507.D	10/23/12 01:31

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29819	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29819-TUN1	SEQ-TUN1.D	10/23/12 11:47
Calibration Check	2J29819-CCV1	SEQ-CCV1.D	10/23/12 12:12
Calibration Check	2J29819-CCV2	SEQ-CCV2.D	10/23/12 12:40
GW0769	1210102-05	1010205.D	10/23/12 13:08
GW0869	1210135-19	1013519.D	10/23/12 13:36
GW0869	2J16004-MS3	1013519M.D	10/23/12 14:04
GW0869	2J16004-MSD3	1013519S.D	10/23/12 14:31
Blank	2J17004-BLK1	J17004B1.D	10/23/12 16:23
LCS	2J17004-BS1	J17004L1.D	10/23/12 16:50
LCS Dup	2J17004-BSD1	J17004L2.D	10/23/12 17:18
GW0767	1210135-01	1013501.D	10/23/12 22:53
GW0768	1210135-03	1013503.D	10/23/12 23:21

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30001	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J30001-TUN1	SEQ-TUN1.D	10/24/12 11:37
Calibration Check	2J30001-CCV1	SEQ-CCV1.D	10/24/12 12:01
Calibration Check	2J30001-CCV2	SEQ-CCV2.D	10/24/12 12:29
GW0845	1210135-11	1013511.D	10/24/12 12:57
GW0846	1210135-13	1013513.D	10/24/12 13:25
GW0847	1210135-15	1013515.D	10/24/12 13:53
GW0868	1210135-17	1013517.D	10/24/12 14:21
GW0870	1210135-21	1013521.D	10/24/12 14:48
GW0844	1210135-09	1013509.D	10/24/12 23:09

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29213	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29213-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 10/17/12 15:59			
1,4-Dichlorobenzene-d4	712225	5.539	692783	5.592	103	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	2542911	7.215	2409624	7.268	106	50 - 200	-0.0530	+/-0.50	
Acenaphthene-d10	1604889	9.451	1479598	9.504	108	50 - 200	-0.0530	+/-0.50	
Phenanthrene-d10	2524696	11.252	2454205	11.305	103	50 - 200	-0.0530	+/-0.50	
Chrysene-d12	2601238	14.554	2419622	14.71	108	50 - 200	-0.1560	+/-0.50	
Perylene-d12	2767405	16.665	2394332	16.987	116	50 - 200	-0.3220	+/-0.50	
Calibration Check (2J29213-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 10/17/12 16:27			
1,4-Dichlorobenzene-d4	724169	5.539	712225	5.539	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2535275	7.205	2542911	7.215	100	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1586556	9.451	1604889	9.451	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2513811	11.252	2524696	11.252	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2596442	14.554	2601238	14.554	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	2792953	16.655	2767405	16.665	101	50 - 200	-0.0100	+/-0.50	
Blank (2J11028-BLK1)			Lab File ID: J11028B1.D			Analyzed: 10/17/12 16:55			
1,4-Dichlorobenzene-d4	640823	5.54	712225	5.539	90	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2238796	7.206	2542911	7.215	88	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1434395	9.452	1604889	9.451	89	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2268263	11.253	2524696	11.252	90	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2332348	14.555	2601238	14.554	90	50 - 200	0.0010	+/-0.50	
Perylene-d12	2417163	16.656	2767405	16.665	87	50 - 200	-0.0090	+/-0.50	
LCS (2J11028-BS1)			Lab File ID: J11028L1.D			Analyzed: 10/17/12 17:23			
1,4-Dichlorobenzene-d4	620916	5.539	712225	5.539	87	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2229176	7.216	2542911	7.215	88	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1381937	9.451	1604889	9.451	86	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2209371	11.252	2524696	11.252	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2249634	14.554	2601238	14.554	86	50 - 200	0.0000	+/-0.50	
Perylene-d12	2363686	16.655	2767405	16.665	85	50 - 200	-0.0100	+/-0.50	
LCS Dup (2J11028-BSD1)			Lab File ID: J11028L2.D			Analyzed: 10/17/12 17:50			
1,4-Dichlorobenzene-d4	657678	5.542	712225	5.539	92	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2322761	7.208	2542911	7.215	91	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1469957	9.454	1604889	9.451	92	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	2328146	11.255	2524696	11.252	92	50 - 200	0.0030	+/-0.50	
Chrysene-d12	2356095	14.557	2601238	14.554	91	50 - 200	0.0030	+/-0.50	
Perylene-d12	2495242	16.658	2767405	16.665	90	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29404	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29404-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 10/19/12 10:33			
1,4-Dichlorobenzene-d4	731487	5.542	692783	5.592	106	50 - 200	-0.0500	+/-0.50	
Naphthalene-d8	2592675	7.208	2409624	7.268	108	50 - 200	-0.0600	+/-0.50	
Acenaphthene-d10	1639195	9.454	1479598	9.504	111	50 - 200	-0.0500	+/-0.50	
Phenanthrene-d10	2618237	11.255	2454205	11.305	107	50 - 200	-0.0500	+/-0.50	
Chrysene-d12	2689285	14.557	2419622	14.71	111	50 - 200	-0.1530	+/-0.50	
Perylene-d12	2822615	16.658	2394332	16.987	118	50 - 200	-0.3290	+/-0.50	
Calibration Check (2J29404-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 10/19/12 11:01			
1,4-Dichlorobenzene-d4	711856	5.541	731487	5.542	97	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2510493	7.208	2592675	7.208	97	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1650471	9.454	1639195	9.454	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2565497	11.255	2618237	11.255	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2618795	14.556	2689285	14.557	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2761208	16.657	2822615	16.658	98	50 - 200	-0.0010	+/-0.50	
GW0782 (1210102-13)			Lab File ID: 1010213.D			Analyzed: 10/19/12 14:17			
1,4-Dichlorobenzene-d4	615283	5.54	731487	5.542	84	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2241252	7.206	2592675	7.208	86	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1422192	9.452	1639195	9.454	87	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2268677	11.253	2618237	11.255	87	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2332531	14.555	2689285	14.557	87	50 - 200	-0.0020	+/-0.50	
Perylene-d12	2486367	16.656	2822615	16.658	88	50 - 200	-0.0020	+/-0.50	
GW0783 (1210102-15)			Lab File ID: 1010215.D			Analyzed: 10/19/12 14:45			
1,4-Dichlorobenzene-d4	608751	5.539	731487	5.542	83	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2180984	7.205	2592675	7.208	84	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1389027	9.451	1639195	9.454	85	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2203319	11.252	2618237	11.255	84	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2251675	14.554	2689285	14.557	84	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2383507	16.655	2822615	16.658	84	50 - 200	-0.0030	+/-0.50	
GW0784 (1210102-17)			Lab File ID: 1010217.D			Analyzed: 10/19/12 15:13			
1,4-Dichlorobenzene-d4	664608	5.539	731487	5.542	91	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2395599	7.206	2592675	7.208	92	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1543275	9.451	1639195	9.454	94	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2361964	11.252	2618237	11.255	90	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2521582	14.554	2689285	14.557	94	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2654908	16.655	2822615	16.658	94	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29404	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0785 (1210102-19)			Lab File ID: 1010219.D			Analyzed: 10/19/12 15:41			
1,4-Dichlorobenzene-d4	660528	5.539	731487	5.542	90	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2373972	7.205	2592675	7.208	92	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1518946	9.451	1639195	9.454	93	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2381826	11.252	2618237	11.255	91	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2457666	14.554	2689285	14.557	91	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2587628	16.655	2822615	16.658	92	50 - 200	-0.0030	+/-0.50	
GW0795 (1210102-21)			Lab File ID: 1010221.D			Analyzed: 10/19/12 16:09			
1,4-Dichlorobenzene-d4	669408	5.54	731487	5.542	92	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2418076	7.207	2592675	7.208	93	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1555422	9.453	1639195	9.454	95	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2450094	11.254	2618237	11.255	94	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2545216	14.555	2689285	14.557	95	50 - 200	-0.0020	+/-0.50	
Perylene-d12	2625137	16.657	2822615	16.658	93	50 - 200	-0.0010	+/-0.50	
GW0796 (1210102-23)			Lab File ID: 1010223.D			Analyzed: 10/19/12 16:37			
1,4-Dichlorobenzene-d4	683069	5.541	731487	5.542	93	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2479095	7.208	2592675	7.208	96	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1568686	9.454	1639195	9.454	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2427687	11.255	2618237	11.255	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2555894	14.556	2689285	14.557	95	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2698454	16.657	2822615	16.658	96	50 - 200	-0.0010	+/-0.50	
GW0797 (1210102-25)			Lab File ID: 1010225.D			Analyzed: 10/19/12 17:04			
1,4-Dichlorobenzene-d4	637043	5.539	731487	5.542	87	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2288265	7.206	2592675	7.208	88	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1455932	9.452	1639195	9.454	89	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2257279	11.253	2618237	11.255	86	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2349209	14.554	2689285	14.557	87	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2472574	16.656	2822615	16.658	88	50 - 200	-0.0020	+/-0.50	
GW0798 (1210102-27)			Lab File ID: 1010227.D			Analyzed: 10/19/12 17:32			
1,4-Dichlorobenzene-d4	637572	5.531	731487	5.542	87	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	2331089	7.208	2592675	7.208	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1509293	9.454	1639195	9.454	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2368027	11.244	2618237	11.255	90	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	2439587	14.546	2689285	14.557	91	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2555233	16.657	2822615	16.658	91	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29716-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 10/22/12 14:24			
1,4-Dichlorobenzene-d4	647117	5.539	692783	5.592	93	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	2305756	7.205	2409624	7.268	96	50 - 200	-0.0630	+/-0.50	
Acenaphthene-d10	1471953	9.451	1479598	9.504	99	50 - 200	-0.0530	+/-0.50	
Phenanthrene-d10	2337955	11.252	2454205	11.305	95	50 - 200	-0.0530	+/-0.50	
Chrysene-d12	2390651	14.554	2419622	14.71	99	50 - 200	-0.1560	+/-0.50	
Perylene-d12	2518573	16.655	2394332	16.987	105	50 - 200	-0.3320	+/-0.50	
Calibration Check (2J29716-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 10/22/12 14:52			
1,4-Dichlorobenzene-d4	673185	5.532	647117	5.539	104	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2431699	7.209	2305756	7.205	105	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1569300	9.444	1471953	9.451	107	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2416483	11.245	2337955	11.252	103	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2484131	14.547	2390651	14.554	104	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2631889	16.648	2518573	16.655	104	50 - 200	-0.0070	+/-0.50	
Blank (2J16004-BLK1)			Lab File ID: J16004B1.D			Analyzed: 10/22/12 17:39			
1,4-Dichlorobenzene-d4	675716	5.539	647117	5.539	104	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2410765	7.206	2305756	7.205	105	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1553040	9.452	1471953	9.451	106	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2421020	11.252	2337955	11.252	104	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2495777	14.544	2390651	14.554	104	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2514421	16.655	2518573	16.655	100	50 - 200	0.0000	+/-0.50	
LCS (2J16004-BS1)			Lab File ID: J16004L1.D			Analyzed: 10/22/12 18:07			
1,4-Dichlorobenzene-d4	675648	5.54	647117	5.539	104	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2399455	7.206	2305756	7.205	104	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1530382	9.452	1471953	9.451	104	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2442289	11.253	2337955	11.252	104	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2464749	14.555	2390651	14.554	103	50 - 200	0.0010	+/-0.50	
Perylene-d12	2534455	16.656	2518573	16.655	101	50 - 200	0.0010	+/-0.50	
GW0747 (1210102-01)			Lab File ID: 1010201.D			Analyzed: 10/22/12 21:22			
1,4-Dichlorobenzene-d4	626449	5.531	647117	5.539	97	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2283040	7.208	2305756	7.205	99	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1450694	9.443	1471953	9.451	99	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2288943	11.244	2337955	11.252	98	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2323968	14.546	2390651	14.554	97	50 - 200	-0.0080	+/-0.50	
Perylene-d12	2413040	16.647	2518573	16.655	96	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0753 (1210102-03)			Lab File ID: 1010203.D			Analyzed: 10/22/12 21:49			
1,4-Dichlorobenzene-d4	659392	5.54	647117	5.539	102	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2370428	7.207	2305756	7.205	103	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1507076	9.442	1471953	9.451	102	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2344760	11.243	2337955	11.252	100	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2397725	14.545	2390651	14.554	100	50 - 200	-0.0090	+/-0.50	
Perylene-d12	2464449	16.656	2518573	16.655	98	50 - 200	0.0010	+/-0.50	
GW0770 (1210102-07)			Lab File ID: 1010207.D			Analyzed: 10/22/12 22:45			
1,4-Dichlorobenzene-d4	640103	5.539	647117	5.539	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2302213	7.205	2305756	7.205	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1448623	9.451	1471953	9.451	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2285706	11.252	2337955	11.252	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2414262	14.544	2390651	14.554	101	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2524431	16.655	2518573	16.655	100	50 - 200	0.0000	+/-0.50	
GW0771 (1210102-09)			Lab File ID: 1010209.D			Analyzed: 10/22/12 23:13			
1,4-Dichlorobenzene-d4	654549	5.54	647117	5.539	101	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2361181	7.206	2305756	7.205	102	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1543462	9.452	1471953	9.451	105	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2345566	11.243	2337955	11.252	100	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2462012	14.544	2390651	14.554	103	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2494464	16.656	2518573	16.655	99	50 - 200	0.0010	+/-0.50	
GW0778 (1210102-11)			Lab File ID: 1010211.D			Analyzed: 10/22/12 23:40			
1,4-Dichlorobenzene-d4	655277	5.533	647117	5.539	101	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2372983	7.209	2305756	7.205	103	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1533843	9.445	1471953	9.451	104	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2338192	11.246	2337955	11.252	100	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2434591	14.548	2390651	14.554	102	50 - 200	-0.0060	+/-0.50	
Perylene-d12	2530388	16.649	2518573	16.655	100	50 - 200	-0.0060	+/-0.50	
GW0793 (1210135-05)			Lab File ID: 1013505.D			Analyzed: 10/23/12 00:08			
1,4-Dichlorobenzene-d4	667775	5.539	647117	5.539	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2367912	7.205	2305756	7.205	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1533235	9.451	1471953	9.451	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2381847	11.252	2337955	11.252	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2436130	14.543	2390651	14.554	102	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2534248	16.655	2518573	16.655	101	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29716	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2J16004-MS1)			Lab File ID: 1013505M.D			Analyzed: 10/23/12 00:36			
1,4-Dichlorobenzene-d4	649569	5.54	647117	5.539	100	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2311050	7.207	2305756	7.205	100	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1520337	9.453	1471953	9.451	103	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	2365417	11.254	2337955	11.252	101	50 - 200	0.0020	+/-0.50	
Chrysene-d12	2383923	14.555	2390651	14.554	100	50 - 200	0.0010	+/-0.50	
Perylene-d12	2492033	16.656	2518573	16.655	99	50 - 200	0.0010	+/-0.50	
Matrix Spike Dup (2J16004-MSD1)			Lab File ID: 1013505S.D			Analyzed: 10/23/12 01:04			
1,4-Dichlorobenzene-d4	684994	5.539	647117	5.539	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2452607	7.205	2305756	7.205	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1537308	9.451	1471953	9.451	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2419155	11.252	2337955	11.252	103	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2444934	14.554	2390651	14.554	102	50 - 200	0.0000	+/-0.50	
Perylene-d12	2521516	16.655	2518573	16.655	100	50 - 200	0.0000	+/-0.50	
GW0794 (1210135-07)			Lab File ID: 1013507.D			Analyzed: 10/23/12 01:31			
1,4-Dichlorobenzene-d4	649235	5.532	647117	5.539	100	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2325594	7.208	2305756	7.205	101	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1480929	9.444	1471953	9.451	101	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2322131	11.245	2337955	11.252	99	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2357935	14.547	2390651	14.554	99	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2479464	16.648	2518573	16.655	98	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29819	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29819-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 10/23/12 12:12			
1,4-Dichlorobenzene-d4	664080	5.54	692783	5.592	96	50 - 200	-0.0520	+/-0.50	
Naphthalene-d8	2341776	7.206	2409624	7.268	97	50 - 200	-0.0620	+/-0.50	
Acenaphthene-d10	1500709	9.452	1479598	9.504	101	50 - 200	-0.0520	+/-0.50	
Phenanthrene-d10	2341852	11.253	2454205	11.305	95	50 - 200	-0.0520	+/-0.50	
Chrysene-d12	2382741	14.555	2419622	14.71	98	50 - 200	-0.1550	+/-0.50	
Perylene-d12	2510526	16.656	2394332	16.987	105	50 - 200	-0.3310	+/-0.50	
Calibration Check (2J29819-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 10/23/12 12:40			
1,4-Dichlorobenzene-d4	697074	5.539	664080	5.54	105	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2433180	7.206	2341776	7.206	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1554222	9.452	1500709	9.452	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2447203	11.242	2341852	11.253	104	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	2500171	14.544	2382741	14.555	105	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2586596	16.655	2510526	16.656	103	50 - 200	-0.0010	+/-0.50	
GW0769 (1210102-05)			Lab File ID: 1010205.D			Analyzed: 10/23/12 13:08			
1,4-Dichlorobenzene-d4	666615	5.539	664080	5.54	100	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2318122	7.205	2341776	7.206	99	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1496087	9.451	1500709	9.452	100	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2340858	11.252	2341852	11.253	100	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2459540	14.543	2382741	14.555	103	50 - 200	-0.0120	+/-0.50	
Perylene-d12	2548864	16.655	2510526	16.656	102	50 - 200	-0.0010	+/-0.50	
GW0869 (1210135-19)			Lab File ID: 1013519.D			Analyzed: 10/23/12 13:36			
1,4-Dichlorobenzene-d4	659432	5.539	664080	5.54	99	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2357591	7.206	2341776	7.206	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1519577	9.452	1500709	9.452	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2361084	11.242	2341852	11.253	101	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	2421221	14.544	2382741	14.555	102	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2522272	16.655	2510526	16.656	100	50 - 200	-0.0010	+/-0.50	
Matrix Spike (2J16004-MS3)			Lab File ID: 1013519M.D			Analyzed: 10/23/12 14:04			
1,4-Dichlorobenzene-d4	629482	5.531	664080	5.54	95	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2244438	7.208	2341776	7.206	96	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1428810	9.444	1500709	9.452	95	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2241235	11.245	2341852	11.253	96	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2286424	14.546	2382741	14.555	96	50 - 200	-0.0090	+/-0.50	
Perylene-d12	2374760	16.648	2510526	16.656	95	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29819	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2J16004-MSD3)			Lab File ID: 1013519S.D			Analyzed: 10/23/12 14:31			
1,4-Dichlorobenzene-d4	714955	5.539	664080	5.54	108	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2500899	7.205	2341776	7.206	107	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1580246	9.451	1500709	9.452	105	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2484654	11.252	2341852	11.253	106	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2517777	14.554	2382741	14.555	106	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2619811	16.655	2510526	16.656	104	50 - 200	-0.0010	+/-0.50	
Blank (2J17004-BLK1)			Lab File ID: J17004B1.D			Analyzed: 10/23/12 16:23			
1,4-Dichlorobenzene-d4	636377	5.533	664080	5.54	96	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2301231	7.209	2341776	7.206	98	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1476028	9.445	1500709	9.452	98	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2281281	11.246	2341852	11.253	97	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2329747	14.548	2382741	14.555	98	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2441242	16.649	2510526	16.656	97	50 - 200	-0.0070	+/-0.50	
LCS (2J17004-BS1)			Lab File ID: J17004L1.D			Analyzed: 10/23/12 16:50			
1,4-Dichlorobenzene-d4	670964	5.532	664080	5.54	101	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2384743	7.209	2341776	7.206	102	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1520016	9.444	1500709	9.452	101	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2417944	11.245	2341852	11.253	103	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2454961	14.547	2382741	14.555	103	50 - 200	-0.0080	+/-0.50	
Perylene-d12	2515650	16.648	2510526	16.656	100	50 - 200	-0.0080	+/-0.50	
LCS Dup (2J17004-BSD1)			Lab File ID: J17004L2.D			Analyzed: 10/23/12 17:18			
1,4-Dichlorobenzene-d4	671090	5.529	664080	5.54	101	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	2355651	7.206	2341776	7.206	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1504129	9.452	1500709	9.452	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2380710	11.253	2341852	11.253	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2432519	14.555	2382741	14.555	102	50 - 200	0.0000	+/-0.50	
Perylene-d12	2494866	16.656	2510526	16.656	99	50 - 200	0.0000	+/-0.50	
GW0767 (1210135-01)			Lab File ID: 1013501.D			Analyzed: 10/23/12 22:53			
1,4-Dichlorobenzene-d4	698110	5.531	664080	5.54	105	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2443510	7.208	2341776	7.206	104	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1560435	9.443	1500709	9.452	104	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2368066	11.244	2341852	11.253	101	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2416071	14.546	2382741	14.555	101	50 - 200	-0.0090	+/-0.50	
Perylene-d12	2531358	16.647	2510526	16.656	101	50 - 200	-0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29819	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0768 (1210135-03)			Lab File ID: 1013503.D			Analyzed: 10/23/12 23:21			
1,4-Dichlorobenzene-d4	657777	5.54	664080	5.54	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2339806	7.206	2341776	7.206	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1512636	9.452	1500709	9.452	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2391534	11.242	2341852	11.253	102	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	2426109	14.544	2382741	14.555	102	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2527468	16.645	2510526	16.656	101	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30001	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J30001-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 10/24/12 12:01			
1,4-Dichlorobenzene-d4	655662	5.539	692783	5.592	95	50 - 200	-0.0530	+/-0.50	
Naphthalene-d8	2365929	7.205	2409624	7.268	98	50 - 200	-0.0630	+/-0.50	
Acenaphthene-d10	1478618	9.451	1479598	9.504	100	50 - 200	-0.0530	+/-0.50	
Phenanthrene-d10	2348574	11.252	2454205	11.305	96	50 - 200	-0.0530	+/-0.50	
Chrysene-d12	2356444	14.554	2419622	14.71	97	50 - 200	-0.1560	+/-0.50	
Perylene-d12	2460943	16.655	2394332	16.987	103	50 - 200	-0.3320	+/-0.50	
Calibration Check (2J30001-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 10/24/12 12:29			
1,4-Dichlorobenzene-d4	645412	5.529	655662	5.539	98	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2281755	7.206	2365929	7.205	96	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1436457	9.452	1478618	9.451	97	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2262071	11.242	2348574	11.252	96	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	2340774	14.544	2356444	14.554	99	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2357635	16.645	2460943	16.655	96	50 - 200	-0.0100	+/-0.50	
GW0845 (1210135-11)			Lab File ID: 1013511.D			Analyzed: 10/24/12 12:57			
1,4-Dichlorobenzene-d4	653190	5.529	655662	5.539	100	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2352700	7.206	2365929	7.205	99	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1494517	9.452	1478618	9.451	101	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2332827	11.243	2348574	11.252	99	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2407133	14.544	2356444	14.554	102	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2492371	16.646	2460943	16.655	101	50 - 200	-0.0090	+/-0.50	
GW0846 (1210135-13)			Lab File ID: 1013513.D			Analyzed: 10/24/12 13:25			
1,4-Dichlorobenzene-d4	628045	5.53	655662	5.539	96	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2278355	7.206	2365929	7.205	96	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1439301	9.442	1478618	9.451	97	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2267082	11.243	2348574	11.252	97	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2297081	14.545	2356444	14.554	97	50 - 200	-0.0090	+/-0.50	
Perylene-d12	2374924	16.646	2460943	16.655	97	50 - 200	-0.0090	+/-0.50	
GW0847 (1210135-15)			Lab File ID: 1013515.D			Analyzed: 10/24/12 13:53			
1,4-Dichlorobenzene-d4	673306	5.529	655662	5.539	103	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2396593	7.205	2365929	7.205	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1548032	9.451	1478618	9.451	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2383726	11.242	2348574	11.252	101	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	2451081	14.544	2356444	14.554	104	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2518465	16.655	2460943	16.655	102	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30001	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0868 (1210135-17)			Lab File ID: 1013517.D			Analyzed: 10/24/12 14:21			
1,4-Dichlorobenzene-d4	606803	5.53	655662	5.539	93	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2208678	7.206	2365929	7.205	93	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1395855	9.442	1478618	9.451	94	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2208168	11.243	2348574	11.252	94	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	2207202	14.545	2356444	14.554	94	50 - 200	-0.0090	+/-0.50	
Perylene-d12	2312689	16.646	2460943	16.655	94	50 - 200	-0.0090	+/-0.50	
GW0870 (1210135-21)			Lab File ID: 1013521.D			Analyzed: 10/24/12 14:48			
1,4-Dichlorobenzene-d4	658859	5.532	655662	5.539	100	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2361981	7.209	2365929	7.205	100	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1492261	9.444	1478618	9.451	101	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2285350	11.245	2348574	11.252	97	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2334367	14.547	2356444	14.554	99	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2444121	16.648	2460943	16.655	99	50 - 200	-0.0070	+/-0.50	
GW0844 (1210135-09)			Lab File ID: 1013509.D			Analyzed: 10/24/12 23:09			
1,4-Dichlorobenzene-d4	643606	5.532	655662	5.539	98	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2356209	7.208	2365929	7.205	100	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1519141	9.444	1478618	9.451	103	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2286844	11.245	2348574	11.252	97	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2398515	14.547	2356444	14.554	102	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2450463	16.648	2460943	16.655	100	50 - 200	-0.0070	+/-0.50	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

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	1.226402	10	1.172004	20	1.216724	40	1.106133	50	1.105635	60	1.066451
Acenaphthylene	5	1.882626	10	1.825223	20	1.853268	40	1.686654	50	1.630586	60	1.58258
Acetophenone												
Aniline	5	2.075085	10	2.083071	20	2.115921	40	2.012055	50	1.981178	60	1.922491
Anthracene	5	1.190117	10	1.216677	20	1.210592	40	1.133693	50	1.074923	60	1.027613
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.07808	10	1.158464	20	1.187972	40	1.125607	50	1.111216	60	1.080801
Benzo(a)pyrene	5	0.8969984	10	0.988024	20	1.053969	40	1.082485	50	1.050188	60	1.047536
Benzo(b)fluoranthene	5	0.9192774	10	0.9995984	20	1.027394	40	1.163507	50	1.151156	60	1.102624
Benzo(g,h,i)perylene	5	0.8810196	10	0.9354534	20	1.023945	40	1.041762	50	1.031788	60	1.025219
Benzoic acid	5	0.1800138	10	0.1971305	20	0.2320922	40	0.2667048	50	0.3038777	60	0.2934733
Benzo(k)fluoranthene	5	1.385345	10	1.389508	20	1.50509	40	1.294027	50	1.247302	60	1.255501
Benzyl alcohol	5	0.7723651	10	0.8400763	20	0.84085	40	0.8585047	50	0.855408	60	0.8444593
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2285879	10	0.242289	20	0.2441512	40	0.2392219	50	0.2372267	60	0.2395644
Butylbenzylphthalate	5	0.4630096	10	0.4944857	20	0.5607301	40	0.557858	50	0.5631426	60	0.5528675
Caprolactam												
Carbazole	5	1.067151	10	1.166965	20	1.142299	40	1.080385	50	1.01809	60	0.9924129
4-Chloro-3-methylphenol	5	0.2949249	10	0.3240161	20	0.3402999	40	0.3358677	50	0.3333448	60	0.3279835
4-Chloroaniline	5	0.437418	10	0.4487067	20	0.4701531	40	0.4455991	50	0.4474384	60	0.4368809
Bis(2-chloroethoxy)methane	5	0.4529439	10	0.460763	20	0.4579347	40	0.437325	50	0.43609	60	0.4299759
Bis(2-chloroethyl)ether	5	1.311057	10	1.320356	20	1.353769	40	1.299644	50	1.303123	60	1.255375
2,2'-Oxybis-1-chloropropane	5	1.751597	10	1.7475	20	1.739639	40	1.678201	50	1.686332	60	1.618641
2-Chloronaphthalene	5	1.195427	10	1.175982	20	1.194056	40	1.110827	50	1.115289	60	1.070192
2-Chlorophenol	5	1.202517	10	1.275122	20	1.326919	40	1.300237	50	1.289146	60	1.268001
4-Chlorophenyl phenyl ether	5	0.6742086	10	0.6954678	20	0.6890185	40	0.6402671	50	0.6432798	60	0.6252312
Chrysene	5	1.169698	10	1.134234	20	1.187301	40	1.098305	50	1.054946	60	1.023574
Dibenz(a,h)anthracene	5	0.7929059	10	0.9127398	20	0.9778044	40	1.040796	50	1.012641	60	1.013459
Dibenzofuran	5	1.703833	10	1.693413	20	1.704482	40	1.540782	50	1.529322	60	1.472516

INITIAL CALIBRATION DATA

SW8270D

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2261001
Instrument: MS-BNA3
Matrix: Water
Calibration Dates: 9/11/12 10:38 9/11/12 17:40

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	1.16861	10	1.255953	20	1.283272	40	1.181135	50	1.106647	60	1.06418
1,4-Dichlorobenzene	5	1.531421	10	1.56121	20	1.527423	40	1.451014	50	1.445896	60	1.432695
1,3-Dichlorobenzene	5	1.475221	10	1.490131	20	1.527514	40	1.450766	50	1.468528	60	1.394971
1,2-Dichlorobenzene	5	1.455679	10	1.443407	20	1.456504	40	1.4098	50	1.385694	60	1.338072
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2847428	10	0.3263219	20	0.3328921	40	0.3242484	50	0.3321999	60	0.3215921
Diethylphthalate	5	1.323041	10	1.286795	20	1.368087	40	1.251514	50	1.243205	60	1.211569
2,4-Dimethylphenol	5	0.3723077	10	0.3922829	20	0.4013375	40	0.390409	50	0.388078	60	0.3762622
Dimethyl phthalate	5	1.373422	10	1.353026	20	1.386701	40	1.27275	50	1.233596	60	1.187798
4,6-Dinitro-2-methylphenol	5	7.614394E-02	10	0.1096655	20	0.130206	40	0.1508675	50	0.1529725	60	0.1565992
2,4-Dinitrophenol	5	7.088052E-02	10	0.1093294	20	0.1395075	40	0.1679181	50	0.1812304	60	0.190222
2,4-Dinitrotoluene	5	0.3531728	10	0.3912608	20	0.43451	40	0.4257123	50	0.4261383	60	0.426781
2,6-Dinitrotoluene	5	0.2714151	10	0.2923165	20	0.3163528	40	0.3062322	50	0.3212079	60	0.3121858
Di-n-octylphthalate	5	0.8771769	10	1.020225	20	1.123468	40	1.220057	50	1.208407	60	1.209285
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.8301083	10	0.867185	20	0.861467	40	0.8127303	50	0.7719215	60	0.7712792
Bis(2-ethylhexyl)phthalate	5	0.5881362	10	0.6483224	20	0.7324606	40	0.7333481	50	0.7419646	60	0.7344114
Fluoranthene	5	1.23635	10	1.317053	20	1.322223	40	1.210618	50	1.137281	60	1.112443
Fluorene	5	1.465575	10	1.402744	20	1.471988	40	1.327424	50	1.326116	60	1.285392
2-Fluorobiphenyl	5	1.406801	10	1.339106	20	1.373728	40	1.274645	50	1.266637	60	1.228683
2-Fluorophenol	10	1.159714	20	1.147427	40	1.17776	80	1.150615	100	1.131493	120	1.125717
Hexachlorobenzene	5	0.2463841	10	0.2654048	20	0.2691727	40	0.260909	50	0.2592312	60	0.2550784
Hexachlorobutadiene	5	0.2055813	10	0.2041694	20	0.2054767	40	0.2018028	50	0.2080746	60	0.2058022
Hexachlorocyclopentadiene	5	0.2916181	10	0.3162971	20	0.3534771	40	0.3570826	50	0.3593493	60	0.3660123
Hexachloroethane	5	0.6211759	10	0.6184263	20	0.6267446	40	0.6115714	50	0.6020682	60	0.6042834
Indeno(1,2,3-cd)pyrene	5	0.9842869	10	1.100186	20	1.231231	40	1.249436	50	1.252622	60	1.241693
Isophorone	5	0.7053235	10	0.7342949	20	0.7372863	40	0.7150188	50	0.700254	60	0.6863517
1-Methylnaphthalene	5	0.6263254	10	0.6219691	20	0.6167648	40	0.6025289	50	0.5932049	60	0.5754876
2-Methylnaphthalene	5	0.6487649	10	0.6439735	20	0.6616897	40	0.619805	50	0.6168634	60	0.5906787
2-Methylphenol	5	1.13215	10	1.166193	20	1.214549	40	1.183468	50	1.190711	60	1.14973

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12_10:38 9/11/12_17:40

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	1.213749	10	1.204609	20	1.246534	40	1.24349	50	1.260916	60	1.207785
4-Methylphenol	5	1.213749	10	1.204609	20	1.246534	40	1.24349	50	1.260916	60	1.207785
3-Methylphenol/4-Methylphenol	5	1.213749	10	1.204609	20	1.246534	40	1.24349	50	1.260916	60	1.207785
Naphthalene	5	1.131168	10	1.115217	20	1.097102	40	1.018	50	0.9838111	60	0.9336806
4-Nitroaniline	5	0.310375	10	0.2880078	20	0.3319512	40	0.3278091	50	0.3394978	60	0.3319657
3-Nitroaniline	5	0.3061045	10	0.3165566	20	0.3311253	40	0.3337432	50	0.3324556	60	0.333826
2-Nitroaniline	5	0.3122476	10	0.31289	20	0.3414956	40	0.3500366	50	0.3516678	60	0.3465091
Nitrobenzene	5	0.4067955	10	0.405922	20	0.4226794	40	0.4097124	50	0.4155971	60	0.4022004
Nitrobenzene-d5	5	0.3901635	10	0.4008388	20	0.4181021	40	0.4098124	50	0.4068753	60	0.4013554
4-Nitrophenol	5	0.2205213	10	0.2238418	20	0.2704735	40	0.2810258	50	0.2788603	60	0.2746765
2-Nitrophenol	5	0.1572246	10	0.170622	20	0.1900949	40	0.1941729	50	0.1979488	60	0.1972528
N-Nitrosodimethylamine	5	0.6561451	10	0.6489775	20	0.6975004	40	0.6585053	50	0.6588495	60	0.6399517
N-Nitrosodiphenylamine	5	0.7117719	10	0.7279842	20	0.7319408	40	0.6857475	50	0.6689627	60	0.6710496
N-Nitroso-di-n-propylamine	5	1.013651	10	1.014837	20	1.036074	40	0.9774363	50	0.9701911	60	0.9510779
Pentachlorophenol	5	0.1242903	10	0.1472987	20	0.1675192	40	0.1807789	50	0.1772911	60	0.1753101
Phenanthrene	5	1.243048	10	1.256443	20	1.204927	40	1.111894	50	1.046238	60	1.020124
Phenol	5	1.788617	10	1.724966	20	1.754811	40	1.756593	50	1.70602	60	1.681391
Phenol-d6	10	1.56702	20	1.578964	40	1.575631	80	1.495776	100	1.472042	120	1.433011
Pyrene	5	1.269569	10	1.335888	20	1.347438	40	1.215283	50	1.176284	60	1.135994
Pyridine	5	1.450894	10	1.508679	20	1.500758	40	1.402303	50	1.421701	60	1.439583
Terphenyl-d14	5	0.759045	10	0.7914832	20	0.8267835	40	0.7856392	50	0.7550846	60	0.7440656
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3129583	10	0.3205266	20	0.3493419	40	0.3448924	50	0.3561204	60	0.3409846
2,4,6-Tribromophenol	10	9.746889E-02	20	0.1098797	40	0.1147914	80	0.1197327	100	0.11624	120	0.116617
1,2,4-Trichlorobenzene	5	0.3494616	10	0.3476154	20	0.3551252	40	0.3384588	50	0.3410857	60	0.3336289
2,4,6-Trichlorophenol	5	0.3633886	10	0.3835832	20	0.4015645	40	0.3975579	50	0.3943937	60	0.396121
2,4,5-Trichlorophenol	5	0.3479752	10	0.3593403	20	0.4048246	40	0.4025023	50	0.4053154	60	0.4080477

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

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	1.007038	100	0.9448967								
Acenaphthylene	80	1.463699	100	1.354083								
Acetophenone					5	1.854627	10	1.791064	20	1.814119	40	1.786505
Aniline	80	1.836509	100	1.778359								
Anthracene	80	0.9395351	100	0.8619493								
Atrazine					5	0.2149468	10	0.2213603	20	0.225859	40	0.2406622
Benzaldehyde					5	1.101007	10	1.076328	20	1.07395	40	0.9905509
Benzidine					5	0.5982221	10	0.6233508	20	0.6721449	40	0.6816705
Benzo(a)anthracene	80	1.039064	100	0.988222								
Benzo(a)pyrene	80	1.057477	100	0.9849124								
Benzo(b)fluoranthene	80	1.000322	100	1.137211								
Benzo(g,h,i)perylene	80	1.010113	100	1.00717								
Benzoic acid	80	0.288002	100	0.3073683								
Benzo(k)fluoranthene	80	1.288017	100	1.039958								
Benzyl alcohol	80	0.8399113	100	0.8291029								
1,1-Biphenyl					5	1.444924	10	1.462762	20	1.465034	40	1.400757
4-Bromophenyl-phenylether	80	0.2322959	100	0.2267755								
Butylbenzylphthalate	80	0.5450172	100	0.5332066								
Caprolactam					5	9.508992E-02	10	0.0970182	20	0.1014958	40	0.1071126
Carbazole	80	0.9117642	100	0.8603283								
4-Chloro-3-methylphenol	80	0.3239361	100	0.3128581								
4-Chloroaniline	80	0.4181819	100	0.4057045								
Bis(2-chloroethoxy)methane	80	0.412871	100	0.401461								
Bis(2-chloroethyl)ether	80	1.234201	100	1.196301								
2,2'-Oxybis-1-chloropropane	80	1.559356	100	1.522435								
2-Chloronaphthalene	80	1.037875	100	0.9697123								
2-Chlorophenol	80	1.250053	100	1.221566								
4-Chlorophenyl phenyl ether	80	0.6050546	100	0.582263								
Chrysene	80	0.9773309	100	0.9316359								
Dibenz(a,h)anthracene	80	1.013161	100	0.9812686								
Dibenzofuran	80	1.350958	100	1.254226								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

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	0.9816543	100	0.8971291								
1,4-Dichlorobenzene	80	1.376729	100	1.309893								
1,3-Dichlorobenzene	80	1.370178	100	1.332432								
1,2-Dichlorobenzene	80	1.299695	100	1.272024								
3,3'-Dichlorobenzidine					5	0.3543587	10	0.3740634	20	0.3969158	40	0.4162336
2,6-Dichlorophenol					5	0.3029182	10	0.3037802	20	0.3026235	40	0.3162123
2,4-Dichlorophenol	80	0.3128693	100	0.3030876								
Diethylphthalate	80	1.176199	100	1.110356								
2,4-Dimethylphenol	80	0.3615218	100	0.3601468								
Dimethyl phthalate	80	1.147566	100	1.101382								
4,6-Dinitro-2-methylphenol	80	0.1611426	100	0.1632566								
2,4-Dinitrophenol	80	0.2034171	100	0.2067659								
2,4-Dinitrotoluene	80	0.4250739	100	0.4213723								
2,6-Dinitrotoluene	80	0.3060406	100	0.3029055								
Di-n-octylphthalate	80	1.19253	100	1.130569								
1,4-Dioxane					5	0.5681997	10	0.5720167	20	0.5405075	40	0.5215231
1,2-Diphenylhydrazine	80	0.711338	100	0.6708871								
Bis(2-ethylhexyl)phthalate	80	0.7201792	100	0.6965867								
Fluoranthene	80	1.023074	100	0.9552043								
Fluorene	80	1.192825	100	1.10791								
2-Fluorobiphenyl	80	1.168444	100	1.100862								
2-Fluorophenol	160	1.054541	200	1.011147								
Hexachlorobenzene	80	0.2494867	100	0.2407232								
Hexachlorobutadiene	80	0.1926689	100	0.1935308								
Hexachlorocyclopentadiene	80	0.3720966	100	0.360964								
Hexachloroethane	80	0.587194	100	0.5769922								
Indeno(1,2,3-cd)pyrene	80	1.219234	100	1.186028								
Isophorone	80	0.6458218	100	0.6339611								
1-Methylnaphthalene	80	0.5292253	100	0.5167777								
2-Methylnaphthalene	80	0.5632596	100	0.5391497								
2-Methylphenol	80	1.122389	100	1.116647								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

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	1.197636	100	1.178114								
4-Methylphenol	80	1.197636	100	1.178114								
3-Methylphenol/4-Methylphenol	80	1.197636	100	1.178114								
Naphthalene	80	0.8568929	100	0.8020783								
4-Nitroaniline	80	0.3344389	100	0.3257398								
3-Nitroaniline	80	0.3329237	100	0.3339491								
2-Nitroaniline	80	0.3445397	100	0.3353103								
Nitrobenzene	80	0.3882844	100	0.3827503								
Nitrobenzene-d5	80	0.3854518	100	0.3790163								
4-Nitrophenol	80	0.2853949	100	0.2769577								
2-Nitrophenol	80	0.1988147	100	0.1958569								
N-Nitrosodimethylamine	80	0.6300438	100	0.6199096								
N-Nitrosodiphenylamine	80	0.6354454	100	0.5938058								
N-Nitroso-di-n-propylamine	80	0.9339268	100	0.919134								
Pentachlorophenol	80	0.1795239	100	0.1780552								
Phenanthrene	80	0.9246607	100	0.8510275								
Phenol	80	1.621348	100	1.575871								
Phenol-d6	160	1.363933	200	1.326291								
Pyrene	80	1.029161	100	0.9464214								
Pyridine	80	1.417841	100	1.409563								
Terphenyl-d14	80	0.7003809	100	0.6796219								
1,2,4,5-Tetrachlorobenzene					5	0.3642537	10	0.3739162	20	0.3587545	40	0.3586331
2,3,4,6-Tetrachlorophenol	80	0.3514703	100	0.348575								
2,4,6-Tribromophenol	160	0.114871	200	0.1137257								
1,2,4-Trichlorobenzene	80	0.3197429	100	0.3182462								
2,4,6-Trichlorophenol	80	0.3928045	100	0.3853417								
2,4,5-Trichlorophenol	80	0.3978263	100	0.3895499								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

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	1.76145	60	1.801983	80	1.673292	100	1.611182				
Aniline												
Anthracene												
Atrazine	50	0.2359451	60	0.2357328	80	0.2298759	100	0.2247727				
Benzaldehyde	50	0.9748365	60	0.9989734	80	0.8898613	100	0.8739512				
Benzidine	50	0.6776385	60	0.680287	80	0.6439769	100	0.6296377				
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	1.364835	60	1.327666	80	1.236441	100	1.162958				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1109058	60	0.1124372	80	0.1099913	100	0.1099271				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2261001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	9/11/12 10:38	9/11/12 17:40

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	0.416014	60	0.4278231	80	0.412885	100	0.3940041				
2,6-Dichlorophenol	50	0.3200868	60	0.3120857	80	0.3076012	100	0.2959819				
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	0.5110823	60	0.5407586	80	0.5060359	100	0.5102403				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2261001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	9/11/12 10:38	9/11/12 17:40

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	0.354329	60	0.3540016	80	0.3422855	100	0.3257612				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.10566	8.941982	9.541375	5.759679E-02			CCC (20)	
Acenaphthylene	1.65984	11.47408	9.309875	5.149462E-02			CCC (20)	
Acetophenone	1.761778	4.548734	6.15075	0.029436			CCC (20)	
Aniline	1.975584	6.156998	5.21875	8.840861E-03			CCC (20)	
Anthracene	1.081887	12.14042	11.38375	4.965419E-02			CCC (20)	
Atrazine	0.2286444	3.743847	11.014	2.800227E-02			CCC (20)	
Benzaldehyde	0.9974323	8.489099	5.032875	0.0350803			CCC (20)	
Benzidine	0.650866	4.862256	12.96125	7.03444E-03			CCC (20)	
Benzo(a)anthracene	1.096178	5.859442	14.68275	0.0361667			CCC (20)	
Benzo(a)pyrene	1.020199	5.91785	16.89375	4.367248E-02			CCC (20)	
Benzo(b)fluoranthene	1.062636	8.32804	16.3765	4.687998E-02			CCC (20)	
Benzo(g,h,i)perylene	0.9945587	5.662765	19.13462	6.322926E-02			CCC (20)	
Benzoic acid	0.2585828	19.18735	7.002875	0.5416775	0.9968332		CCC (20)	
Benzo(k)fluoranthene	1.300594	10.47456	16.41512	4.428847E-02			CCC (20)	
Benzyl alcohol	0.8350847	3.232369	5.801	8.006347E-02			CCC (20)	
1,1-Biphenyl	1.358172	8.14203	8.777	3.752441E-02			CCC (20)	
4-Bromophenyl-phenylether	0.2362641	2.694889	10.759	4.506461E-02			CCC (20)	
Butylbenzylphthalate	0.5337897	6.795952	13.95313	1.982893E-02			CCC (20)	
Caprolactam	0.1054972	6.369373	7.769375	0.1428007			CCC (20)	
Carbazole	1.029924	10.35465	11.592	4.012654E-02			CCC (20)	
4-Chloro-3-methylphenol	0.3241539	4.484259	8.02375	2.422232E-02			CCC (20)	
4-Chloroaniline	0.4387603	4.499309	7.395	6.407021E-02			CCC (20)	
Bis(2-chloroethoxy)methane	0.4361706	4.861304	6.99	5.257221E-02			CCC (20)	
Bis(2-chloroethyl)ether	1.284228	4.005468	5.29525	0.1014556			CCC (20)	
2,2'-Oxybis-1-chloropropane	1.662963	5.286827	6.008	7.846643E-02			CCC (20)	
2-Chloronaphthalene	1.10867	7.247886	8.782	5.276285E-02			CCC (20)	
2-Chlorophenol	1.266695	3.235977	5.356	8.851782E-02			CCC (20)	
4-Chlorophenyl phenyl ether	0.6443488	6.230529	10.16638	5.729773E-03			CCC (20)	
Chrysene	1.072128	8.541599	14.74763	3.641467E-02			CCC (20)	
Dibenz(a,h)anthracene	0.968097	8.317117	18.71425	4.210554E-02			CCC (20)	
Dibenzofuran	1.531191	11.0083	9.734	4.736714E-02			CCC (20)	
Di-n-butylphthalate	1.117323	11.87776	12.081	2.243919E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.454535	5.818776	5.61225	0.013037			CCC (20)	
1,3-Dichlorobenzene	1.438718	4.610703	5.53975	1.248566E-02			CCC (20)	
1,2-Dichlorobenzene	1.382609	5.210718	5.860625	0.0201332			CCC (20)	
3,3'-Dichlorobenzidine	0.3990372	6.177841	14.68175	2.892872E-02			CCC (20)	
2,6-Dichlorophenol	0.3076612	2.595722	7.40325	2.436204E-02			15	
2,4-Dichlorophenol	0.3172443	5.18606	7.101375	4.761375E-02			CCC (20)	
Diethylphthalate	1.246346	6.574405	10.103	6.670748E-02			CCC (20)	
2,4-Dimethylphenol	0.3802932	3.960326	6.8645	1.752451E-02			CCC (20)	
Dimethyl phthalate	1.25703	8.5773	9.232125	5.107294E-02			CCC (20)	
4,6-Dinitro-2-methylphenol	0.1376067	22.31038	10.28925	8.292123E-02	0.9995831		CCC (20)	*
2,4-Dinitrophenol	0.1586589	30.52087	9.602375	5.674957E-02	0.9965146		CCC (20)	*
2,4-Dinitrotoluene	0.4130027	6.633871	9.796125	4.871438E-02			CCC (20)	
2,6-Dinitrotoluene	0.3035821	5.167856	9.315	4.886391E-02			CCC (20)	
Di-n-octylphthalate	1.122715	10.64814	15.776	1.209158E-02			CCC (20)	
1,4-Dioxane	0.5337955	4.869741	2.414375	7.061711E-02			15	
1,2-Diphenylhydrazine	0.7871146	8.877235	10.355	4.530772E-02			CCC (20)	
Bis(2-ethylhexyl)phthalate	0.6994262	7.777001	14.8135	7.521677E-03			CCC (20)	
Fluoranthene	1.164281	11.37119	12.78475	7.212182E-03			CCC (20)	
Fluorene	1.322497	9.629889	10.15838	0.047539			CCC (20)	
2-Fluorobiphenyl	1.269863	8.146411	8.668	5.397084E-02			CCC (20)	
2-Fluorophenol	1.119802	5.107841	4.039	1.607769E-02			CCC (20)	
Hexachlorobenzene	0.2557988	3.811211	10.93875	0.0483882			CCC (20)	
Hexachlorobutadiene	0.2021383	2.894676	7.537375	1.656083E-02			CCC (20)	
Hexachlorocyclopentadiene	0.3471121	8.069592	8.46875	1.743379E-02			CCC (20)	
Hexachloroethane	0.606057	2.830271	6.25375	5.98945E-03			CCC (20)	
Indeno(1,2,3-cd)pyrene	1.18309	7.999515	18.68575	3.410259E-02			CCC (20)	
Isophorone	0.694789	5.463283	6.678375	9.487201E-03			CCC (20)	
1-Methylnaphthalene	0.5852855	7.165809	8.311	5.573635E-02			CCC (20)	
2-Methylnaphthalene	0.6105231	7.071532	8.168625	0.0152489			CCC (20)	
2-Methylphenol	1.15948	3.037164	5.977	7.574059E-02			CCC (20)	
3-Methylphenol	1.219104	2.320772	6.17375	7.362797E-02			CCC (20)	
4-Methylphenol	1.219104	2.320772	6.17375	7.362797E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.219104	2.320772	6.17375	7.362797E-02			15	
Naphthalene	0.9922437	12.28808	7.288875	1.449498E-02			CCC (20)	
4-Nitroaniline	0.3237232	5.187175	10.24375	9.360202E-02			CCC (20)	
3-Nitroaniline	0.3275855	3.191586	9.4845	6.968371E-02			CCC (20)	
2-Nitroaniline	0.3368371	4.692985	8.965625	2.313171E-02			CCC (20)	
Nitrobenzene	0.4042427	3.277603	6.37825	1.726574E-02			CCC (20)	
Nitrobenzene-d5	0.3989519	3.300556	6.357375	2.012303E-02			CCC (20)	
4-Nitrophenol	0.263969	9.91531	9.692875	0.0512375			CCC (20)	
2-Nitrophenol	0.1877485	8.18829	6.8025	0.0109992			CCC (20)	
N-Nitrosodimethylamine	0.6512354	3.595621	2.705	0.1357375			CCC (20)	
N-Nitrosodiphenylamine	0.6783385	6.967624	10.324	4.608146E-02			CCC (20)	
N-Nitroso-di-n-propylamine	0.977041	4.270567	6.194375	7.506511E-02			CCC (20)	
Pentachlorophenol	0.1662584	12.1407	11.15975	0.0122687			CCC (20)	
Phenanthrene	1.082295	13.7748	11.32925	4.510804E-02			CCC (20)	
Phenol	1.701202	4.253285	5.197	0.128711			CCC (20)	
Phenol-d6	1.476584	6.577862	5.18125	0.1022497			CCC (20)	
Pyrene	1.182005	12.0001	13.058	3.821264E-02			CCC (20)	
Pyridine	1.443915	2.816602	2.7155	0.1280989			CCC (20)	
Terphenyl-d14	0.755263	6.374122	13.26762	4.197651E-02			CCC (20)	
1,2,4,5-Tetrachlorobenzene	0.3539919	4.108493	8.43825	1.427966E-02			CCC (20)	
2,3,4,6-Tetrachlorophenol	0.3406087	4.554587	9.94875	1.854361E-02			CCC (20)	
2,4,6-Tribromophenol	0.1129158	6.053375	10.48725	7.380264E-03			CCC (20)	
1,2,4-Trichlorobenzene	0.3379206	3.985092	7.2165	8.724103E-03			CCC (20)	
2,4,6-Trichlorophenol	0.3893444	3.105104	8.572375	2.137935E-02			CCC (20)	
2,4,5-Trichlorophenol	0.3894227	5.904797	8.613625	1.934255E-02			CCC (20)	

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV1	Injection Time:	18:08

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	58.60	1.10566	1.295903	0.9	17.2	20
Acenaphthylene	A	50.00	54.94	1.65984	1.823847	0.9	9.9	20
Anthracene	A	50.00	53.20	1.081887	1.151058	0.7	6.4	20
Benzo(a)anthracene	A	50.00	55.59	1.096178	1.218701	0.8	11.2	20
Benzo(a)pyrene	A	50.00	53.88	1.020199	1.099446	0.7	7.8	20
Benzo(b)fluoranthene	A	50.00	53.05	1.062636	1.127461	0.7	6.1	20
Benzo(g,h,i)perylene	A	50.00	54.39	0.9945587	1.081915	0.5	8.8	20
Benzoic acid	L	50.00	48.69	0.2585828	0.2811545	0.01	-2.6	20
Benzo(k)fluoranthene	A	50.00	53.54	1.300594	1.392682	0.7	7.1	20
4-Bromophenyl-phenylether	A	50.00	53.33	0.2362641	0.2519767	0.1	6.7	20
Butylbenzylphthalate	A	50.00	55.26	0.5337897	0.5899795	0.01	10.5	20
Carbazole	A	50.00	53.21	1.029924	1.095962	0.01	6.4	20
4-Chloro-3-methylphenol	A	50.00	54.72	0.3241539	0.3547434	0.2	9.4	20
4-Chloroaniline	A	50.00	52.81	0.4387603	0.4634271	0.01	5.6	20
Bis(2-chloroethoxy)methane	A	50.00	53.38	0.4361706	0.4656965	0.3	6.8	20
Bis(2-chloroethyl)ether	A	50.00	56.03	1.284228	1.439207	0.7	12.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.74	1.662963	1.853836	0.01	11.5	20
2-Chloronaphthalene	A	50.00	51.24	1.10867	1.136069	0.8	2.5	20
2-Chlorophenol	A	50.00	58.06	1.266695	1.470975	0.8	16.1	20
4-Chlorophenyl phenyl ether	A	50.00	51.29	0.6443488	0.6609697	0.4	2.6	20
Chrysene	A	50.00	56.09	1.072128	1.202645	0.7	12.2	20
Dibenz(a,h)anthracene	A	50.00	55.01	0.968097	1.065122	0.4	10.0	20
Dibenzofuran	A	50.00	53.47	1.531191	1.637537	0.8	6.9	20
Di-n-butylphthalate	A	50.00	51.42	1.117323	1.148948	0.01	2.8	20
2,4-Dichlorophenol	A	50.00	54.14	0.3172443	0.3435181	0.2	8.3	20
Diethylphthalate	A	50.00	50.34	1.246346	1.254886	0.01	0.7	20
2,4-Dimethylphenol	A	50.00	56.41	0.3802932	0.4290272	0.2	12.8	20
Dimethyl phthalate	A	50.00	49.52	1.25703	1.244959	0.01	-1.0	20
4,6-Dinitro-2-methylphenol	L	50.00	53.68	0.1376067	0.1681106	0.01	7.4	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV1	Injection Time:	18:08

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	49.63	0.1586589	0.1883481	0.05	-0.7	20
2,4-Dinitrotoluene	A	50.00	52.00	0.4130027	0.4295454	0.2	4.0	20
2,6-Dinitrotoluene	A	50.00	53.10	0.3035821	0.3224102	0.2	6.2	20
Di-n-octylphthalate	A	50.00	55.98	1.122715	1.25702	0.01	12.0	20
1,2-Diphenylhydrazine	A	50.00	54.43	0.7871146	0.856912	0.01	8.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.88	0.6994262	0.7957128	0.01	13.8	20
Fluoranthene	A	50.00	53.36	1.164281	1.242525	0.6	6.7	20
Fluorene	A	50.00	51.97	1.322497	1.3745	0.9	3.9	20
Hexachlorobenzene	A	50.00	53.88	0.2557988	0.2756724	0.1	7.8	20
Hexachlorobutadiene	A	50.00	59.84	0.2021383	0.2419049	0.01	19.7	20
Hexachlorocyclopentadiene	A	50.00	55.42	0.3471121	0.3847598	0.05	10.8	20
Hexachloroethane	A	50.00	54.49	0.606057	0.6604722	0.3	9.0	20
Indeno(1,2,3-cd)pyrene	A	50.00	54.73	1.18309	1.295127	0.5	9.5	20
Isophorone	A	50.00	52.71	0.694789	0.7324747	0.4	5.4	20
1-Methylnaphthalene	A	50.00	53.43	0.5852855	0.6253864	0.01	6.9	20
2-Methylnaphthalene	A	50.00	52.57	0.6105231	0.6419021	0.4	5.1	20
2-Methylphenol	A	50.00	58.16	1.15948	1.348604	0.7	16.3	20
3-Methylphenol/4-Methylphenol	A	50.00	58.18	1.219104	1.418582		16.4	20
Naphthalene	A	50.00	57.00	0.9922437	1.131112	0.7	14.0	20
4-Nitroaniline	A	50.00	53.79	0.3237232	0.348242	0.01	7.6	20
3-Nitroaniline	A	50.00	53.70	0.3275855	0.3518224	0.01	7.4	20
2-Nitroaniline	A	50.00	58.40	0.3368371	0.3934389	0.01	16.8	20
Nitrobenzene	A	50.00	52.69	0.4042427	0.4260277	0.2	5.4	20
4-Nitrophenol	A	50.00	54.75	0.263969	0.2890525	0.05	9.5	20
2-Nitrophenol	A	50.00	54.00	0.1877485	0.2027527	0.1	8.0	20
N-Nitrosodiphenylamine	A	50.00	53.61	0.6783385	0.7272844	0.01	7.2	20
N-Nitroso-di-n-propylamine	A	50.00	55.58	0.977041	1.086017	0.5	11.2	20
Phenanthrene	A	50.00	53.75	1.082295	1.163421	0.7	7.5	20
Phenol	A	50.00	56.31	1.701202	1.915796	0.8	12.6	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV1	Injection Time:	18:08

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Pyrene	A	50.00	54.56	1.182005	1.289905	0.6	9.1	20	
2,4,6-Trichlorophenol	A	50.00	53.74	0.3893444	0.4184625	0.2	7.5	20	
2,4,5-Trichlorophenol	A	50.00	58.16	0.3894227	0.4529662	0.2	16.3	20	
2-Fluorobiphenyl	A	50.00	53.53	1.269863	1.359507	0.01	7.1	20	
2-Fluorophenol	A	100.0	122.0	1.119802	1.365786	0.01	22.0	20	*
Nitrobenzene-d5	A	50.00	55.18	0.3989519	0.4402934	0.01	10.4	20	
Phenol-d6	A	100.0	113.3	1.476584	1.673269	0.01	13.3	20	
Terphenyl-d14	A	50.00	59.66	0.755263	0.9012434	0.01	19.3	20	
2,4,6-Tribromophenol	A	100.0	109.1	0.1129158	0.1231592	0.01	9.1	20	

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV2	Injection Time:	18:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	52.13	1.761778	1.836985	0.01	4.3	20
Atrazine	A	50.00	47.98	0.2286444	0.2194247	0.01	-4.0	20
Benzaldehyde	A	50.00	52.76	0.9974323	1.052489	0.01	5.5	20
Benzidine	A	50.00	56.11	0.650866	0.7304139	0.01	12.2	20
1,1-Biphenyl	A	50.00	51.62	1.358172	1.402158	0.01	3.2	20
Caprolactam	A	50.00	55.44	0.1054972	0.1169682	0.01	10.9	20
3,3'-Dichlorobenzidine	A	50.00	54.50	0.3990372	0.4349478	0.01	9.0	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV3.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/12/12
Lab Sample ID:	2I25803-ICV3	Injection Time:	15:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	A	50.00	46.01	0.1662584	0.1529758	0.05	-8.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29213	Injection Date:	10/17/12
Lab Sample ID:	2J29213-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	44.37	1.10566	0.9811046	0.9	-11.3	20
Acenaphthylene	A	50.00	45.59	1.65984	1.513602	0.9	-8.8	20
Anthracene	A	50.00	48.24	1.081887	1.043792	0.7	-3.5	20
Benzo(a)anthracene	A	50.00	49.50	1.096178	1.085133	0.8	-1.0	20
Benzo(a)pyrene	A	50.00	48.30	1.020199	0.9856026	0.7	-3.4	20
Benzo(b)fluoranthene	A	50.00	48.29	1.062636	1.026242	0.7	-3.4	20
Benzo(g,h,i)perylene	A	50.00	49.25	0.9945587	0.9795889	0.5	-1.5	20
Benzoic acid	L	50.00	52.52	0.2585828	0.3052577	0.01	5.0	20
Benzo(k)fluoranthene	A	50.00	44.70	1.300594	1.162734	0.7	-10.6	20
4-Bromophenyl-phenylether	A	50.00	50.42	0.2362641	0.2382291	0.1	0.8	20
Butylbenzylphthalate	A	50.00	51.76	0.5337897	0.552575	0.01	3.5	20
Carbazole	A	50.00	49.69	1.029924	1.023546	0.01	-0.6	20
4-Chloro-3-methylphenol	A	50.00	49.95	0.3241539	0.3238175	0.2	-0.1	20
4-Chloroaniline	A	50.00	47.62	0.4387603	0.4179217	0.01	-4.7	20
Bis(2-chloroethoxy)methane	A	50.00	48.07	0.4361706	0.4193119	0.3	-3.9	20
Bis(2-chloroethyl)ether	A	50.00	48.75	1.284228	1.25208	0.7	-2.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.51	1.662963	1.613392	0.01	-3.0	20
2-Chloronaphthalene	A	50.00	45.38	1.10867	1.006199	0.8	-9.2	20
2-Chlorophenol	A	50.00	50.78	1.266695	1.286336	0.8	1.6	20
4-Chlorophenyl phenyl ether	A	50.00	45.25	0.6443488	0.5830918	0.4	-9.5	20
Chrysene	A	50.00	45.41	1.072128	0.9737828	0.7	-9.2	20
Dibenz(a,h)anthracene	A	50.00	49.91	0.968097	0.9663288	0.4	-0.2	20
Dibenzofuran	A	50.00	44.76	1.531191	1.370575	0.8	-10.5	20
Di-n-butylphthalate	A	50.00	50.63	1.117323	1.131388	0.01	1.3	20
2,4-Dichlorophenol	A	50.00	49.55	0.3172443	0.314372	0.2	-0.9	20
Diethylphthalate	A	50.00	45.47	1.246346	1.133431	0.01	-9.1	20
2,4-Dimethylphenol	A	50.00	47.35	0.3802932	0.3601287	0.2	-5.3	20
Dimethyl phthalate	A	50.00	46.56	1.25703	1.17049	0.01	-6.9	20
4,6-Dinitro-2-methylphenol	L	50.00	56.99	0.1376067	0.1792998	0.01	14.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29213	Injection Date:	10/17/12
Lab Sample ID:	2J29213-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	56.59	0.1586589	0.2185492	0.05	13.2	20
2,4-Dinitrotoluene	A	50.00	49.64	0.4130027	0.4100485	0.2	-0.7	20
2,6-Dinitrotoluene	A	50.00	49.43	0.3035821	0.3001224	0.2	-1.1	20
Di-n-octylphthalate	A	50.00	50.61	1.122715	1.136352	0.01	1.2	20
1,2-Diphenylhydrazine	A	50.00	46.50	0.7871146	0.7320409	0.01	-7.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	52.33	0.6994262	0.7319782	0.01	4.7	20
Fluoranthene	A	50.00	49.37	1.164281	1.149551	0.6	-1.3	20
Fluorene	A	50.00	44.71	1.322497	1.182492	0.9	-10.6	20
Hexachlorobenzene	A	50.00	49.37	0.2557988	0.2525744	0.1	-1.3	20
Hexachlorobutadiene	A	50.00	44.77	0.2021383	0.1810092	0.01	-10.5	20
Hexachlorocyclopentadiene	A	50.00	50.38	0.3471121	0.3497682	0.05	0.8	20
Hexachloroethane	A	50.00	46.18	0.606057	0.5598164	0.3	-7.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.02	1.18309	1.16001	0.5	-2.0	20
Isophorone	A	50.00	46.61	0.694789	0.6476634	0.4	-6.8	20
1-Methylnaphthalene	A	50.00	46.47	0.5852855	0.5439426	0.01	-7.1	20
2-Methylnaphthalene	A	50.00	46.48	0.6105231	0.5675275	0.4	-7.0	20
2-Methylphenol	A	50.00	51.40	1.15948	1.192044	0.7	2.8	20
3-Methylphenol/4-Methylphenol	A	50.00	50.81	1.219104	1.238926		1.6	20
Naphthalene	A	50.00	45.99	0.9922437	0.9126158	0.7	-8.0	20
4-Nitroaniline	A	50.00	51.32	0.3237232	0.3323021	0.01	2.7	20
3-Nitroaniline	A	50.00	51.65	0.3275855	0.3384099	0.01	3.3	20
2-Nitroaniline	A	50.00	47.99	0.3368371	0.3233041	0.01	-4.0	20
Nitrobenzene	A	50.00	46.24	0.4042427	0.3738506	0.2	-7.5	20
4-Nitrophenol	A	50.00	50.80	0.263969	0.268203	0.05	1.6	20
2-Nitrophenol	A	50.00	54.75	0.1877485	0.2055783	0.1	9.5	20
N-Nitrosodiphenylamine	A	50.00	49.49	0.6783385	0.6713771	0.01	-1.0	20
N-Nitroso-di-n-propylamine	A	50.00	47.21	0.977041	0.9225354	0.5	-5.6	20
Pentachlorophenol	A	50.00	54.10	0.1662584	0.1798762	0.05	8.2	20
Phenanthrene	A	50.00	46.62	1.082295	1.009156	0.7	-6.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29213	Injection Date:	10/17/12
Lab Sample ID:	2J29213-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.84	1.701202	1.695957	0.8	-0.3	20
Pyrene	A	50.00	47.36	1.182005	1.119623	0.6	-5.3	20
2,4,6-Trichlorophenol	A	50.00	49.00	0.3893444	0.3815352	0.2	-2.0	20
2,4,5-Trichlorophenol	A	50.00	47.51	0.3894227	0.3700557	0.2	-5.0	20
2-Fluorobiphenyl	A	50.00	45.97	1.269863	1.167533	0.01	-8.1	20
2-Fluorophenol	A	100.0	97.32	1.119802	1.089774	0.01	-2.7	20
Nitrobenzene-d5	A	50.00	48.03	0.3989519	0.3832329	0.01	-3.9	20
Phenol-d6	A	100.0	96.99	1.476584	1.432095	0.01	-3.0	20
Terphenyl-d14	A	50.00	54.85	0.755263	0.8285221	0.01	9.7	20
2,4,6-Tribromophenol	A	100.0	104.2	0.1129158	0.1176094	0.01	4.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29213	Injection Date:	10/17/12
Lab Sample ID:	2J29213-CCV2	Injection Time:	16:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetophenone	A	50.00	46.69	1.761778	1.645161	0.01	-6.6	20	
Atrazine	A	50.00	51.89	0.2286444	0.2372723	0.01	3.8	20	
Benzaldehyde	A	50.00	50.28	0.9974323	1.003047	0.01	0.6	20	
Benzidine	A	50.00	61.50	0.650866	0.8006153	0.01	23.0	20	*
1,1-Biphenyl	A	50.00	45.43	1.358172	1.234022	0.01	-9.1	20	
Caprolactam	A	50.00	59.50	0.1054972	0.1255387	0.01	19.0	20	
3,3'-Dichlorobenzidine	A	50.00	59.07	0.3990372	0.4714427	0.01	18.1	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29404	Injection Date:	10/19/12
Lab Sample ID:	2J29404-CCV1	Injection Time:	10:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	45.06	1.10566	0.9963115	0.9	-9.9	20
Acenaphthylene	A	50.00	46.05	1.65984	1.528673	0.9	-7.9	20
Anthracene	A	50.00	47.85	1.081887	1.035297	0.7	-4.3	20
Benzo(a)anthracene	A	50.00	49.06	1.096178	1.075557	0.8	-1.9	20
Benzo(a)pyrene	A	50.00	48.57	1.020199	0.9910475	0.7	-2.9	20
Benzo(b)fluoranthene	A	50.00	49.65	1.062636	1.055133	0.7	-0.7	20
Benzo(g,h,i)perylene	A	50.00	49.47	0.9945587	0.9840897	0.5	-1.1	20
Benzoic acid	L	50.00	53.34	0.2585828	0.3103649	0.01	6.7	20
Benzo(k)fluoranthene	A	50.00	41.62	1.300594	1.082625	0.7	-16.8	20
4-Bromophenyl-phenylether	A	50.00	49.55	0.2362641	0.2341469	0.1	-0.9	20
Butylbenzylphthalate	A	50.00	51.96	0.5337897	0.5546634	0.01	3.9	20
Carbazole	A	50.00	48.52	1.029924	0.9993986	0.01	-3.0	20
4-Chloro-3-methylphenol	A	50.00	49.05	0.3241539	0.3179897	0.2	-1.9	20
4-Chloroaniline	A	50.00	49.43	0.4387603	0.4337938	0.01	-1.1	20
Bis(2-chloroethoxy)methane	A	50.00	47.37	0.4361706	0.4132186	0.3	-5.3	20
Bis(2-chloroethyl)ether	A	50.00	49.43	1.284228	1.269596	0.7	-1.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.27	1.662963	1.605536	0.01	-3.5	20
2-Chloronaphthalene	A	50.00	46.00	1.10867	1.020082	0.8	-8.0	20
2-Chlorophenol	A	50.00	50.48	1.266695	1.278983	0.8	1.0	20
4-Chlorophenyl phenyl ether	A	50.00	46.02	0.6443488	0.5930042	0.4	-8.0	20
Chrysene	A	50.00	45.85	1.072128	0.9831446	0.7	-8.3	20
Dibenz(a,h)anthracene	A	50.00	50.49	0.968097	0.9775891	0.4	1.0	20
Dibenzofuran	A	50.00	45.86	1.531191	1.404317	0.8	-8.3	20
Di-n-butylphthalate	A	50.00	49.14	1.117323	1.098169	0.01	-1.7	20
2,4-Dichlorophenol	A	50.00	49.30	0.3172443	0.3127991	0.2	-1.4	20
Diethylphthalate	A	50.00	45.27	1.246346	1.128456	0.01	-9.5	20
2,4-Dimethylphenol	A	50.00	47.36	0.3802932	0.3601766	0.2	-5.3	20
Dimethyl phthalate	A	50.00	45.57	1.25703	1.14564	0.01	-8.9	20
4,6-Dinitro-2-methylphenol	L	50.00	56.51	0.1376067	0.1776545	0.01	13.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29404	Injection Date:	10/19/12
Lab Sample ID:	2J29404-CCV1	Injection Time:	10:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	58.21	0.1586589	0.225581	0.05	16.4	20
2,4-Dinitrotoluene	A	50.00	49.96	0.4130027	0.4126577	0.2	-0.08	20
2,6-Dinitrotoluene	A	50.00	50.94	0.3035821	0.3093206	0.2	1.9	20
Di-n-octylphthalate	A	50.00	51.36	1.122715	1.153145	0.01	2.7	20
1,2-Diphenylhydrazine	A	50.00	47.44	0.7871146	0.7467978	0.01	-5.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	52.43	0.6994262	0.7333714	0.01	4.9	20
Fluoranthene	A	50.00	48.74	1.164281	1.134958	0.6	-2.5	20
Fluorene	A	50.00	46.24	1.322497	1.222993	0.9	-7.5	20
Hexachlorobenzene	A	50.00	49.40	0.2557988	0.2527466	0.1	-1.2	20
Hexachlorobutadiene	A	50.00	46.39	0.2021383	0.1875345	0.01	-7.2	20
Hexachlorocyclopentadiene	A	50.00	51.75	0.3471121	0.3592505	0.05	3.5	20
Hexachloroethane	A	50.00	47.32	0.606057	0.5735867	0.3	-5.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.01	1.18309	1.159771	0.5	-2.0	20
Isophorone	A	50.00	47.08	0.694789	0.6542531	0.4	-5.8	20
1-Methylnaphthalene	A	50.00	47.84	0.5852855	0.5600363	0.01	-4.3	20
2-Methylnaphthalene	A	50.00	46.93	0.6105231	0.5730103	0.4	-6.1	20
2-Methylphenol	A	50.00	51.18	1.15948	1.186846	0.7	2.4	20
3-Methylphenol/4-Methylphenol	A	50.00	51.36	1.219104	1.252273		2.7	20
Naphthalene	A	50.00	46.13	0.9922437	0.9153684	0.7	-7.7	20
4-Nitroaniline	A	50.00	51.52	0.3237232	0.3335559	0.01	3.0	20
3-Nitroaniline	A	50.00	51.19	0.3275855	0.3353919	0.01	2.4	20
2-Nitroaniline	A	50.00	48.00	0.3368371	0.3233743	0.01	-4.0	20
Nitrobenzene	A	50.00	46.33	0.4042427	0.3745898	0.2	-7.3	20
4-Nitrophenol	A	50.00	51.20	0.263969	0.2703044	0.05	2.4	20
2-Nitrophenol	A	50.00	55.41	0.1877485	0.2080662	0.1	10.8	20
N-Nitrosodiphenylamine	A	50.00	48.53	0.6783385	0.6583856	0.01	-2.9	20
N-Nitroso-di-n-propylamine	A	50.00	47.54	0.977041	0.9289691	0.5	-4.9	20
Pentachlorophenol	A	50.00	53.64	0.1662584	0.178356	0.05	7.3	20
Phenanthrene	A	50.00	47.20	1.082295	1.021802	0.7	-5.6	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29404	Injection Date:	10/19/12
Lab Sample ID:	2J29404-CCV1	Injection Time:	10:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.21	1.701202	1.674469	0.8	-1.6	20
Pyrene	A	50.00	47.56	1.182005	1.124267	0.6	-4.9	20
2,4,6-Trichlorophenol	A	50.00	48.66	0.3893444	0.3788923	0.2	-2.7	20
2,4,5-Trichlorophenol	A	50.00	51.03	0.3894227	0.3974624	0.2	2.1	20
2-Fluorobiphenyl	A	50.00	46.40	1.269863	1.178443	0.01	-7.2	20
2-Fluorophenol	A	100.0	97.79	1.119802	1.095021	0.01	-2.2	20
Nitrobenzene-d5	A	50.00	48.29	0.3989519	0.3852892	0.01	-3.4	20
Phenol-d6	A	100.0	97.58	1.476584	1.440869	0.01	-2.4	20
Terphenyl-d14	A	50.00	55.14	0.755263	0.832898	0.01	10.3	20
2,4,6-Tribromophenol	A	100.0	105.5	0.1129158	0.119087	0.01	5.5	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29404	Injection Date:	10/19/12
Lab Sample ID:	2J29404-CCV2	Injection Time:	11:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	48.08	1.761778	1.694115	0.01	-3.8	20
Atrazine	A	50.00	51.82	0.2286444	0.2369805	0.01	3.6	20
Benzaldehyde	A	50.00	50.14	0.9974323	1.000173	0.01	0.3	20
Benzidine	A	50.00	59.93	0.650866	0.7801927	0.01	19.9	20
1,1-Biphenyl	A	50.00	44.56	1.358172	1.210438	0.01	-10.9	20
Caprolactam	A	50.00	60.14	0.1054972	0.126885	0.01	20.3	20 *
3,3'-Dichlorobenzidine	A	50.00	59.12	0.3990372	0.4718103	0.01	18.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29716	Injection Date:	10/22/12
Lab Sample ID:	2J29716-CCV1	Injection Time:	14:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.37	1.10566	1.069701	0.9	-3.3	20
Acenaphthylene	A	50.00	49.89	1.65984	1.656165	0.9	-0.2	20
Anthracene	A	50.00	52.43	1.081887	1.134545	0.7	4.9	20
Benzo(a)anthracene	A	50.00	53.76	1.096178	1.178529	0.8	7.5	20
Benzo(a)pyrene	A	50.00	53.87	1.020199	1.099243	0.7	7.7	20
Benzo(b)fluoranthene	A	50.00	57.72	1.062636	1.226815	0.7	15.5	20
Benzo(g,h,i)perylene	A	50.00	53.82	0.9945587	1.07048	0.5	7.6	20
Benzoic acid	L	50.00	59.27	0.2585828	0.3476465	0.01	18.5	20
Benzo(k)fluoranthene	A	50.00	45.18	1.300594	1.175223	0.7	-9.6	20
4-Bromophenyl-phenylether	A	50.00	53.42	0.2362641	0.2524514	0.1	6.9	20
Butylbenzylphthalate	A	50.00	55.39	0.5337897	0.5913787	0.01	10.8	20
Carbazole	A	50.00	52.83	1.029924	1.088317	0.01	5.7	20
4-Chloro-3-methylphenol	A	50.00	53.95	0.3241539	0.3497633	0.2	7.9	20
4-Chloroaniline	A	50.00	53.83	0.4387603	0.4723459	0.01	7.7	20
Bis(2-chloroethoxy)methane	A	50.00	51.88	0.4361706	0.4525579	0.3	3.8	20
Bis(2-chloroethyl)ether	A	50.00	53.89	1.284228	1.384238	0.7	7.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	54.45	1.662963	1.81085	0.01	8.9	20
2-Chloronaphthalene	A	50.00	49.72	1.10867	1.102562	0.8	-0.6	20
2-Chlorophenol	A	50.00	54.96	1.266695	1.39239	0.8	9.9	20
4-Chlorophenyl phenyl ether	A	50.00	49.25	0.6443488	0.6347295	0.4	-1.5	20
Chrysene	A	50.00	49.17	1.072128	1.054416	0.7	-1.7	20
Dibenz(a,h)anthracene	A	50.00	54.44	0.968097	1.054005	0.4	8.9	20
Dibenzofuran	A	50.00	49.88	1.531191	1.527422	0.8	-0.2	20
Di-n-butylphthalate	A	50.00	53.29	1.117323	1.190926	0.01	6.6	20
2,4-Dichlorophenol	A	50.00	53.02	0.3172443	0.3364051	0.2	6.0	20
Diethylphthalate	A	50.00	48.38	1.246346	1.206097	0.01	-3.2	20
2,4-Dimethylphenol	A	50.00	51.55	0.3802932	0.3921192	0.2	3.1	20
Dimethyl phthalate	A	50.00	49.34	1.25703	1.240393	0.01	-1.3	20
4,6-Dinitro-2-methylphenol	L	50.00	60.61	0.1376067	0.1914942	0.01	21.2	20 *

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29716	Injection Date:	10/22/12
Lab Sample ID:	2J29716-CCV1	Injection Time:	14:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	60.99	0.1586589	0.2376652	0.05	22.0	20 *
2,4-Dinitrotoluene	A	50.00	53.79	0.4130027	0.4443169	0.2	7.6	20
2,6-Dinitrotoluene	A	50.00	54.66	0.3035821	0.331853	0.2	9.3	20
Di-n-octylphthalate	A	50.00	55.56	1.122715	1.247542	0.01	11.1	20
1,2-Diphenylhydrazine	A	50.00	51.99	0.7871146	0.8185116	0.01	4.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.29	0.6994262	0.7874317	0.01	12.6	20
Fluoranthene	A	50.00	52.45	1.164281	1.221242	0.6	4.9	20
Fluorene	A	50.00	49.15	1.322497	1.300015	0.9	-1.7	20
Hexachlorobenzene	A	50.00	52.99	0.2557988	0.2710824	0.1	6.0	20
Hexachlorobutadiene	A	50.00	49.30	0.2021383	0.1993137	0.01	-1.4	20
Hexachlorocyclopentadiene	A	50.00	54.94	0.3471121	0.3813904	0.05	9.9	20
Hexachloroethane	A	50.00	50.73	0.606057	0.6148811	0.3	1.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.13	1.18309	1.257148	0.5	6.3	20
Isophorone	A	50.00	51.45	0.694789	0.7150037	0.4	2.9	20
1-Methylnaphthalene	A	50.00	51.34	0.5852855	0.6010339	0.01	2.7	20
2-Methylnaphthalene	A	50.00	50.37	0.6105231	0.615033	0.4	0.7	20
2-Methylphenol	A	50.00	57.00	1.15948	1.321907	0.7	14.0	20
3-Methylphenol/4-Methylphenol	A	50.00	56.60	1.219104	1.379977		13.2	20
Naphthalene	A	50.00	50.57	0.9922437	1.003633	0.7	1.1	20
4-Nitroaniline	A	50.00	56.99	0.3237232	0.3689569	0.01	14.0	20
3-Nitroaniline	A	50.00	56.04	0.3275855	0.3671769	0.01	12.1	20
2-Nitroaniline	A	50.00	51.71	0.3368371	0.3483867	0.01	3.4	20
Nitrobenzene	A	50.00	51.42	0.4042427	0.4156828	0.2	2.8	20
4-Nitrophenol	A	50.00	54.21	0.263969	0.2862053	0.05	8.4	20
2-Nitrophenol	A	50.00	59.94	0.1877485	0.2250864	0.1	19.9	20
N-Nitrosodiphenylamine	A	50.00	52.96	0.6783385	0.7185534	0.01	5.9	20
N-Nitroso-di-n-propylamine	A	50.00	52.55	0.977041	1.026857	0.5	5.1	20
Pentachlorophenol	A	50.00	59.86	0.1662584	0.1990635	0.05	19.7	20
Phenanthrene	A	50.00	51.52	1.082295	1.11511	0.7	3.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29716	Injection Date:	10/22/12
Lab Sample ID:	2J29716-CCV1	Injection Time:	14:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	54.96	1.701202	1.870127	0.8	9.9	20
Pyrene	A	50.00	52.00	1.182005	1.229257	0.6	4.0	20
2,4,6-Trichlorophenol	A	50.00	53.15	0.3893444	0.4138953	0.2	6.3	20
2,4,5-Trichlorophenol	A	50.00	53.07	0.3894227	0.4133442	0.2	6.1	20
2-Fluorobiphenyl	A	50.00	49.90	1.269863	1.26722	0.01	-0.2	20
2-Fluorophenol	A	100.0	106.3	1.119802	1.190731	0.01	6.3	20
Nitrobenzene-d5	A	50.00	52.89	0.3989519	0.4220183	0.01	5.8	20
Phenol-d6	A	100.0	107.0	1.476584	1.579229	0.01	7.0	20
Terphenyl-d14	A	50.00	59.74	0.755263	0.9023872	0.01	19.5	20
2,4,6-Tribromophenol	A	100.0	113.0	0.1129158	0.1275595	0.01	13.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29716	Injection Date:	10/22/12
Lab Sample ID:	2J29716-CCV2	Injection Time:	14:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.14	1.761778	1.801969	0.01	2.3	20
Atrazine	A	50.00	51.94	0.2286444	0.2374995	0.01	3.9	20
Benzaldehyde	A	50.00	56.80	0.9974323	1.133012	0.01	13.6	20
Benzidine	A	50.00	67.76	0.650866	0.8820288	0.01	35.5	20 *
1,1-Biphenyl	A	50.00	46.57	1.358172	1.265077	0.01	-6.9	20
Caprolactam	A	50.00	61.68	0.1054972	0.1301424	0.01	23.4	20 *
3,3'-Dichlorobenzidine	A	50.00	60.30	0.3990372	0.4812319	0.01	20.6	20 *

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29819	Injection Date:	10/23/12
Lab Sample ID:	2J29819-CCV1	Injection Time:	12:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.37	1.10566	1.069543	0.9	-3.3	20
Acenaphthylene	A	50.00	48.87	1.65984	1.622365	0.9	-2.3	20
Anthracene	A	50.00	53.19	1.081887	1.150963	0.7	6.4	20
Benzo(a)anthracene	A	50.00	53.42	1.096178	1.171198	0.8	6.8	20
Benzo(a)pyrene	A	50.00	53.48	1.020199	1.091275	0.7	7.0	20
Benzo(b)fluoranthene	A	50.00	51.52	1.062636	1.095029	0.7	3.0	20
Benzo(g,h,i)perylene	A	50.00	53.73	0.9945587	1.068688	0.5	7.5	20
Benzoic acid	L	50.00	59.17	0.2585828	0.3470586	0.01	18.3	20
Benzo(k)fluoranthene	A	50.00	52.26	1.300594	1.359318	0.7	4.5	20
4-Bromophenyl-phenylether	A	50.00	53.01	0.2362641	0.2505098	0.1	6.0	20
Butylbenzylphthalate	A	50.00	55.53	0.5337897	0.5928641	0.01	11.1	20
Carbazole	A	50.00	52.37	1.029924	1.078795	0.01	4.7	20
4-Chloro-3-methylphenol	A	50.00	53.33	0.3241539	0.3457738	0.2	6.7	20
4-Chloroaniline	A	50.00	53.26	0.4387603	0.4673854	0.01	6.5	20
Bis(2-chloroethoxy)methane	A	50.00	51.14	0.4361706	0.4461527	0.3	2.3	20
Bis(2-chloroethyl)ether	A	50.00	53.57	1.284228	1.375935	0.7	7.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.64	1.662963	1.750723	0.01	5.3	20
2-Chloronaphthalene	A	50.00	48.95	1.10867	1.085393	0.8	-2.1	20
2-Chlorophenol	A	50.00	55.65	1.266695	1.40989	0.8	11.3	20
4-Chlorophenyl phenyl ether	A	50.00	49.98	0.6443488	0.6441526	0.4	-0.03	20
Chrysene	A	50.00	49.83	1.072128	1.068398	0.7	-0.3	20
Dibenz(a,h)anthracene	A	50.00	55.15	0.968097	1.067809	0.4	10.3	20
Dibenzofuran	A	50.00	48.41	1.531191	1.482621	0.8	-3.2	20
Di-n-butylphthalate	A	50.00	52.61	1.117323	1.175643	0.01	5.2	20
2,4-Dichlorophenol	A	50.00	54.19	0.3172443	0.3438112	0.2	8.4	20
Diethylphthalate	A	50.00	47.73	1.246346	1.189802	0.01	-4.5	20
2,4-Dimethylphenol	A	50.00	51.32	0.3802932	0.3903082	0.2	2.6	20
Dimethyl phthalate	A	50.00	48.44	1.25703	1.217929	0.01	-3.1	20
4,6-Dinitro-2-methylphenol	L	50.00	57.88	0.1376067	0.1823073	0.01	15.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29819	Injection Date:	10/23/12
Lab Sample ID:	2J29819-CCV1	Injection Time:	12:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	61.02	0.1586589	0.2378055	0.05	22.0	20 *
2,4-Dinitrotoluene	A	50.00	54.15	0.4130027	0.447275	0.2	8.3	20
2,6-Dinitrotoluene	A	50.00	54.10	0.3035821	0.3284613	0.2	8.2	20
Di-n-octylphthalate	A	50.00	55.64	1.122715	1.24934	0.01	11.3	20
1,2-Diphenylhydrazine	A	50.00	50.62	0.7871146	0.7968664	0.01	1.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.49	0.6994262	0.7902203	0.01	13.0	20
Fluoranthene	A	50.00	52.05	1.164281	1.212035	0.6	4.1	20
Fluorene	A	50.00	48.68	1.322497	1.287499	0.9	-2.6	20
Hexachlorobenzene	A	50.00	53.01	0.2557988	0.2712171	0.1	6.0	20
Hexachlorobutadiene	A	50.00	49.58	0.2021383	0.200441	0.01	-0.8	20
Hexachlorocyclopentadiene	A	50.00	54.28	0.3471121	0.3768134	0.05	8.6	20
Hexachloroethane	A	50.00	50.09	0.606057	0.6071449	0.3	0.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.65	1.18309	1.269435	0.5	7.3	20
Isophorone	A	50.00	50.81	0.694789	0.7060303	0.4	1.6	20
1-Methylnaphthalene	A	50.00	50.57	0.5852855	0.5919866	0.01	1.1	20
2-Methylnaphthalene	A	50.00	50.27	0.6105231	0.6138473	0.4	0.5	20
2-Methylphenol	A	50.00	55.54	1.15948	1.287983	0.7	11.1	20
3-Methylphenol/4-Methylphenol	A	50.00	55.85	1.219104	1.361746		11.7	20
Naphthalene	A	50.00	50.80	0.9922437	1.00819	0.7	1.6	20
4-Nitroaniline	A	50.00	56.42	0.3237232	0.3653255	0.01	12.9	20
3-Nitroaniline	A	50.00	54.11	0.3275855	0.3544948	0.01	8.2	20
2-Nitroaniline	A	50.00	51.49	0.3368371	0.3469075	0.01	3.0	20
Nitrobenzene	A	50.00	50.74	0.4042427	0.4102681	0.2	1.5	20
4-Nitrophenol	A	50.00	53.42	0.263969	0.2819979	0.05	6.8	20
2-Nitrophenol	A	50.00	61.70	0.1877485	0.2316727	0.1	23.4	20 *
N-Nitrosodiphenylamine	A	50.00	53.97	0.6783385	0.7321921	0.01	7.9	20
N-Nitroso-di-n-propylamine	A	50.00	51.28	0.977041	1.001993	0.5	2.6	20
Pentachlorophenol	A	50.00	59.18	0.1662584	0.196794	0.05	18.4	20
Phenanthrene	A	50.00	50.40	1.082295	1.090927	0.7	0.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29819	Injection Date:	10/23/12
Lab Sample ID:	2J29819-CCV1	Injection Time:	12:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	54.51	1.701202	1.854749	0.8	9.0	20
Pyrene	A	50.00	51.45	1.182005	1.216368	0.6	2.9	20
2,4,6-Trichlorophenol	A	50.00	52.59	0.3893444	0.4094859	0.2	5.2	20
2,4,5-Trichlorophenol	A	50.00	53.70	0.3894227	0.4182034	0.2	7.4	20
2-Fluorobiphenyl	A	50.00	49.67	1.269863	1.261586	0.01	-0.7	20
2-Fluorophenol	A	100.0	106.1	1.119802	1.187957	0.01	6.1	20
Nitrobenzene-d5	A	50.00	51.61	0.3989519	0.4117965	0.01	3.2	20
Phenol-d6	A	100.0	105.4	1.476584	1.556074	0.01	5.4	20
Terphenyl-d14	A	50.00	58.58	0.755263	0.8848747	0.01	17.2	20
2,4,6-Tribromophenol	A	100.0	112.2	0.1129158	0.1266912	0.01	12.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2J29819	Injection Date:	10/23/12
Lab Sample ID:	2J29819-CCV2	Injection Time:	12:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.08	1.761778	1.729197	0.01	-1.8	20
Atrazine	A	50.00	51.74	0.2286444	0.2365943	0.01	3.5	20
Benzaldehyde	A	50.00	56.32	0.9974323	1.123591	0.01	12.6	20
Benzidine	A	50.00	68.31	0.650866	0.8892281	0.01	36.6	20 *
1,1-Biphenyl	A	50.00	48.56	1.358172	1.319215	0.01	-2.9	20
Caprolactam	A	50.00	62.80	0.1054972	0.1325156	0.01	25.6	20 *
3,3'-Dichlorobenzidine	A	50.00	60.16	0.3990372	0.4801412	0.01	20.3	20 *

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J30001	Injection Date:	10/24/12
Lab Sample ID:	2J30001-CCV1	Injection Time:	12:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	49.08	1.10566	1.085304	0.9	-1.8	20
Acenaphthylene	A	50.00	49.01	1.65984	1.626953	0.9	-2.0	20
Anthracene	A	50.00	52.30	1.081887	1.131641	0.7	4.6	20
Benzo(a)anthracene	A	50.00	53.84	1.096178	1.180426	0.8	7.7	20
Benzo(a)pyrene	A	50.00	54.48	1.020199	1.111513	0.7	9.0	20
Benzo(b)fluoranthene	A	50.00	51.30	1.062636	1.090221	0.7	2.6	20
Benzo(g,h,i)perylene	A	50.00	53.42	0.9945587	1.062691	0.5	6.9	20
Benzoic acid	L	50.00	59.05	0.2585828	0.3462816	0.01	18.1	20
Benzo(k)fluoranthene	A	50.00	52.20	1.300594	1.357935	0.7	4.4	20
4-Bromophenyl-phenylether	A	50.00	53.10	0.2362641	0.2509019	0.1	6.2	20
Butylbenzylphthalate	A	50.00	56.25	0.5337897	0.6005564	0.01	12.5	20
Carbazole	A	50.00	52.14	1.029924	1.073904	0.01	4.3	20
4-Chloro-3-methylphenol	A	50.00	52.70	0.3241539	0.3416366	0.2	5.4	20
4-Chloroaniline	A	50.00	52.80	0.4387603	0.4633109	0.01	5.6	20
Bis(2-chloroethoxy)methane	A	50.00	51.73	0.4361706	0.4512589	0.3	3.5	20
Bis(2-chloroethyl)ether	A	50.00	54.94	1.284228	1.411048	0.7	9.9	20
2,2'-Oxybis-1-chloropropane	A	50.00	53.49	1.662963	1.779085	0.01	7.0	20
2-Chloronaphthalene	A	50.00	49.84	1.10867	1.105182	0.8	-0.3	20
2-Chlorophenol	A	50.00	55.74	1.266695	1.412024	0.8	11.5	20
4-Chlorophenyl phenyl ether	A	50.00	49.38	0.6443488	0.6364348	0.4	-1.2	20
Chrysene	A	50.00	49.93	1.072128	1.070703	0.7	-0.1	20
Dibenz(a,h)anthracene	A	50.00	54.78	0.968097	1.060759	0.4	9.6	20
Dibenzofuran	A	50.00	49.33	1.531191	1.510552	0.8	-1.3	20
Di-n-butylphthalate	A	50.00	52.38	1.117323	1.170576	0.01	4.8	20
2,4-Dichlorophenol	A	50.00	53.96	0.3172443	0.3423978	0.2	7.9	20
Diethylphthalate	A	50.00	48.26	1.246346	1.203094	0.01	-3.5	20
2,4-Dimethylphenol	A	50.00	50.74	0.3802932	0.3859233	0.2	1.5	20
Dimethyl phthalate	A	50.00	48.97	1.25703	1.231254	0.01	-2.1	20
4,6-Dinitro-2-methylphenol	L	50.00	59.23	0.1376067	0.1868361	0.01	18.5	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J30001	Injection Date:	10/24/12
Lab Sample ID:	2J30001-CCV1	Injection Time:	12:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	61.02	0.1586589	0.2377907	0.05	22.0	20 *
2,4-Dinitrotoluene	A	50.00	53.91	0.4130027	0.4452742	0.2	7.8	20
2,6-Dinitrotoluene	A	50.00	54.62	0.3035821	0.3316372	0.2	9.2	20
Di-n-octylphthalate	A	50.00	56.02	1.122715	1.257955	0.01	12.0	20
1,2-Diphenylhydrazine	A	50.00	50.80	0.7871146	0.7996311	0.01	1.6	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.02	0.6994262	0.7836764	0.01	12.0	20
Fluoranthene	A	50.00	52.31	1.164281	1.218059	0.6	4.6	20
Fluorene	A	50.00	49.85	1.322497	1.318439	0.9	-0.3	20
Hexachlorobenzene	A	50.00	52.86	0.2557988	0.2704143	0.1	5.7	20
Hexachlorobutadiene	A	50.00	49.27	0.2021383	0.1991925	0.01	-1.5	20
Hexachlorocyclopentadiene	A	50.00	55.00	0.3471121	0.3818474	0.05	10.0	20
Hexachloroethane	A	50.00	51.10	0.606057	0.6193764	0.3	2.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.06	1.18309	1.255422	0.5	6.1	20
Isophorone	A	50.00	50.79	0.694789	0.7057672	0.4	1.6	20
1-Methylnaphthalene	A	50.00	50.74	0.5852855	0.5940053	0.01	1.5	20
2-Methylnaphthalene	A	50.00	50.01	0.6105231	0.6106942	0.4	0.03	20
2-Methylphenol	A	50.00	56.05	1.15948	1.299839	0.7	12.1	20
3-Methylphenol/4-Methylphenol	A	50.00	56.74	1.219104	1.383559		13.5	20
Naphthalene	A	50.00	50.18	0.9922437	0.9958003	0.7	0.4	20
4-Nitroaniline	A	50.00	56.47	0.3237232	0.3656236	0.01	12.9	20
3-Nitroaniline	A	50.00	54.69	0.3275855	0.3583433	0.01	9.4	20
2-Nitroaniline	A	50.00	50.99	0.3368371	0.3435321	0.01	2.0	20
Nitrobenzene	A	50.00	50.27	0.4042427	0.4064017	0.2	0.5	20
4-Nitrophenol	A	50.00	53.85	0.263969	0.2843141	0.05	7.7	20
2-Nitrophenol	A	50.00	61.49	0.1877485	0.2309104	0.1	23.0	20 *
N-Nitrosodiphenylamine	A	50.00	53.42	0.6783385	0.7248044	0.01	6.8	20
N-Nitroso-di-n-propylamine	A	50.00	51.89	0.977041	1.014065	0.5	3.8	20
Pentachlorophenol	A	50.00	59.82	0.1662584	0.1989207	0.05	19.6	20
Phenanthrene	A	50.00	50.41	1.082295	1.091249	0.7	0.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2J30001	Injection Date:	10/24/12
Lab Sample ID:	2J30001-CCV1	Injection Time:	12:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	55.07	1.701202	1.87379	0.8	10.1	20
Pyrene	A	50.00	52.16	1.182005	1.233115	0.6	4.3	20
2,4,6-Trichlorophenol	A	50.00	53.36	0.3893444	0.4154934	0.2	6.7	20
2,4,5-Trichlorophenol	A	50.00	53.38	0.3894227	0.4157304	0.2	6.8	20
2-Fluorobiphenyl	A	50.00	50.71	1.269863	1.287915	0.01	1.4	20
2-Fluorophenol	A	100.0	108.5	1.119802	1.21466	0.01	8.5	20
Nitrobenzene-d5	A	50.00	51.97	0.3989519	0.4146549	0.01	3.9	20
Phenol-d6	A	100.0	108.3	1.476584	1.598968	0.01	8.3	20
Terphenyl-d14	A	50.00	60.49	0.755263	0.9137775	0.01	21.0	20 *
2,4,6-Tribromophenol	A	100.0	111.2	0.1129158	0.1255388	0.01	11.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2J30001	Injection Date:	10/24/12
Lab Sample ID:	2J30001-CCV2	Injection Time:	12:29

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.33	1.761778	1.738283	0.01	-1.3	20
Atrazine	A	50.00	51.42	0.2286444	0.2351523	0.01	2.8	20
Benzaldehyde	A	50.00	56.59	0.9974323	1.128978	0.01	13.2	20
Benzidine	A	50.00	64.55	0.650866	0.8402465	0.01	29.1	20 *
1,1-Biphenyl	A	50.00	47.68	1.358172	1.295093	0.01	-4.6	20
Caprolactam	A	50.00	61.18	0.1054972	0.1290887	0.01	22.4	20 *
3,3'-Dichlorobenzidine	A	50.00	57.86	0.3990372	0.4618014	0.01	15.7	20

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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
GW0747	10/09/12 08:45	10/10/12 08:30	10/16/12 10:00	7.05	7.00	10/22/12 21:22	6.47	40.00	
GW0753	10/09/12 14:44	10/10/12 08:30	10/16/12 10:00	6.80	7.00	10/22/12 21:49	6.49	40.00	
GW0769	10/09/12 15:03	10/10/12 08:30	10/16/12 10:00	6.79	7.00	10/23/12 13:08	7.13	40.00	
GW0770	10/09/12 15:03	10/10/12 08:30	10/16/12 10:00	6.79	7.00	10/22/12 22:45	6.53	40.00	
GW0771	10/09/12 11:05	10/10/12 08:30	10/16/12 10:00	6.95	7.00	10/22/12 23:13	6.55	40.00	
GW0778	10/09/12 11:20	10/10/12 08:30	10/16/12 10:00	6.94	7.00	10/22/12 23:40	6.57	40.00	
GW0782	10/08/12 15:26	10/10/12 08:30	10/12/12 10:00	3.77	7.00	10/19/12 14:17	7.18	40.00	
GW0783	10/08/12 13:03	10/10/12 08:30	10/12/12 10:00	3.87	7.00	10/19/12 14:45	7.20	40.00	
GW0784	10/08/12 13:03	10/10/12 08:30	10/12/12 10:00	3.87	7.00	10/19/12 15:13	7.22	40.00	
GW0785	10/08/12 10:58	10/10/12 08:30	10/12/12 10:00	3.96	7.00	10/19/12 15:41	7.24	40.00	
GW0795	10/08/12 15:23	10/10/12 08:30	10/12/12 10:00	3.78	7.00	10/19/12 16:09	7.26	40.00	
GW0796	10/08/12 13:25	10/10/12 08:30	10/12/12 10:00	3.86	7.00	10/19/12 16:37	7.28	40.00	
GW0797	10/08/12 13:25	10/10/12 08:30	10/12/12 10:00	3.86	7.00	10/19/12 17:04	7.29	40.00	
GW0798	10/08/12 11:18	10/10/12 08:30	10/12/12 10:00	3.95	7.00	10/19/12 17:32	7.31	40.00	
GW0767	10/11/12 14:36	10/12/12 08:35	10/17/12 09:54	5.76	7.00	10/23/12 22:53	6.54	40.00	
GW0768	10/11/12 11:32	10/12/12 08:35	10/17/12 09:54	5.89	7.00	10/23/12 23:21	6.56	40.00	
GW0793	10/10/12 14:45	10/12/12 08:35	10/16/12 10:00	5.76	7.00	10/23/12 00:08	6.59	40.00	
GW0794	10/10/12 12:16	10/12/12 08:35	10/16/12 10:00	5.86	7.00	10/23/12 01:31	6.65	40.00	
GW0844	10/11/12 15:52	10/12/12 08:35	10/17/12 09:54	5.71	7.00	10/24/12 23:09	7.55	40.00	
GW0845	10/11/12 13:54	10/12/12 08:35	10/17/12 09:54	5.79	7.00	10/24/12 12:57	7.13	40.00	
GW0846	10/11/12 13:54	10/12/12 08:35	10/17/12 09:54	5.79	7.00	10/24/12 13:25	7.15	40.00	
GW0847	10/11/12 11:53	10/12/12 08:35	10/17/12 09:54	5.88	7.00	10/24/12 13:53	7.17	40.00	
GW0868	10/11/12 12:44	10/12/12 08:35	10/17/12 09:54	5.84	7.00	10/24/12 14:21	7.19	40.00	
GW0869	10/10/12 15:16	10/12/12 08:35	10/16/12 10:00	5.74	7.00	10/23/12 13:36	7.15	40.00	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

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
GW0870	10/10/12 10:21	10/12/12 08:35	10/17/12 09:54	6.94	7.00	10/24/12 14:48	7.20	40.00	

Data for SW8011 Forms

Sample Extraction Data

Prep Method: EDB-SW8011

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J12015	35.00/35.00	36.8	35.0	1.00		10/12/12
1210102-03 [GW0753]	2J12015	35.00/35.00	36.8	35.0	1.00		10/12/12
1210102-05 [GW0769]	2J12015	35.00/35.00	37.2	35.0	1.00		10/12/12
1210102-07 [GW0770]	2J12015	35.00/35.00	36.9	35.0	1.00		10/12/12
1210102-09 [GW0771]	2J12015	35.00/35.00	37.4	35.0	1.00		10/12/12
1210102-11 [GW0778]	2J12015	35.00/35.00	36.3	35.0	1.00		10/12/12
1210102-13 [GW0782]	2J12015	35.00/35.00	36.6	35.0	1.00		10/12/12
1210102-15 [GW0783]	2J12015	35.00/35.00	37.0	35.0	1.00		10/12/12
1210102-17 [GW0784]	2J12015	35.00/35.00	36.7	35.0	1.00		10/12/12
1210102-19 [GW0785]	2J12015	35.00/35.00	35.4	35.0	1.00		10/12/12
1210102-21 [GW0795]	2J12015	35.00/35.00	36.4	35.0	1.00		10/12/12
1210102-23 [GW0796]	2J12015	35.00/35.00	35.8	35.0	1.00		10/12/12
1210102-25 [GW0797]	2J12015	35.00/35.00	35.2	35.0	1.00		10/12/12
1210102-27 [GW0798]	2J12015	35.00/35.00	37.2	35.0	1.00		10/12/12

Sample Extraction Data

Prep Method: EDB-SW8011

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-13 [GW0846]	2J16019	35.00/35.00	37.5	35.0	1.00		10/16/12
1210135-15 [GW0847]	2J16019	35.00/35.00	36.4	35.0	1.00		10/16/12
1210135-17 [GW0868]	2J16019	35.00/35.00	37.5	35.0	1.00		10/16/12
1210135-19 [GW0869]	2J16019	35.00/35.00	37.1	35.0	1.00		10/16/12
1210135-21 [GW0870]	2J16019	35.00/35.00	37.3	35.0	1.00		10/16/12

Sample Extraction Data

Prep Method: EDB-SW8011

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J19010	35.00/35.00	37.4	35.0	1.00		10/19/12
1210135-03RE1 [GW0768]	2J19010	35.00/35.00	37.5	35.0	2.00		10/24/12
1210135-05 [GW0793]	2J19010	35.00/35.00	36.0	35.0	1.00		10/19/12
1210135-07 [GW0794]	2J19010	35.00/35.00	37.4	35.0	1.00		10/19/12
1210135-09 [GW0844]	2J19010	35.00/35.00	37.6	35.0	1.00		10/19/12
1210135-11 [GW0845]	2J19010	35.00/35.00	37.2	35.0	1.00		10/19/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	033F0101.D
Sampled:	10/09/12 08:45	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 03:31
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00952	0.0190	0.0286	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.894	1.714	90.5	30 - 130	
1,3-Dibromopropane [2C]	1.894	1.633	86.2	30 - 130	

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	034F0101.D
Sampled:	10/09/12 14:44	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 03:52
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00950	0.0190	0.0285	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.889	1.671	88.5	30 - 130	
1,3-Dibromopropane [2C]	1.889	1.575	83.4	30 - 130	

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	035R0101.D
Sampled:	10/09/12 15:03	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 04:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.263	0.00941	0.0188	0.0282	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.871	1.898	101	30 - 130	
1,3-Dibromopropane [2C]	1.871	1.553	83.0	30 - 130	

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	036R0101.D
Sampled:	10/09/12 15:03	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 04:34
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.249	0.00948	0.0190	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.885	1.898	101	30 - 130	
1,3-Dibromopropane [2C]	1.885	1.546	82.0	30 - 130	

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	037R0101.D
Sampled:	10/09/12 11:05	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 04:55
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.142	0.00935	0.0187	0.0280	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.859	1.601	86.1	30 - 130	
1,3-Dibromopropane [2C]	1.859	1.399	75.3	30 - 130	

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	038R0101.D
Sampled:	10/09/12 11:20	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 05:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00964	0.0193	0.0289	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.918	1.690	88.1	30 - 130	
1,3-Dibromopropane [2C]	1.918	1.601	83.5	30 - 130	

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	039R0101.D
Sampled:	10/08/12 15:26	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 05:37
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00957	0.0191	0.0287	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.903	1.665	87.5	30 - 130	
1,3-Dibromopropane [2C]	1.903	1.565	82.3	30 - 130	

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	040R0101.D
Sampled:	10/08/12 13:03	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 05:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.882	1.613	85.7	30 - 130	
1,3-Dibromopropane [2C]	1.882	1.534	81.5	30 - 130	

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	042F0101.D
Sampled:	10/08/12 13:03	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 06:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00953	0.0191	0.0286	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.896	1.797	94.7	30 - 130	
1,3-Dibromopropane [2C]	1.896	1.704	89.9	30 - 130	

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	043R0101.D
Sampled:	10/08/12 10:58	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 07:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00988	0.0198	0.0296	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.965	1.828	93.0	30 - 130	
1,3-Dibromopropane [2C]	1.965	1.713	87.2	30 - 130	

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	044R0101.D
Sampled:	10/08/12 15:23	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 07:24
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00963	0.0193	0.0289	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.915	1.733	90.5	30 - 130	
1,3-Dibromopropane [2C]	1.915	1.635	85.4	30 - 130	

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	045R0101.D
Sampled:	10/08/12 13:25	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 07:45
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00979	0.0196	0.0294	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.947	1.759	90.3	30 - 130	
1,3-Dibromopropane [2C]	1.947	1.653	84.9	30 - 130	

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	046F0101.D
Sampled:	10/08/12 13:25	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 08:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00993	0.0199	0.0298	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.975	1.764	89.3	30 - 130	
1,3-Dibromopropane [2C]	1.975	1.659	84.0	30 - 130	

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	047R0101.D
Sampled:	10/08/12 11:18	Prepared:	10/12/12 09:22	Analyzed:	10/13/12 08:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J12015 Sequence: 2J29304 Calibration: 2292002 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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.872	1.521	81.3	30 - 130	
1,3-Dibromopropane [2C]	1.872	1.414	75.5	30 - 130	

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	005F0101.D
Sampled:	10/11/12 14:36	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 07:17
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.864	1.400	75.1	30 - 130	
1,3-Dibromopropane [2C]	1.864	1.355	72.7	30 - 130	

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03RE1	File ID:	005R0101.D
Sampled:	10/11/12 11:32	Prepared:	10/24/12 16:54	Analyzed:	10/24/12 16:54
Solids:		Preparation:	EDB	Dilution:	2

Batch: 2J19010 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	1.02	0.0187	0.0373	0.0560	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.855	1.699	91.6	30 - 130	
1,3-Dibromopropane [2C]	1.855	1.242	66.9	30 - 130	

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	007R0101.D
Sampled:	10/10/12 14:45	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 07:59
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.200	0.00971	0.0194	0.0291	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.931	1.799	93.1	30 - 130	
1,3-Dibromopropane [2C]	1.931	1.793	92.9	30 - 130	

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	010R0101.D
Sampled:	10/10/12 12:16	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 09:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00935	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.860	1.685	90.6	30 - 130	
1,3-Dibromopropane [2C]	1.860	1.589	85.5	30 - 130	

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	011R0101.D
Sampled:	10/11/12 15:52	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 09:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.215	0.00931	0.0186	0.0279	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.852	1.537	83.0	30 - 130	
1,3-Dibromopropane [2C]	1.852	1.437	77.6	30 - 130	

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	012R0101.D
Sampled:	10/11/12 13:54	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 09:47
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.208	0.00940	0.0188	0.0282	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.869	1.493	79.9	30 - 130	
1,3-Dibromopropane [2C]	1.869	1.385	74.1	30 - 130	

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	011F0101.D
Sampled:	10/11/12 13:54	Prepared:	10/16/12 13:17	Analyzed:	10/16/12 20:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J16019 Sequence: 2J29709 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.206	0.00933	0.0187	0.0280	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.856	1.555	83.8	30 - 130	
1,3-Dibromopropane [2C]	1.856	1.388	74.8	30 - 130	Y

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	012F0101.D
Sampled:	10/11/12 11:53	Prepared:	10/16/12 13:17	Analyzed:	10/16/12 20:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J16019 Sequence: 2J29709 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00962	0.0192	0.0288	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.912	1.757	91.9	30 - 130	
1,3-Dibromopropane [2C]	1.912	1.492	78.0	30 - 130	Y

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	013F0101.D
Sampled:	10/11/12 12:44	Prepared:	10/16/12 13:17	Analyzed:	10/16/12 20:46
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J16019 Sequence: 2J29709 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0140	0.00933	0.0187	0.0280	JPM

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.856	1.181	63.6	30 - 130	
1,3-Dibromopropane [2C]	1.856	1.021	55.0	30 - 130	Y

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	014F0101.D
Sampled:	10/10/12 15:16	Prepared:	10/16/12 13:17	Analyzed:	10/16/12 21:08
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J16019 Sequence: 2J29709 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.175	0.00943	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.876	1.456	77.6	30 - 130	
1,3-Dibromopropane [2C]	1.876	1.283	68.4	30 - 130	Y

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	017F0101.D
Sampled:	10/10/12 10:21	Prepared:	10/16/12 13:17	Analyzed:	10/16/12 22:12
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J16019 Sequence: 2J29709 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00938	0.0188	0.0282	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.866	1.425	76.4	30 - 130	
1,3-Dibromopropane [2C]	1.866	1.273	68.2	30 - 130	Y

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29304	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29304-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/12/12 16:37		
1,3-Dibromopropane	1.989	102	80 - 120	6.023	6.023	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	104	80 - 120	6.073	6.073	0.0000	+/-0.030	
Calibration Check (2J29304-CCV3) ug/L				Lab File ID: 027F0101.D		Analyzed: 10/13/12 01:24		
1,3-Dibromopropane	1.989	88.9	80 - 120	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.989	85.2	80 - 120	6.08	6.073	0.0070	+/-0.030	
Blank (2J12015-BLK1) ug/L				Lab File ID: 028F0101.D		Analyzed: 10/13/12 01:46		
1,3-Dibromopropane	1.989	95.9	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.989	91.1	30 - 130	6.08	6.073	0.0070	+/-0.030	
LCS (2J12015-BS1) ug/L				Lab File ID: 029F0101.D		Analyzed: 10/13/12 02:07		
1,3-Dibromopropane	1.989	87.8	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.989	83.6	30 - 130	6.08	6.073	0.0070	+/-0.030	
LCS Dup (2J12015-BSD1) ug/L				Lab File ID: 030F0101.D		Analyzed: 10/13/12 02:28		
1,3-Dibromopropane	1.989	89.8	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.989	85.9	30 - 130	6.08	6.073	0.0070	+/-0.030	
GW0747 (1210102-01) ug/L				Lab File ID: 033F0101.D		Analyzed: 10/13/12 03:31		
1,3-Dibromopropane	1.894	90.5	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.894	86.2	30 - 130	6.08	6.073	0.0070	+/-0.030	
GW0753 (1210102-03) ug/L				Lab File ID: 034F0101.D		Analyzed: 10/13/12 03:52		
1,3-Dibromopropane	1.889	88.5	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.889	83.4	30 - 130	6.08	6.073	0.0070	+/-0.030	
GW0769 (1210102-05) ug/L				Lab File ID: 035F0101.D		Analyzed: 10/13/12 04:13		
1,3-Dibromopropane	1.871	101	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.871	83.0	30 - 130	6.08	6.073	0.0070	+/-0.030	
GW0770 (1210102-07) ug/L				Lab File ID: 036F0101.D		Analyzed: 10/13/12 04:34		
1,3-Dibromopropane	1.885	101	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.885	82.0	30 - 130	6.08	6.073	0.0070	+/-0.030	
GW0771 (1210102-09) ug/L				Lab File ID: 037F0101.D		Analyzed: 10/13/12 04:55		
1,3-Dibromopropane	1.859	86.1	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.859	75.3	30 - 130	6.083	6.073	0.0100	+/-0.030	
GW0778 (1210102-11) ug/L				Lab File ID: 038F0101.D		Analyzed: 10/13/12 05:16		
1,3-Dibromopropane	1.918	88.1	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.918	83.5	30 - 130	6.08	6.073	0.0070	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29304	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0782 (1210102-13) ug/L				Lab File ID: 039F0101.D		Analyzed: 10/13/12 05:37		
1,3-Dibromopropane	1.903	87.5	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.903	82.3	30 - 130	6.08	6.073	0.0070	+/-0.030	
GW0783 (1210102-15) ug/L				Lab File ID: 040F0101.D		Analyzed: 10/13/12 05:58		
1,3-Dibromopropane	1.882	85.7	30 - 130	6.026	6.023	0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.882	81.5	30 - 130	6.08	6.073	0.0070	+/-0.030	
Calibration Check (2J29304-CCV4) ug/L				Lab File ID: 041F0101.D		Analyzed: 10/13/12 06:19		
1,3-Dibromopropane	1.989	103	80 - 120	6.023	6.023	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	97.0	80 - 120	6.076	6.073	0.0030	+/-0.030	
GW0784 (1210102-17) ug/L				Lab File ID: 042F0101.D		Analyzed: 10/13/12 06:41		
1,3-Dibromopropane	1.896	94.7	30 - 130	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.896	89.9	30 - 130	6.073	6.073	0.0000	+/-0.030	
GW0785 (1210102-19) ug/L				Lab File ID: 043F0101.D		Analyzed: 10/13/12 07:02		
1,3-Dibromopropane	1.965	93.0	30 - 130	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.965	87.2	30 - 130	6.073	6.073	0.0000	+/-0.030	
GW0795 (1210102-21) ug/L				Lab File ID: 044F0101.D		Analyzed: 10/13/12 07:24		
1,3-Dibromopropane	1.915	90.5	30 - 130	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.915	85.4	30 - 130	6.073	6.073	0.0000	+/-0.030	
GW0796 (1210102-23) ug/L				Lab File ID: 045F0101.D		Analyzed: 10/13/12 07:45		
1,3-Dibromopropane	1.947	90.3	30 - 130	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.947	84.9	30 - 130	6.076	6.073	0.0030	+/-0.030	
GW0797 (1210102-25) ug/L				Lab File ID: 046F0101.D		Analyzed: 10/13/12 08:06		
1,3-Dibromopropane	1.975	89.3	30 - 130	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.975	84.0	30 - 130	6.073	6.073	0.0000	+/-0.030	
GW0798 (1210102-27) ug/L				Lab File ID: 047F0101.D		Analyzed: 10/13/12 08:28		
1,3-Dibromopropane	1.872	81.3	30 - 130	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.872	75.5	30 - 130	6.073	6.073	0.0000	+/-0.030	
Calibration Check (2J29304-CCV5) ug/L				Lab File ID: 048F0101.D		Analyzed: 10/13/12 08:49		
1,3-Dibromopropane	1.989	99.9	80 - 120	6.02	6.023	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.989	93.4	80 - 120	6.073	6.073	0.0000	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29709	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29709-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/16/12 16:52		
1,3-Dibromopropane	1.989	83.1	80 - 120	6.02	6.02	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	77.1	80 - 120	6.076	6.076	0.0000	+/-0.030	*
Blank (2J16019-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 10/16/12 17:13		
1,3-Dibromopropane	1.989	98.4	30 - 130	6.016	6.02	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.989	87.6	30 - 130	6.073	6.076	-0.0030	+/-0.030	
LCS (2J16019-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 10/16/12 17:34		
1,3-Dibromopropane	1.989	91.8	30 - 130	6.02	6.02	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	78.2	30 - 130	6.073	6.076	-0.0030	+/-0.030	
GW0846 (1210135-13) ug/L				Lab File ID: 011F0101.D		Analyzed: 10/16/12 20:04		
1,3-Dibromopropane	1.856	83.8	30 - 130	6.016	6.02	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.856	74.8	30 - 130	6.073	6.076	-0.0030	+/-0.030	
GW0847 (1210135-15) ug/L				Lab File ID: 012F0101.D		Analyzed: 10/16/12 20:25		
1,3-Dibromopropane	1.912	91.9	30 - 130	6.016	6.02	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.912	78.0	30 - 130	6.073	6.076	-0.0030	+/-0.030	
GW0868 (1210135-17) ug/L				Lab File ID: 013F0101.D		Analyzed: 10/16/12 20:46		
1,3-Dibromopropane	1.856	63.6	30 - 130	6.016	6.02	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.856	55.0	30 - 130	6.07	6.076	-0.0060	+/-0.030	
GW0869 (1210135-19) ug/L				Lab File ID: 014F0101.D		Analyzed: 10/16/12 21:08		
1,3-Dibromopropane	1.876	77.6	30 - 130	6.016	6.02	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.876	68.4	30 - 130	6.07	6.076	-0.0060	+/-0.030	
Matrix Spike (2J16019-MS2) ug/L				Lab File ID: 015F0101.D		Analyzed: 10/16/12 21:29		
1,3-Dibromopropane	1.989	81.7	30 - 130	6.016	6.02	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.989	72.6	30 - 130	6.07	6.076	-0.0060	+/-0.030	
Matrix Spike Dup (2J16019-MSD2) ug/L				Lab File ID: 016F0101.D		Analyzed: 10/16/12 21:51		
1,3-Dibromopropane	1.876	82.5	30 - 130	6.02	6.02	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.876	74.0	30 - 130	6.073	6.076	-0.0030	+/-0.030	
GW0870 (1210135-21) ug/L				Lab File ID: 017F0101.D		Analyzed: 10/16/12 22:12		
1,3-Dibromopropane	1.866	76.4	30 - 130	6.02	6.02	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.866	68.2	30 - 130	6.073	6.076	-0.0030	+/-0.030	
Calibration Check (2J29709-CCV2) ug/L				Lab File ID: 019F0101.D		Analyzed: 10/16/12 22:55		
1,3-Dibromopropane	1.989	88.5	80 - 120	6.02	6.02	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	80.0	80 - 120	6.073	6.076	-0.0030	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29807	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29807-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/20/12 06:12		
1,3-Dibromopropane	1.989	102	80 - 120	6.023	6.023	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	99.8	80 - 120	6.076	6.076	0.0000	+/-0.030	
Blank (2J19010-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 10/20/12 06:34		
1,3-Dibromopropane	1.989	94.0	30 - 130	6.016	6.023	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.989	93.6	30 - 130	6.07	6.076	-0.0060	+/-0.030	
LCS (2J19010-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 10/20/12 06:55		
1,3-Dibromopropane	1.989	98.9	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.989	97.3	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0767 (1210135-01) ug/L				Lab File ID: 005F0101.D		Analyzed: 10/20/12 07:17		
1,3-Dibromopropane	1.864	75.1	30 - 130	6.016	6.023	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.864	72.7	30 - 130	6.07	6.076	-0.0060	+/-0.030	
GW0793 (1210135-05) ug/L				Lab File ID: 007F0101.D		Analyzed: 10/20/12 07:59		
1,3-Dibromopropane	1.931	93.1	30 - 130	6.016	6.023	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.931	92.9	30 - 130	6.07	6.076	-0.0060	+/-0.030	
Matrix Spike (2J19010-MS1) ug/L				Lab File ID: 008F0101.D		Analyzed: 10/20/12 08:21		
1,3-Dibromopropane	1.881	95.9	30 - 130	6.016	6.023	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.881	91.1	30 - 130	6.07	6.076	-0.0060	+/-0.030	
Matrix Spike Dup (2J19010-MSD1) ug/L				Lab File ID: 009F0101.D		Analyzed: 10/20/12 08:42		
1,3-Dibromopropane	1.875	98.4	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.875	93.0	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0794 (1210135-07) ug/L				Lab File ID: 010F0101.D		Analyzed: 10/20/12 09:04		
1,3-Dibromopropane	1.860	90.6	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.860	85.5	30 - 130	6.063	6.076	-0.0130	+/-0.030	
GW0844 (1210135-09) ug/L				Lab File ID: 011F0101.D		Analyzed: 10/20/12 09:25		
1,3-Dibromopropane	1.852	83.0	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.852	77.6	30 - 130	6.063	6.076	-0.0130	+/-0.030	
GW0845 (1210135-11) ug/L				Lab File ID: 012F0101.D		Analyzed: 10/20/12 09:47		
1,3-Dibromopropane	1.869	79.9	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.869	74.1	30 - 130	6.063	6.076	-0.0130	+/-0.030	
Calibration Check (2J29807-CCV2) ug/L				Lab File ID: 017F0101.D		Analyzed: 10/20/12 11:35		
1,3-Dibromopropane	1.989	90.1	80 - 120	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.989	82.9	80 - 120	6.066	6.076	-0.0100	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30203	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J30203-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/24/12 15:50		
1,3-Dibromopropane	1.989	100	80 - 120	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	87.8	80 - 120	6.07	6.07	0.0000	+/-0.030	
GW0768 (1210135-03RE1) ug/L				Lab File ID: 005F0101.D		Analyzed: 10/24/12 16:54		
1,3-Dibromopropane	1.855	91.6	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.855	66.9	30 - 130	6.073	6.07	0.0030	+/-0.030	
Calibration Check (2J30203-CCV2) ug/L				Lab File ID: 019F0101.D		Analyzed: 10/24/12 21:52		
1,3-Dibromopropane	1.989	83.9	80 - 120	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.989	83.1	80 - 120	6.073	6.07	0.0030	+/-0.030	

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J12015	Laboratory ID:	2J12015-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	0.4721	94.4	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4869	97.4	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4605	92.1	2.49	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4771	95.4	2.03	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J16019	Laboratory ID:	2J16019-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	0.4698	94.0	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4373	87.5	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19010	Laboratory ID:	2J19010-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	0.5081	102	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5583	112	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16019

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.1751	0.5721	79.4		70 - 130
1,2-Dibromoethane [2C]	0.5000	0.1679	0.5900	84.4		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4717	0.5443	78.3	4.98		20	70 - 130
1,2-Dibromoethane [2C]	0.4717	0.5658	84.4	4.18		20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J19010

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4728	0.1766	0.5857	86.5		70 - 130
1,2-Dibromoethane [2C]	0.4728	0.2004	0.6260	90.0		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4713	0.5475	78.7	6.74		20	70 - 130
1,2-Dibromoethane [2C]	0.4713	0.5668	77.7	9.93		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J12015 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/12/12 09:22	36.75	35.00
GW0753	1210102-03	10/12/12 09:22	36.85	35.00
GW0769	1210102-05	10/12/12 09:22	37.21	35.00
GW0770	1210102-07	10/12/12 09:22	36.92	35.00
GW0771	1210102-09	10/12/12 09:22	37.45	35.00
GW0778	1210102-11	10/12/12 09:22	36.29	35.00
GW0782	1210102-13	10/12/12 09:22	36.58	35.00
GW0783	1210102-15	10/12/12 09:22	36.99	35.00
GW0784	1210102-17	10/12/12 09:22	36.71	35.00
GW0785	1210102-19	10/12/12 09:22	35.43	35.00
GW0795	1210102-21	10/12/12 09:22	36.35	35.00
GW0796	1210102-23	10/12/12 09:22	35.75	35.00
GW0797	1210102-25	10/12/12 09:22	35.24	35.00
GW0798	1210102-27	10/12/12 09:22	37.19	35.00
Blank	2J12015-BLK1	10/12/12 09:22	35.00	35.00
LCS	2J12015-BS1	10/12/12 09:22	35.00	35.00
LCS Dup	2J12015-BSD1	10/12/12 09:22	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J16019 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0846	1210135-13	10/16/12 13:17	37.50	35.00
GW0847	1210135-15	10/16/12 13:17	36.40	35.00
GW0868	1210135-17	10/16/12 13:17	37.50	35.00
GW0869	1210135-19	10/16/12 13:17	37.10	35.00
GW0870	1210135-21	10/16/12 13:17	37.30	35.00
Blank	2J16019-BLK1	10/16/12 13:17	35.00	35.00
LCS	2J16019-BS1	10/16/12 13:17	35.00	35.00
GW0869	2J16019-MS2	10/16/12 13:17	35.00	35.00
GW0869	2J16019-MSD2	10/16/12 13:17	37.10	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J19010 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/19/12 07:51	37.35	35.00
GW0768	1210135-03RE1	10/24/12 16:54	37.52	35.00
GW0793	1210135-05	10/19/12 07:51	36.05	35.00
GW0794	1210135-07	10/19/12 07:51	37.43	35.00
GW0844	1210135-09	10/19/12 07:51	37.58	35.00
GW0845	1210135-11	10/19/12 07:51	37.25	35.00
Blank	2J19010-BLK1	10/19/12 07:51	35.00	35.00
LCS	2J19010-BS1	10/19/12 07:51	35.00	35.00
GW0793	2J19010-MS1	10/19/12 07:51	37.01	35.00
GW0793	2J19010-MSD1	10/19/12 07:51	37.13	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J12015-BLK1	File ID:	028R0101.D
Sampled:		Prepared:	10/12/12 09:22	Analyzed:	10/13/12 01:46
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J12015	Sequence:	2J29304	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.908	95.9	30 - 130	
1,3-Dibromopropane [2C]	1.989	1.813	91.1	30 - 130	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	10/16/12 13:17	Analyzed:	10/16/12 17:13
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.956	98.4	30 - 130	
1,3-Dibromopropane [2C]	1.989	1.741	87.6	30 - 130	Y

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	10/19/12 07:51	Analyzed:	10/20/12 06:34
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.869	94.0	30 - 130	
1,3-Dibromopropane [2C]	1.989	1.861	93.6	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J12015-BS1	File ID:	029F0101.D
Sampled:		Prepared:		Analyzed:	10/13/12 02:07
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J12015	Sequence:	2J29304	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.4721**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.747	87.8	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J12015-BS1	File ID:	029R0101.D
Sampled:		Prepared:		Analyzed:	10/13/12 02:07
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J12015	Sequence:	2J29304	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.4869**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.663	83.6	30 - 130	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J12015-BSD1	File ID:	030F0101.D
Sampled:		Prepared:		Analyzed:	10/13/12 02:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J12015	Sequence:	2J29304	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.4605**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.786	89.8	30 - 130	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J12015-BSD1	File ID:	030R0101.D
Sampled:		Prepared:		Analyzed:	10/13/12 02:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J12015	Sequence:	2J29304	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.4771**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.708	85.9	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	10/16/12 17:34
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.4698**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.826	91.8	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	10/16/12 17:34
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.4373**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.556	78.2	30 - 130	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-MS2	File ID:	015F0101.D
Sampled:		Prepared:		Analyzed:	10/16/12 21:29
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.5721**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.626	81.7	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-MS2	File ID:	015R0101.D
Sampled:		Prepared:		Analyzed:	10/16/12 21:29
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.5900**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.443	72.6	30 - 130	Y

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-MSD2	File ID:	016F0101.D
Sampled:		Prepared:		Analyzed:	10/16/12 21:51
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.5443**	0.00943	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.876	1.549	82.5	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J16019-MSD2	File ID:	016R0101.D
Sampled:		Prepared:		Analyzed:	10/16/12 21:51
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J16019	Sequence:	2J29709	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.5658**	0.00943	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.876	1.389	74.0	30 - 130	Y

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 06:55
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.5081**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.967	98.9	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 06:55
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.5583**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.935	97.3	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-MS1	File ID:	008F0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 08:21
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.5857**	0.00946	0.0189	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.881	1.804	95.9	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-MS1	File ID:	008R0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 08:21
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.6260**	0.00946	0.0189	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.881	1.714	91.1	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2J19010-MSD1
File ID: 009F0101.D
Sampled:
Prepared:
Analyzed: 10/20/12 08:42
Solids:
Preparation: EDB
Dilution:
Batch: 2J19010
Sequence: 2J29807
Calibration: 2292002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.5475**	0.00943	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.875	1.844	98.4	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-MSD1	File ID:	009R0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 08:42
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.5668**	0.00943	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.875	1.743	93.0	30 - 130	

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29206	Instrument:	GL-ECD2
Calibration:	2292002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12J0351	EDB ICAL 1 (0.02ppb)	2J29206-CAL1	004R0101.D	10/11/12 16:10
12J0351	EDB ICAL 1 (0.02ppb)	2J29206-CAL1	004F0101.D	10/11/12 16:10
12J0352	EDB ICAL 2 (0.05ppb)	2J29206-CAL2	005R0101.D	10/11/12 16:31
12J0352	EDB ICAL 2 (0.05ppb)	2J29206-CAL2	005F0101.D	10/11/12 16:31
12J0353	EDB ICAL 3 (0.10ppb)	2J29206-CAL3	006R0101.D	10/11/12 16:53
12J0353	EDB ICAL 3 (0.10ppb)	2J29206-CAL3	006F0101.D	10/11/12 16:53
12J0354	EDB ICAL 4 (0.20ppb)	2J29206-CAL4	007R0101.D	10/11/12 17:14
12J0354	EDB ICAL 4 (0.20ppb)	2J29206-CAL4	007F0101.D	10/11/12 17:14
12J0355	EDB ICAL 5 (0.5ppb)	2J29206-CAL5	008R0101.D	10/11/12 17:35
12J0355	EDB ICAL 5 (0.5ppb)	2J29206-CAL5	008F0101.D	10/11/12 17:35
12J0356	EDB ICAL 6 (1.0ppb)	2J29206-CAL6	009R0101.D	10/11/12 17:56
12J0356	EDB ICAL 6 (1.0ppb)	2J29206-CAL6	009F0101.D	10/11/12 17:56

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29206	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29206-CAL1	004R0101.D	10/11/12 16:10
Cal Standard	2J29206-CAL1	004F0101.D	10/11/12 16:10
Cal Standard	2J29206-CAL2	005R0101.D	10/11/12 16:31
Cal Standard	2J29206-CAL2	005F0101.D	10/11/12 16:31
Cal Standard	2J29206-CAL3	006R0101.D	10/11/12 16:53
Cal Standard	2J29206-CAL3	006F0101.D	10/11/12 16:53
Cal Standard	2J29206-CAL4	007R0101.D	10/11/12 17:14
Cal Standard	2J29206-CAL4	007F0101.D	10/11/12 17:14
Cal Standard	2J29206-CAL5	008R0101.D	10/11/12 17:35
Cal Standard	2J29206-CAL5	008F0101.D	10/11/12 17:35
Cal Standard	2J29206-CAL6	009R0101.D	10/11/12 17:56
Cal Standard	2J29206-CAL6	009F0101.D	10/11/12 17:56
Initial Cal Check	2J29206-ICV1	010R0101.D	10/11/12 18:18
Initial Cal Check	2J29206-ICV1	010F0101.D	10/11/12 18:18

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29304	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29304-CCV1	002R0101.D	10/12/12 16:37
Calibration Check	2J29304-CCV1	002F0101.D	10/12/12 16:37
Calibration Check	2J29304-CCV3	027R0101.D	10/13/12 01:24
Calibration Check	2J29304-CCV3	027F0101.D	10/13/12 01:24
Blank	2J12015-BLK1	028R0101.D	10/13/12 01:46
Blank	2J12015-BLK1	028F0101.D	10/13/12 01:46
LCS	2J12015-BS1	029R0101.D	10/13/12 02:07
LCS	2J12015-BS1	029F0101.D	10/13/12 02:07
LCS Dup	2J12015-BSD1	030R0101.D	10/13/12 02:28
LCS Dup	2J12015-BSD1	030F0101.D	10/13/12 02:28
GW0747	1210102-01	033F0101.D	10/13/12 03:31
GW0747	1210102-01	033R0101.D	10/13/12 03:31
GW0753	1210102-03	034F0101.D	10/13/12 03:52
GW0753	1210102-03	034R0101.D	10/13/12 03:52
GW0769	1210102-05	035R0101.D	10/13/12 04:13
GW0769	1210102-05	035F0101.D	10/13/12 04:13
GW0770	1210102-07	036F0101.D	10/13/12 04:34
GW0770	1210102-07	036R0101.D	10/13/12 04:34
GW0771	1210102-09	037R0101.D	10/13/12 04:55
GW0771	1210102-09	037F0101.D	10/13/12 04:55
GW0778	1210102-11	038R0101.D	10/13/12 05:16
GW0778	1210102-11	038F0101.D	10/13/12 05:16
GW0782	1210102-13	039F0101.D	10/13/12 05:37
GW0782	1210102-13	039R0101.D	10/13/12 05:37
GW0783	1210102-15	040R0101.D	10/13/12 05:58
GW0783	1210102-15	040F0101.D	10/13/12 05:58
Calibration Check	2J29304-CCV4	041R0101.D	10/13/12 06:19
Calibration Check	2J29304-CCV4	041F0101.D	10/13/12 06:19
GW0784	1210102-17	042R0101.D	10/13/12 06:41
GW0784	1210102-17	042F0101.D	10/13/12 06:41
GW0785	1210102-19	043R0101.D	10/13/12 07:02
GW0785	1210102-19	043F0101.D	10/13/12 07:02

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29304	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0795	1210102-21	044F0101.D	10/13/12 07:24
GW0795	1210102-21	044R0101.D	10/13/12 07:24
GW0796	1210102-23	045F0101.D	10/13/12 07:45
GW0796	1210102-23	045R0101.D	10/13/12 07:45
GW0797	1210102-25	046F0101.D	10/13/12 08:06
GW0797	1210102-25	046R0101.D	10/13/12 08:06
GW0798	1210102-27	047F0101.D	10/13/12 08:28
GW0798	1210102-27	047R0101.D	10/13/12 08:28
Calibration Check	2J29304-CCV5	048R0101.D	10/13/12 08:49
Calibration Check	2J29304-CCV5	048F0101.D	10/13/12 08:49

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29709	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29709-CCV1	002R0101.D	10/16/12 16:52
Calibration Check	2J29709-CCV1	002F0101.D	10/16/12 16:52
Blank	2J16019-BLK1	003R0101.D	10/16/12 17:13
Blank	2J16019-BLK1	003F0101.D	10/16/12 17:13
LCS	2J16019-BS1	004R0101.D	10/16/12 17:34
LCS	2J16019-BS1	004F0101.D	10/16/12 17:34
GW0846	1210135-13	011R0101.D	10/16/12 20:04
GW0846	1210135-13	011F0101.D	10/16/12 20:04
GW0847	1210135-15	012F0101.D	10/16/12 20:25
GW0847	1210135-15	012R0101.D	10/16/12 20:25
GW0868	1210135-17	013R0101.D	10/16/12 20:46
GW0868	1210135-17	013F0101.D	10/16/12 20:46
GW0869	1210135-19	014R0101.D	10/16/12 21:08
GW0869	1210135-19	014F0101.D	10/16/12 21:08
GW0869	2J16019-MS2	015R0101.D	10/16/12 21:29
GW0869	2J16019-MS2	015F0101.D	10/16/12 21:29
GW0869	2J16019-MSD2	016F0101.D	10/16/12 21:51
GW0869	2J16019-MSD2	016R0101.D	10/16/12 21:51
GW0870	1210135-21	017R0101.D	10/16/12 22:12
GW0870	1210135-21	017F0101.D	10/16/12 22:12
Calibration Check	2J29709-CCV2	019R0101.D	10/16/12 22:55
Calibration Check	2J29709-CCV2	019F0101.D	10/16/12 22:55

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29807	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29807-CCV1	002R0101.D	10/20/12 06:12
Calibration Check	2J29807-CCV1	002F0101.D	10/20/12 06:12
Blank	2J19010-BLK1	003R0101.D	10/20/12 06:34
Blank	2J19010-BLK1	003F0101.D	10/20/12 06:34
LCS	2J19010-BS1	004R0101.D	10/20/12 06:55
LCS	2J19010-BS1	004F0101.D	10/20/12 06:55
GW0767	1210135-01	005R0101.D	10/20/12 07:17
GW0767	1210135-01	005F0101.D	10/20/12 07:17
GW0793	1210135-05	007F0101.D	10/20/12 07:59
GW0793	1210135-05	007R0101.D	10/20/12 07:59
GW0793	2J19010-MS1	008R0101.D	10/20/12 08:21
GW0793	2J19010-MS1	008F0101.D	10/20/12 08:21
GW0793	2J19010-MSD1	009F0101.D	10/20/12 08:42
GW0793	2J19010-MSD1	009R0101.D	10/20/12 08:42
GW0794	1210135-07	010R0101.D	10/20/12 09:04
GW0794	1210135-07	010F0101.D	10/20/12 09:04
GW0844	1210135-09	011R0101.D	10/20/12 09:25
GW0844	1210135-09	011F0101.D	10/20/12 09:25
GW0845	1210135-11	012R0101.D	10/20/12 09:47
GW0845	1210135-11	012F0101.D	10/20/12 09:47
Calibration Check	2J29807-CCV2	017R0101.D	10/20/12 11:35
Calibration Check	2J29807-CCV2	017F0101.D	10/20/12 11:35

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30203	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J30203-CCV1	002R0101.D	10/24/12 15:50
Calibration Check	2J30203-CCV1	002F0101.D	10/24/12 15:50
GW0768	1210135-03RE1	005R0101.D	10/24/12 16:54
GW0768	1210135-03RE1	005F0101.D	10/24/12 16:54
Calibration Check	2J30203-CCV2	019R0101.D	10/24/12 21:52
Calibration Check	2J30203-CCV2	019F0101.D	10/24/12 21:52

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2292002	Instrument:	GL-ECD2
Matrix:	Water	Calibration Dates:	10/11/12 16:10 10/11/12 17:56

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	10650	0.05	10860	0.1	10660	0.2	9475	0.5	9386	1	8356
1,2-Dibromoethane [2C]	0.02	31550	0.05	34320	0.1	34660	0.2	32510	0.5	31110	1	30406
1,2-Dibromo-3-chloropropane	0.02	22600	0.05	20080	0.1	19070	0.2	16850	0.5	15220	1	13344
1,2-Dibromo-3-chloropropane [2C]	0.02	68550	0.05	63880	0.1	59900	0.2	56300	0.5	56304	1	53927
1,3-Dibromopropane	0.09944	6244.972	0.1989	~~2885.872~~	0.4972	6391.794	0.9944	5737.128	1.989	5078.431	3.978	4436.4
1,3-Dibromopropane [2C]	0.09944	26739.74	0.1989	~~12227.25~~	0.4972	24656.07	0.9944	22013.27	1.989	19895.93	3.978	17722.72

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2292002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	10/11/12 16:10	10/11/12 17:56

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	9897.833	9.991906	2.694	0.0551041			20	
1,2-Dibromoethane [2C]	32426	5.370791	2.66	1.685277E-02			20	
1,2-Dibromo-3-chloropropane	17860.67	18.94447	8.78	1.335599E-02			20	
1,2-Dibromo-3-chloropropane [2C]	59810.17	9.224062	9.119333	2.295245E-02			20	
1,3-Dibromopropane	5577.745	14.68939	6.0154	2.089261E-02			20	
1,3-Dibromopropane [2C]	22205.55	16.242	6.0692	2.971043E-02			20	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	010F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29206	Injection Date:	10/11/12
Lab Sample ID:	2J29206-ICV1	Injection Time:	18:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4839	9897.833	9580		-3.2	20
1,2-Dibromoethane [2C]	A	0.5000	0.4886	32426	31684		-2.3	20
1,3-Dibromopropane	A	1.989	1.779	5577.745	4989.945		-10.5	20
1,3-Dibromopropane [2C]	A	1.989	1.741	22205.55	19441.43		-12.4	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29304	Injection Date:	10/12/12
Lab Sample ID:	2J29304-CCV1	Injection Time:	16:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5174	9897.833	10242		3.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.5537	32426	35910		10.7	20
1,3-Dibromopropane	A	1.989	2.034	5577.745	5705.882		2.3	20
1,3-Dibromopropane [2C]	A	1.989	2.069	22205.55	23097.03		4.0	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	027F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29304	Injection Date:	10/13/12
Lab Sample ID:	2J29304-CCV3	Injection Time:	01:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4276	9897.833	8464		-14.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4491	32426	29124		-10.2	20
1,3-Dibromopropane	A	1.989	1.769	5577.745	4961.287		-11.1	20
1,3-Dibromopropane [2C]	A	1.989	1.694	22205.55	18916.54		-14.8	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	041F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29304	Injection Date:	10/13/12
Lab Sample ID:	2J29304-CCV4	Injection Time:	06:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5251	9897.833	10394		5.0	20
1,2-Dibromoethane [2C]	A	0.5000	0.5439	32426	35274		8.8	20
1,3-Dibromopropane	A	1.989	2.040	5577.745	5721.971		2.6	20
1,3-Dibromopropane [2C]	A	1.989	1.929	22205.55	21537.96		-3.0	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	048F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29304	Injection Date:	10/13/12
Lab Sample ID:	2J29304-CCV5	Injection Time:	08:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4879	9897.833	9658		-2.4	20
1,2-Dibromoethane [2C]	A	0.5000	0.4991	32426	32370		-0.2	20
1,3-Dibromopropane	A	1.989	1.987	5577.745	5573.655		-0.07	20
1,3-Dibromopropane [2C]	A	1.989	1.857	22205.55	20731.02		-6.6	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29709	Injection Date:	10/16/12
Lab Sample ID:	2J29709-CCV1	Injection Time:	16:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4470	9897.833	8848		-10.6	20
1,2-Dibromoethane [2C]	A	0.5000	0.4549	32426	29504		-9.0	20
1,3-Dibromopropane	A	1.989	1.652	5577.745	4631.473		-17.0	20
1,3-Dibromopropane [2C]	A	1.989	1.534	22205.55	17124.69		-22.9	20 *

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	019F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29709	Injection Date:	10/16/12
Lab Sample ID:	2J29709-CCV2	Injection Time:	22:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4501	9897.833	8910		-10.0	20
1,2-Dibromoethane [2C]	A	0.5000	0.4559	32426	29568		-8.8	20
1,3-Dibromopropane	A	1.989	1.761	5577.745	4938.16		-11.5	20
1,3-Dibromopropane [2C]	A	1.989	1.592	22205.55	17779.29		-19.9	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29807	Injection Date:	10/20/12
Lab Sample ID:	2J29807-CCV1	Injection Time:	06:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5354	9897.833	10598		7.1	20
1,2-Dibromoethane [2C]	A	0.5000	0.5949	32426	38582		19.0	20
1,3-Dibromopropane	A	1.989	2.035	5577.745	5706.385		2.3	20
1,3-Dibromopropane [2C]	A	1.989	1.985	22205.55	22159.88		-0.2	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	017F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29807	Injection Date:	10/20/12
Lab Sample ID:	2J29807-CCV2	Injection Time:	11:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4665	9897.833	9234		-6.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.4884	32426	31674		-2.3	20
1,3-Dibromopropane	A	1.989	1.792	5577.745	5026.144		-9.9	20
1,3-Dibromopropane [2C]	A	1.989	1.648	22205.55	18397.69		-17.1	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J30203	Injection Date:	10/24/12
Lab Sample ID:	2J30203-CCV1	Injection Time:	15:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4899	9897.833	9698		-2.0	20
1,2-Dibromoethane [2C]	A	0.5000	0.4965	32426	32198		-0.7	20
1,3-Dibromopropane	A	1.989	1.997	5577.745	5601.307		0.4	20
1,3-Dibromopropane [2C]	A	1.989	1.746	22205.55	19495.22		-12.2	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	019F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J30203	Injection Date:	10/24/12
Lab Sample ID:	2J30203-CCV2	Injection Time:	21:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4033	9897.833	7984		-19.3	20
1,2-Dibromoethane [2C]	A	0.5000	0.4376	32426	28380		-12.5	20
1,3-Dibromopropane	A	1.989	1.668	5577.745	4677.728		-16.1	20
1,3-Dibromopropane [2C]	A	1.989	1.652	22205.55	18438.41		-17.0	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0769

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210102-05 Date(s) Analyzed: 10/13/2012 10/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.66	2.72	0.226	
	2	2.67	2.63	2.69	0.263	15

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0770

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210102-07 Date(s) Analyzed: 10/13/2012 10/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.66	2.72	0.223	
	2	2.67	2.63	2.69	0.249	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0771

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210102-09 Date(s) Analyzed: 10/13/2012 10/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.66	2.72	0.114	
	2	2.67	2.63	2.69	0.142	22

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J12015-BS1 Date(s) Analyzed: 10/13/2012 10/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.66	2.72	0.4721	
	2	2.67	2.63	2.69	0.4869	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J12015-BSD1 Date(s) Analyzed: 10/13/2012 10/13/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.66	2.72	0.4605	
	2	2.67	2.63	2.69	0.4771	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0846

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-13 Date(s) Analyzed: 10/16/2012 10/16/2012

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	2.70	2.66	2.72	0.206	
	2	2.66	2.63	2.69	0.203	2

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0868

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-17

Date(s) Analyzed: 10/16/2012 10/16/2012

Instrument ID (1): GL-ECD2A

Instrument ID (2): GL-ECD2B

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.66	2.66	2.72	0.0140	
	2	2.66	2.63	2.69	0.0625	127

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0869

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-19 Date(s) Analyzed: 10/16/2012 10/16/2012

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	2.70	2.66	2.72	0.175	
	2	2.66	2.63	2.69	0.168	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J16019-BS1 Date(s) Analyzed: 10/16/2012 10/16/2012

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	2.70	2.66	2.72	0.4698	
	2	2.66	2.63	2.69	0.4373	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J16019-MS2 Date(s) Analyzed: 10/16/2012 10/16/2012

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	2.69	2.66	2.72	0.5721	
	2	2.66	2.63	2.69	0.5900	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J16019-MSD2 Date(s) Analyzed: 10/16/2012 10/16/2012

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	2.70	2.66	2.72	0.5443	
	2	2.66	2.63	2.69	0.5658	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0768

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-03RE1 Date(s) Analyzed: 10/24/2012 10/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	1.01	
	2	2.66	2.63	2.69	1.02	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0793

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-05 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.66	2.72	0.177	
	2	2.66	2.63	2.69	0.200	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0844

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-09 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	0.212	
	2	2.66	2.63	2.69	0.215	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0845

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210135-11

Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	0.206	
	2	2.66	2.63	2.69	0.208	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J19010-BS1 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	0.5081	
	2	2.66	2.63	2.69	0.5583	9

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J19010-MS1 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	0.5857	
	2	2.66	2.63	2.69	0.6260	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J19010-MSD1 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	0.5475	
	2	2.66	2.63	2.69	0.5668	3

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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
GW0747	10/09/12 08:45	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 03:31	3.78	14.00	
GW0753	10/09/12 14:44	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 03:52	3.55	14.00	
GW0769	10/09/12 15:03	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 04:13	3.55	14.00	
GW0770	10/09/12 15:03	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 04:34	3.56	14.00	
GW0771	10/09/12 11:05	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 04:55	3.74	14.00	
GW0778	10/09/12 11:20	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 05:16	3.75	14.00	
GW0782	10/08/12 15:26	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 05:37	4.59	14.00	
GW0783	10/08/12 13:03	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 05:58	4.70	14.00	
GW0784	10/08/12 13:03	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 06:41	4.73	14.00	
GW0785	10/08/12 10:58	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 07:02	4.84	14.00	
GW0795	10/08/12 15:23	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 07:24	4.67	14.00	
GW0796	10/08/12 13:25	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 07:45	4.76	14.00	
GW0797	10/08/12 13:25	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 08:06	4.78	14.00	
GW0798	10/08/12 11:18	10/10/12 08:30	10/12/12 09:22	N/A	14.00	10/13/12 08:28	4.88	14.00	
GW0767	10/11/12 14:36	10/12/12 08:35	10/19/12 07:51	N/A	14.00	10/20/12 07:17	8.65	14.00	
GW0768	10/11/12 11:32	10/12/12 08:35	10/24/12 16:54	N/A	14.00	10/24/12 16:54	13.18	14.00	
GW0793	10/10/12 14:45	10/12/12 08:35	10/19/12 07:51	N/A	14.00	10/20/12 07:59	9.68	14.00	
GW0794	10/10/12 12:16	10/12/12 08:35	10/19/12 07:51	N/A	14.00	10/20/12 09:04	9.83	14.00	
GW0844	10/11/12 15:52	10/12/12 08:35	10/19/12 07:51	N/A	14.00	10/20/12 09:25	8.69	14.00	
GW0845	10/11/12 13:54	10/12/12 08:35	10/19/12 07:51	N/A	14.00	10/20/12 09:47	8.79	14.00	
GW0846	10/11/12 13:54	10/12/12 08:35	10/16/12 13:17	N/A	14.00	10/16/12 20:04	5.22	14.00	
GW0847	10/11/12 11:53	10/12/12 08:35	10/16/12 13:17	N/A	14.00	10/16/12 20:25	5.31	14.00	
GW0868	10/11/12 12:44	10/12/12 08:35	10/16/12 13:17	N/A	14.00	10/16/12 20:46	5.29	14.00	
GW0869	10/10/12 15:16	10/12/12 08:35	10/16/12 13:17	N/A	14.00	10/16/12 21:08	6.20	14.00	

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

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
GW0870	10/10/12 10:21	10/12/12 08:35	10/16/12 13:17	N/A	14.00	10/16/12 22:12	6.45	14.00	

SW8015B (DRO)
Forms

Sample Extraction Data

Prep Method: EXT_3510-SW8015B DRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-03 [GW0753]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-05 [GW0769]	2J15003	1,000.00/1.00	1010	1.00	1.00		10/15/12
1210102-07 [GW0770]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-09 [GW0771]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-11 [GW0778]	2J15003	1,000.00/1.00	1050	1.00	1.00		10/15/12
1210102-13 [GW0782]	2J15003	1,000.00/1.00	1050	1.00	1.00		10/15/12
1210102-15 [GW0783]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-17 [GW0784]	2J15003	1,000.00/1.00	1040	1.00	1.00		10/15/12
1210102-19 [GW0785]	2J15003	1,000.00/1.00	1050	1.00	1.00		10/15/12
1210102-21 [GW0795]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-23 [GW0796]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-25 [GW0797]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210102-27 [GW0798]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210135-01 [GW0767]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210135-03 [GW0768]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210135-05 [GW0793]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210135-07 [GW0794]	2J15003	1,000.00/1.00	1000	1.00	1.00		10/15/12
1210135-09 [GW0844]	2J15003	1,000.00/1.00	1030	1.00	1.00		10/15/12

Sample Extraction Data

Prep Method: EXT_3510-SW8015B DRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-11 [GW0845]	2J17008	1,000.00/1.00	1080	1.00	1.00		10/17/12
1210135-13 [GW0846]	2J17008	1,000.00/1.00	1060	1.00	1.00		10/17/12
1210135-15 [GW0847]	2J17008	1,000.00/1.00	1070	1.00	1.00		10/17/12
1210135-17 [GW0868]	2J17008	1,000.00/1.00	1070	1.00	1.00		10/17/12
1210135-19 [GW0869]	2J17008	1,000.00/1.00	1080	1.00	1.00		10/17/12
1210135-21 [GW0870]	2J17008	1,000.00/1.00	1040	1.00	1.00		10/17/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	013F1301.D
Sampled:	10/09/12 08:45	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 20:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01585	79.3	30 - 140	

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	014F1401.D
Sampled:	10/09/12 14:44	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 20:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01700	85.0	30 - 140	

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	015F1501.D
Sampled:	10/09/12 15:03	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 21:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**1.24**	0.0990	0.198	0.396	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01558	78.7	30 - 140	

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	016F1601.D
Sampled:	10/09/12 15:03	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 21:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**1.55**	0.100	0.200	0.400	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01858	92.9	30 - 140	

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	017F1701.D
Sampled:	10/09/12 11:05	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 22:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01607	80.4	30 - 140	

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	018F1801.D
Sampled:	10/09/12 11:20	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 22:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.190	0.381	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01544	81.1	30 - 140	

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	019F1901.D
Sampled:	10/08/12 15:26	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 23:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.190	0.381	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01927	101	30 - 140	

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	020F2001.D
Sampled:	10/08/12 13:03	Prepared:	10/15/12 09:20	Analyzed:	10/15/12 23:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02043	102	30 - 140	

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	021F2101.D
Sampled:	10/08/12 13:03	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 00:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01521	79.1	30 - 140	

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	022F2201.D
Sampled:	10/08/12 10:58	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 00:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.190	0.381	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01671	87.7	30 - 140	

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	024F2401.D
Sampled:	10/08/12 15:23	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 02:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01313	65.7	30 - 140	

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	025F2501.D
Sampled:	10/08/12 13:25	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 02:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01663	83.2	30 - 140	

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	026F2601.D
Sampled:	10/08/12 13:25	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 03:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01597	79.8	30 - 140	

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	027F2701.D
Sampled:	10/08/12 11:18	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 03:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01120	56.0	30 - 140	

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	029F2901.D
Sampled:	10/11/12 14:36	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 04:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01840	92.0	30 - 140	

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03	File ID:	030F3201.D
Sampled:	10/11/12 11:32	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 06:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.403**	0.100	0.200	0.400	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02114	106	30 - 140	

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	031F3301.D
Sampled:	10/10/12 14:45	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 07:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01762	88.1	30 - 140	

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	034F3401.D
Sampled:	10/10/12 12:16	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 07:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02162	108	30 - 140	

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	035F3501.D
Sampled:	10/11/12 15:52	Prepared:	10/15/12 09:20	Analyzed:	10/16/12 08:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0971	0.194	0.388	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01942	0.01930	99.4	30 - 140	

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	009F0901.D
Sampled:	10/11/12 13:54	Prepared:	10/17/12 09:00	Analyzed:	10/19/12 02:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01521	82.1	30 - 140	Y

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	010F1001.D
Sampled:	10/11/12 13:54	Prepared:	10/17/12 09:00	Analyzed:	10/19/12 02:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01542	81.7	30 - 140	Y

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	011F1101.D
Sampled:	10/11/12 11:53	Prepared:	10/17/12 09:00	Analyzed:	10/19/12 03:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01336	71.5	30 - 140	Y

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	012F1201.D
Sampled:	10/11/12 12:44	Prepared:	10/17/12 09:00	Analyzed:	10/19/12 03:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01409	75.4	30 - 140	Y

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	013F1301.D
Sampled:	10/10/12 15:16	Prepared:	10/17/12 09:00	Analyzed:	10/19/12 04:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01691	91.3	30 - 140	Y

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	016F1601.D
Sampled:	10/10/12 10:21	Prepared:	10/17/12 09:00	Analyzed:	10/19/12 06:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 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

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01353	70.4	30 - 140	Y

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29403	Instrument:	GL-GCFID2
		Calibration:	2278001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29403-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 10/15/12 14:27		
o-Terphenyl	50.00	99.7	80 - 120	11.113	11.113	0.0000	+/-0.050	
Calibration Check (2J29403-CCV2) mg/L				Lab File ID: 010F1001.D		Analyzed: 10/15/12 18:20		
o-Terphenyl	50.00	105	80 - 120	11.1	11.113	-0.0130	+/-0.050	
Blank (2J15003-BLK1) mg/L				Lab File ID: 011F1101.D		Analyzed: 10/15/12 18:54		
o-Terphenyl	0.02000	92.3	30 - 140	11.15	11.113	0.0370	+/-0.050	
LCS (2J15003-BS1) mg/L				Lab File ID: 012F1201.D		Analyzed: 10/15/12 19:27		
o-Terphenyl	0.02000	94.4	30 - 140	11.08	11.113	-0.0330	+/-0.050	
GW0747 (1210102-01) mg/L				Lab File ID: 013F1301.D		Analyzed: 10/15/12 20:00		
o-Terphenyl	0.02000	79.3	30 - 140	11.13	11.113	0.0170	+/-0.050	
GW0753 (1210102-03) mg/L				Lab File ID: 014F1401.D		Analyzed: 10/15/12 20:33		
o-Terphenyl	0.02000	85.0	30 - 140	11.126	11.113	0.0130	+/-0.050	
GW0769 (1210102-05) mg/L				Lab File ID: 015F1501.D		Analyzed: 10/15/12 21:06		
o-Terphenyl	0.01980	78.7	30 - 140	11.09	11.113	-0.0230	+/-0.050	
GW0770 (1210102-07) mg/L				Lab File ID: 016F1601.D		Analyzed: 10/15/12 21:40		
o-Terphenyl	0.02000	92.9	30 - 140	11.09	11.113	-0.0230	+/-0.050	
GW0771 (1210102-09) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/15/12 22:13		
o-Terphenyl	0.02000	80.4	30 - 140	11.136	11.113	0.0230	+/-0.050	
GW0778 (1210102-11) mg/L				Lab File ID: 018F1801.D		Analyzed: 10/15/12 22:46		
o-Terphenyl	0.01905	81.1	30 - 140	11.133	11.113	0.0200	+/-0.050	
GW0782 (1210102-13) mg/L				Lab File ID: 019F1901.D		Analyzed: 10/15/12 23:19		
o-Terphenyl	0.01905	101	30 - 140	11.133	11.113	0.0200	+/-0.050	
GW0783 (1210102-15) mg/L				Lab File ID: 020F2001.D		Analyzed: 10/15/12 23:52		
o-Terphenyl	0.02000	102	30 - 140	11.143	11.113	0.0300	+/-0.050	
GW0784 (1210102-17) mg/L				Lab File ID: 021F2101.D		Analyzed: 10/16/12 00:25		
o-Terphenyl	0.01923	79.1	30 - 140	11.146	11.113	0.0330	+/-0.050	
GW0785 (1210102-19) mg/L				Lab File ID: 022F2201.D		Analyzed: 10/16/12 00:59		
o-Terphenyl	0.01905	87.7	30 - 140	11.156	11.113	0.0430	+/-0.050	
Calibration Check (2J29403-CCV3) mg/L				Lab File ID: 023F2301.D		Analyzed: 10/16/12 01:32		
o-Terphenyl	50.00	104	80 - 120	11.093	11.113	-0.0200	+/-0.050	
GW0795 (1210102-21) mg/L				Lab File ID: 024F2401.D		Analyzed: 10/16/12 02:05		
o-Terphenyl	0.02000	65.7	30 - 140	11.196	11.113	0.0830	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29403	Instrument:	GL-GCFID2
		Calibration:	2278001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0796 (1210102-23) mg/L				Lab File ID: 025F2501.D		Analyzed: 10/16/12 02:38		
o-Terphenyl	0.02000	83.2	30 - 140	11.18	11.113	0.0670	+/-0.050	*
GW0797 (1210102-25) mg/L				Lab File ID: 026F2601.D		Analyzed: 10/16/12 03:11		
o-Terphenyl	0.02000	79.8	30 - 140	11.19	11.113	0.0770	+/-0.050	*
GW0798 (1210102-27) mg/L				Lab File ID: 027F2701.D		Analyzed: 10/16/12 03:44		
o-Terphenyl	0.02000	56.0	30 - 140	11.203	11.113	0.0900	+/-0.050	*
GW0767 (1210135-01) mg/L				Lab File ID: 029F2901.D		Analyzed: 10/16/12 04:51		
o-Terphenyl	0.02000	92.0	30 - 140	11.156	11.113	0.0430	+/-0.050	
Matrix Spike (2J15003-MS1) mg/L				Lab File ID: 032F3001.D		Analyzed: 10/16/12 05:24		
o-Terphenyl	0.02000	74.8	30 - 140	11.106	11.113	-0.0070	+/-0.050	
Matrix Spike Dup (2J15003-MSD1) mg/L				Lab File ID: 033F3101.D		Analyzed: 10/16/12 05:57		
o-Terphenyl	0.02000	80.2	30 - 140	11.096	11.113	-0.0170	+/-0.050	
GW0768 (1210135-03) mg/L				Lab File ID: 030F3201.D		Analyzed: 10/16/12 06:30		
o-Terphenyl	0.02000	106	30 - 140	11.123	11.113	0.0100	+/-0.050	
GW0793 (1210135-05) mg/L				Lab File ID: 031F3301.D		Analyzed: 10/16/12 07:04		
o-Terphenyl	0.02000	88.1	30 - 140	11.16	11.113	0.0470	+/-0.050	
GW0794 (1210135-07) mg/L				Lab File ID: 034F3401.D		Analyzed: 10/16/12 07:37		
o-Terphenyl	0.02000	108	30 - 140	11.17	11.113	0.0570	+/-0.050	*
GW0844 (1210135-09) mg/L				Lab File ID: 035F3501.D		Analyzed: 10/16/12 08:10		
o-Terphenyl	0.01942	99.4	30 - 140	11.166	11.113	0.0530	+/-0.050	*
Calibration Check (2J29403-CCV4) mg/L				Lab File ID: 036F3601.D		Analyzed: 10/16/12 08:43		
o-Terphenyl	50.00	89.7	80 - 120	11.116	11.113	0.0030	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29607	Instrument:	GL-GCFID2
		Calibration:	2278001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29607-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 10/18/12 22:47		
o-Terphenyl	50.00	77.3	80 - 120	11.1	11.1	0.0000	+/-0.050	*
Blank (2J17008-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 10/18/12 23:20		
o-Terphenyl	0.02000	63.4	30 - 140	11.226	11.1	0.1260	+/-0.050	*
LCS (2J17008-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 10/18/12 23:53		
o-Terphenyl	0.02000	61.1	30 - 140	11.093	11.1	-0.0070	+/-0.050	
GW0845 (1210135-11) mg/L				Lab File ID: 009F0901.D		Analyzed: 10/19/12 02:07		
o-Terphenyl	0.01852	82.1	30 - 140	11.196	11.1	0.0960	+/-0.050	*
GW0846 (1210135-13) mg/L				Lab File ID: 010F1001.D		Analyzed: 10/19/12 02:40		
o-Terphenyl	0.01887	81.7	30 - 140	11.2	11.1	0.1000	+/-0.050	*
GW0847 (1210135-15) mg/L				Lab File ID: 011F1101.D		Analyzed: 10/19/12 03:13		
o-Terphenyl	0.01869	71.5	30 - 140	11.203	11.1	0.1030	+/-0.050	*
GW0868 (1210135-17) mg/L				Lab File ID: 012F1201.D		Analyzed: 10/19/12 03:47		
o-Terphenyl	0.01869	75.4	30 - 140	11.216	11.1	0.1160	+/-0.050	*
GW0869 (1210135-19) mg/L				Lab File ID: 013F1301.D		Analyzed: 10/19/12 04:20		
o-Terphenyl	0.01852	91.3	30 - 140	11.186	11.1	0.0860	+/-0.050	*
Matrix Spike (2J17008-MS1) mg/L				Lab File ID: 014F1401.D		Analyzed: 10/19/12 04:53		
o-Terphenyl	0.01869	75.0	30 - 140	11.1	11.1	0.0000	+/-0.050	
Matrix Spike Dup (2J17008-MSD1) mg/L				Lab File ID: 015F1501.D		Analyzed: 10/19/12 05:27		
o-Terphenyl	0.01869	68.3	30 - 140	11.106	11.1	0.0060	+/-0.050	
GW0870 (1210135-21) mg/L				Lab File ID: 016F1601.D		Analyzed: 10/19/12 06:00		
o-Terphenyl	0.01923	70.4	30 - 140	11.216	11.1	0.1160	+/-0.050	*
Calibration Check (2J29607-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/19/12 06:34		
o-Terphenyl	50.00	84.9	80 - 120	11.096	11.1	-0.0040	+/-0.050	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J15003	Laboratory ID:	2J15003-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	0.9710	97.1	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17008	Laboratory ID:	2J17008-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	0.6664	66.6	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J15003

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	ND	0.8418	84.2		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)	1.000	0.9090	90.9	7.67		30	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J17008

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9346	ND	0.7560	80.9		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9346	0.7045	75.4	7.05		30	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J15003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/15/12 09:20	1,000.00	1.00
GW0753	1210102-03	10/15/12 09:20	1,000.00	1.00
GW0769	1210102-05	10/15/12 09:20	1,010.00	1.00
GW0770	1210102-07	10/15/12 09:20	1,000.00	1.00
GW0771	1210102-09	10/15/12 09:20	1,000.00	1.00
GW0778	1210102-11	10/15/12 09:20	1,050.00	1.00
GW0782	1210102-13	10/15/12 09:20	1,050.00	1.00
GW0783	1210102-15	10/15/12 09:20	1,000.00	1.00
GW0784	1210102-17	10/15/12 09:20	1,040.00	1.00
GW0785	1210102-19	10/15/12 09:20	1,050.00	1.00
GW0795	1210102-21	10/15/12 09:20	1,000.00	1.00
GW0796	1210102-23	10/15/12 09:20	1,000.00	1.00
GW0797	1210102-25	10/15/12 09:20	1,000.00	1.00
GW0798	1210102-27	10/15/12 09:20	1,000.00	1.00
GW0767	1210135-01	10/15/12 09:20	1,000.00	1.00
GW0768	1210135-03	10/15/12 09:20	1,000.00	1.00
GW0793	1210135-05	10/15/12 09:20	1,000.00	1.00
GW0794	1210135-07	10/15/12 09:20	1,000.00	1.00
GW0844	1210135-09	10/15/12 09:20	1,030.00	1.00
Blank	2J15003-BLK1	10/15/12 09:20	1,000.00	1.00
LCS	2J15003-BS1	10/15/12 09:20	1,000.00	1.00
GW0793	2J15003-MS1	10/15/12 09:20	1,000.00	1.00
GW0793	2J15003-MSD1	10/15/12 09:20	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J17008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0845	1210135-11	10/17/12 09:00	1,080.00	1.00
GW0846	1210135-13	10/17/12 09:00	1,060.00	1.00
GW0847	1210135-15	10/17/12 09:00	1,070.00	1.00
GW0868	1210135-17	10/17/12 09:00	1,070.00	1.00
GW0869	1210135-19	10/17/12 09:00	1,080.00	1.00
GW0870	1210135-21	10/17/12 09:00	1,040.00	1.00
Blank	2J17008-BLK1	10/17/12 09:00	1,000.00	1.00
LCS	2J17008-BS1	10/17/12 09:00	1,000.00	1.00
GW0869	2J17008-MS1	10/17/12 09:00	1,070.00	1.00
GW0869	2J17008-MSD1	10/17/12 09:00	1,070.00	1.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J15003-BLK1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	10/15/12 18:54
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J15003	Sequence:	2J29403	Calibration:	2278001	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	0.01846	92.3	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J15003-BS1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	10/15/12 19:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J15003	Sequence:	2J29403	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.9710**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01889	94.4	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J15003-MS1	File ID:	032F3001.D
Sampled:		Prepared:		Analyzed:	10/16/12 05:24
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2J15003 Sequence: 2J29403 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.8418**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01496	74.8	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J15003-MSD1	File ID:	033F3101.D
Sampled:		Prepared:		Analyzed:	10/16/12 05:57
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J15003	Sequence:	2J29403	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.9090**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01605	80.2	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J17008-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	10/18/12 23:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J17008	Sequence:	2J29607	Calibration:	2278001	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	0.01269	63.4	30 - 140	Y

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J17008-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	10/18/12 23:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J17008	Sequence:	2J29607	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.6664**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01222	61.1	30 - 140	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J17008-MS1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	10/19/12 04:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2J17008 Sequence: 2J29607 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.7560**	0.0935	0.187	0.374	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01402	75.0	30 - 140	Y

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J17008-MSD1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	10/19/12 05:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J17008	Sequence:	2J29607	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.7045**	0.0935	0.187	0.374	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01276	68.3	30 - 140	Y

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J27808	Instrument:	GL-GCFID2
Calibration:	2278001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12J0087	DRO/OTP Cal1 (5000/250ppm)	2J27808-CAL1	003F0301.D	10/03/12 13:48
12J0088	DRO/OTP Cal2 (2500/125ppm)	2J27808-CAL2	004F0401.D	10/03/12 14:21
12J0089	DRO/OTP Cal3 (1000/50ppm)	2J27808-CAL3	005F0501.D	10/03/12 14:54
12J0090	DRO/OTP Cal4 (500/25ppm)	2J27808-CAL4	006F0601.D	10/03/12 15:28
12J0091	DRO/OTP Cal5 (250/12.5ppm)	2J27808-CAL5	007F0701.D	10/03/12 16:01
12J0092	DRO/OTP Cal6 (100/5ppm)	2J27808-CAL6	008F0801.D	10/03/12 16:34

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J27808	Instrument:	GL-GCFID2
Calibration:	2278001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J27808-CAL1	003F0301.D	10/03/12 13:48
Cal Standard	2J27808-CAL2	004F0401.D	10/03/12 14:21
Cal Standard	2J27808-CAL3	005F0501.D	10/03/12 14:54
Cal Standard	2J27808-CAL4	006F0601.D	10/03/12 15:28
Cal Standard	2J27808-CAL5	007F0701.D	10/03/12 16:01
Cal Standard	2J27808-CAL6	008F0801.D	10/03/12 16:34
Initial Cal Check	2J27808-ICV1	009F0901.D	10/03/12 17:08

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29403	Instrument:	GL-GCFID2
Calibration:	2278001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29403-CCV1	003F0301.D	10/15/12 14:27
Calibration Check	2J29403-CCV2	010F1001.D	10/15/12 18:20
Blank	2J15003-BLK1	011F1101.D	10/15/12 18:54
LCS	2J15003-BS1	012F1201.D	10/15/12 19:27
GW0747	1210102-01	013F1301.D	10/15/12 20:00
GW0753	1210102-03	014F1401.D	10/15/12 20:33
GW0769	1210102-05	015F1501.D	10/15/12 21:06
GW0770	1210102-07	016F1601.D	10/15/12 21:40
GW0771	1210102-09	017F1701.D	10/15/12 22:13
GW0778	1210102-11	018F1801.D	10/15/12 22:46
GW0782	1210102-13	019F1901.D	10/15/12 23:19
GW0783	1210102-15	020F2001.D	10/15/12 23:52
GW0784	1210102-17	021F2101.D	10/16/12 00:25
GW0785	1210102-19	022F2201.D	10/16/12 00:59
Calibration Check	2J29403-CCV3	023F2301.D	10/16/12 01:32
GW0795	1210102-21	024F2401.D	10/16/12 02:05
GW0796	1210102-23	025F2501.D	10/16/12 02:38
GW0797	1210102-25	026F2601.D	10/16/12 03:11
GW0798	1210102-27	027F2701.D	10/16/12 03:44
GW0767	1210135-01	029F2901.D	10/16/12 04:51
GW0793	2J15003-MS1	032F3001.D	10/16/12 05:24
GW0793	2J15003-MSD1	033F3101.D	10/16/12 05:57
GW0768	1210135-03	030F3201.D	10/16/12 06:30
GW0793	1210135-05	031F3301.D	10/16/12 07:04
GW0794	1210135-07	034F3401.D	10/16/12 07:37
GW0844	1210135-09	035F3501.D	10/16/12 08:10
Calibration Check	2J29403-CCV4	036F3601.D	10/16/12 08:43

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29607	Instrument:	GL-GCFID2
Calibration:	2278001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29607-CCV1	003F0301.D	10/18/12 22:47
Blank	2J17008-BLK1	004F0401.D	10/18/12 23:20
LCS	2J17008-BS1	005F0501.D	10/18/12 23:53
GW0845	1210135-11	009F0901.D	10/19/12 02:07
GW0846	1210135-13	010F1001.D	10/19/12 02:40
GW0847	1210135-15	011F1101.D	10/19/12 03:13
GW0868	1210135-17	012F1201.D	10/19/12 03:47
GW0869	1210135-19	013F1301.D	10/19/12 04:20
GW0869	2J17008-MS1	014F1401.D	10/19/12 04:53
GW0869	2J17008-MSD1	015F1501.D	10/19/12 05:27
GW0870	1210135-21	016F1601.D	10/19/12 06:00
Calibration Check	2J29607-CCV2	017F1701.D	10/19/12 06:34

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2278001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	10/3/12 13:48	10/3/12 16:34

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	713.812	2500	581.5312	1000	606.94	500	556.046	250	379.18	100	327.93
o-Terphenyl	250	816.82	125	677.752	50	727.64	25	672.88	12.5	695.44	5	749

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2278001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	10/3/12 13:48	10/3/12 16:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	527.5732	27.67442	5.88	1.329984E-02		0.9990672	0.99	
o-Terphenyl	723.2553	7.527006	11.10817	4.717436E-02			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	009F0901.D	Calibration Date:	10/03/12 13:48
Sequence:	2J27808	Injection Date:	10/03/12
Lab Sample ID:	2J27808-ICV1	Injection Time:	17:08

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1014	527.5732	557.896		1.4	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	003F0301.D	Calibration Date:	10/03/12 13:48
Sequence:	2J29403	Injection Date:	10/15/12
Lab Sample ID:	2J29403-CCV1	Injection Time:	14:27

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1126	527.5732	623.653		12.6	20
o-Terphenyl	A	50.00	49.85	723.2553	721.1		-0.3	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	010F1001.D	Calibration Date:	10/03/12 13:48
Sequence:	2J29403	Injection Date:	10/15/12
Lab Sample ID:	2J29403-CCV2	Injection Time:	18:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1104	527.5732	610.941		10.4	20
o-Terphenyl	A	50.00	52.50	723.2553	759.38		5.0	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	023F2301.D	Calibration Date:	10/03/12 13:48
Sequence:	2J29403	Injection Date:	10/16/12
Lab Sample ID:	2J29403-CCV3	Injection Time:	01:32

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1124	527.5732	622.885		12.4	20
o-Terphenyl	A	50.00	52.00	723.2553	752.16		4.0	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	036F3601.D	Calibration Date:	10/03/12 13:48
Sequence:	2J29403	Injection Date:	10/16/12
Lab Sample ID:	2J29403-CCV4	Injection Time:	08:43

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	988.7	527.5732	543.202		-1.1	20
o-Terphenyl	A	50.00	44.84	723.2553	648.64		-10.3	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	003F0301.D	Calibration Date:	10/03/12 13:48
Sequence:	2J29607	Injection Date:	10/18/12
Lab Sample ID:	2J29607-CCV1	Injection Time:	22:47

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	854.3	527.5732	465.136		-14.6	20
o-Terphenyl	A	50.00	38.66	723.2553	559.2		-22.7	20 *

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	017F1701.D	Calibration Date:	10/03/12 13:48
Sequence:	2J29607	Injection Date:	10/19/12
Lab Sample ID:	2J29607-CCV2	Injection Time:	06:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	956.7	527.5732	524.542		-4.3	20
o-Terphenyl	A	50.00	42.44	723.2553	613.98		-15.1	20

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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
GW0747	10/09/12 08:45	10/10/12 08:30	10/15/12 09:20	6.02	7.00	10/15/12 20:00	0.44	40.00	
GW0753	10/09/12 14:44	10/10/12 08:30	10/15/12 09:20	5.78	7.00	10/15/12 20:33	0.47	40.00	
GW0769	10/09/12 15:03	10/10/12 08:30	10/15/12 09:20	5.76	7.00	10/15/12 21:06	0.49	40.00	
GW0770	10/09/12 15:03	10/10/12 08:30	10/15/12 09:20	5.76	7.00	10/15/12 21:40	0.51	40.00	
GW0771	10/09/12 11:05	10/10/12 08:30	10/15/12 09:20	5.93	7.00	10/15/12 22:13	0.54	40.00	
GW0778	10/09/12 11:20	10/10/12 08:30	10/15/12 09:20	5.92	7.00	10/15/12 22:46	0.56	40.00	
GW0782	10/08/12 15:26	10/10/12 08:30	10/15/12 09:20	6.75	7.00	10/15/12 23:19	0.58	40.00	
GW0783	10/08/12 13:03	10/10/12 08:30	10/15/12 09:20	6.85	7.00	10/15/12 23:52	0.61	40.00	
GW0784	10/08/12 13:03	10/10/12 08:30	10/15/12 09:20	6.85	7.00	10/16/12 00:25	0.63	40.00	
GW0785	10/08/12 10:58	10/10/12 08:30	10/15/12 09:20	6.93	7.00	10/16/12 00:59	0.65	40.00	
GW0795	10/08/12 15:23	10/10/12 08:30	10/15/12 09:20	6.75	7.00	10/16/12 02:05	0.70	40.00	
GW0796	10/08/12 13:25	10/10/12 08:30	10/15/12 09:20	6.83	7.00	10/16/12 02:38	0.72	40.00	
GW0797	10/08/12 13:25	10/10/12 08:30	10/15/12 09:20	6.83	7.00	10/16/12 03:11	0.74	40.00	
GW0798	10/08/12 11:18	10/10/12 08:30	10/15/12 09:20	6.92	7.00	10/16/12 03:44	0.77	40.00	
GW0767	10/11/12 14:36	10/12/12 08:35	10/15/12 09:20	3.74	7.00	10/16/12 04:51	0.81	40.00	
GW0768	10/11/12 11:32	10/12/12 08:35	10/15/12 09:20	3.87	7.00	10/16/12 06:30	0.88	40.00	
GW0793	10/10/12 14:45	10/12/12 08:35	10/15/12 09:20	4.73	7.00	10/16/12 07:04	0.91	40.00	
GW0794	10/10/12 12:16	10/12/12 08:35	10/15/12 09:20	4.84	7.00	10/16/12 07:37	0.93	40.00	
GW0844	10/11/12 15:52	10/12/12 08:35	10/15/12 09:20	3.69	7.00	10/16/12 08:10	0.95	40.00	
GW0845	10/11/12 13:54	10/12/12 08:35	10/17/12 09:00	5.75	7.00	10/19/12 02:07	1.71	40.00	
GW0846	10/11/12 13:54	10/12/12 08:35	10/17/12 09:00	5.75	7.00	10/19/12 02:40	1.74	40.00	
GW0847	10/11/12 11:53	10/12/12 08:35	10/17/12 09:00	5.84	7.00	10/19/12 03:13	1.76	40.00	
GW0868	10/11/12 12:44	10/12/12 08:35	10/17/12 09:00	5.80	7.00	10/19/12 03:47	1.78	40.00	
GW0869	10/10/12 15:16	10/12/12 08:35	10/17/12 09:00	6.70	7.00	10/19/12 04:20	1.81	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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
GW0870	10/10/12 10:21	10/12/12 08:35	10/17/12 09:00	6.90	7.00	10/19/12 06:00	1.88	40.00	

SW8015B (GRO)
Forms

Sample Extraction Data

Prep Method: 8015GRO-SW8015B GRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-03 [GW0753]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-05 [GW0769]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-07 [GW0770]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-09 [GW0771]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-11 [GW0778]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-13 [GW0782]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-15 [GW0783]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-17 [GW0784]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-19 [GW0785]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-21 [GW0795]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-23 [GW0796]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-25 [GW0797]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210102-27 [GW0798]	2J15011	5.00/5.00	5.00	5.00	1.00		10/15/12
1210135-13 [GW0846]	2J15011	5.00/5.00	5.00	5.00	1.00		10/16/12
1210135-15 [GW0847]	2J15011	5.00/5.00	5.00	5.00	1.00		10/16/12
1210135-17 [GW0868]	2J15011	5.00/5.00	5.00	5.00	1.00		10/16/12
1210135-19 [GW0869]	2J15011	5.00/5.00	5.00	5.00	1.00		10/16/12
1210135-21 [GW0870]	2J15011	5.00/5.00	5.00	5.00	1.00		10/16/12

Sample Extraction Data

Prep Method: 8015GRO-SW8015B GRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210135-03 [GW0768]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210135-05 [GW0793]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210135-07 [GW0794]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210135-09 [GW0844]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210135-11 [GW0845]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01	File ID:	006F0601.D
Sampled:	10/09/12 08:45	Prepared:	10/15/12 14:03	Analyzed:	10/15/12 14:03
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06246	125	50 - 150	

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03	File ID:	007F0701.D
Sampled:	10/09/12 14:44	Prepared:	10/15/12 14:42	Analyzed:	10/15/12 14:42
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06451	129	50 - 150	

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05	File ID:	008F0801.D
Sampled:	10/09/12 15:03	Prepared:	10/15/12 15:22	Analyzed:	10/15/12 15:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.244**	0.0500	0.100	0.150	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05441	109	50 - 150	

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07	File ID:	009F0901.D
Sampled:	10/09/12 15:03	Prepared:	10/15/12 16:02	Analyzed:	10/15/12 16:02
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.307**	0.0500	0.100	0.150	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05570	111	50 - 150	

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09	File ID:	010F1001.D
Sampled:	10/09/12 11:05	Prepared:	10/15/12 16:41	Analyzed:	10/15/12 16:41
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.115**	0.0500	0.100	0.150	J

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06038	121	50 - 150	

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11	File ID:	011F1101.D
Sampled:	10/09/12 11:20	Prepared:	10/15/12 17:21	Analyzed:	10/15/12 17:21
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06664	133	50 - 150	

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13	File ID:	012F1201.D
Sampled:	10/08/12 15:26	Prepared:	10/15/12 18:02	Analyzed:	10/15/12 18:02
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05845	117	50 - 150	

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15	File ID:	013F1301.D
Sampled:	10/08/12 13:03	Prepared:	10/15/12 18:42	Analyzed:	10/15/12 18:42
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06137	123	50 - 150	

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17	File ID:	014F1401.D
Sampled:	10/08/12 13:03	Prepared:	10/15/12 19:22	Analyzed:	10/15/12 19:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05993	120	50 - 150	

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19	File ID:	015F1501.D
Sampled:	10/08/12 10:58	Prepared:	10/15/12 20:02	Analyzed:	10/15/12 20:02
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06209	124	50 - 150	

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21	File ID:	017F1701.D
Sampled:	10/08/12 15:23	Prepared:	10/15/12 21:21	Analyzed:	10/15/12 21:21
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05797	116	50 - 150	

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23	File ID:	018F1801.D
Sampled:	10/08/12 13:25	Prepared:	10/15/12 22:01	Analyzed:	10/15/12 22:01
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05672	113	50 - 150	

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25	File ID:	019F1901.D
Sampled:	10/08/12 13:25	Prepared:	10/15/12 22:41	Analyzed:	10/15/12 22:41
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05990	120	50 - 150	

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27	File ID:	020F2001.D
Sampled:	10/08/12 11:18	Prepared:	10/15/12 23:20	Analyzed:	10/15/12 23:20
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05711	114	50 - 150	

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01	File ID:	022F2201.D
Sampled:	10/11/12 14:36	Prepared:	10/19/12 07:21	Analyzed:	10/19/12 07:21
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05023	100	50 - 150	

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03	File ID:	023F2301.D
Sampled:	10/11/12 11:32	Prepared:	10/19/12 07:59	Analyzed:	10/19/12 07:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.269**	0.0500	0.100	0.150	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05204	104	50 - 150	

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05	File ID:	024F2401.D
Sampled:	10/10/12 14:45	Prepared:	10/19/12 08:37	Analyzed:	10/19/12 08:37
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

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

GW0794

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07	File ID:	027F2701.D
Sampled:	10/10/12 12:16	Prepared:	10/19/12 10:32	Analyzed:	10/19/12 10:32
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05277	106	50 - 150	

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09	File ID:	028F2801.D
Sampled:	10/11/12 15:52	Prepared:	10/19/12 11:10	Analyzed:	10/19/12 11:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04879	97.6	50 - 150	

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11	File ID:	029F2901.D
Sampled:	10/11/12 13:54	Prepared:	10/19/12 11:48	Analyzed:	10/19/12 11:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05074	101	50 - 150	

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13	File ID:	021F2101.D
Sampled:	10/11/12 13:54	Prepared:	10/16/12 00:00	Analyzed:	10/16/12 00:00
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05548	111	50 - 150	

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15	File ID:	022F2201.D
Sampled:	10/11/12 11:53	Prepared:	10/16/12 00:40	Analyzed:	10/16/12 00:40
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05557	111	50 - 150	

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17	File ID:	023F2301.D
Sampled:	10/11/12 12:44	Prepared:	10/16/12 01:19	Analyzed:	10/16/12 01:19
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05762	115	50 - 150	

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19	File ID:	024F2401.D
Sampled:	10/10/12 15:16	Prepared:	10/16/12 01:59	Analyzed:	10/16/12 01:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05558	111	50 - 150	

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21	File ID:	027F2701.D
Sampled:	10/10/12 10:21	Prepared:	10/16/12 03:58	Analyzed:	10/16/12 03:58
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05615	112	50 - 150	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29401	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29401-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 10/15/12 12:04		
Bromofluorobenzene	0.05000	103	80 - 120	20.3	20.3	0.0000	+/-0.210	
Blank (2J15011-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 10/15/12 12:43		
Bromofluorobenzene	0.05000	120	50 - 150	20.303	20.3	0.0030	+/-0.210	
LCS (2J15011-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 10/15/12 13:23		
Bromofluorobenzene	0.05000	106	50 - 150	20.306	20.3	0.0060	+/-0.210	
GW0747 (1210102-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 10/15/12 14:03		
Bromofluorobenzene	0.05000	125	50 - 150	20.306	20.3	0.0060	+/-0.210	
GW0753 (1210102-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 10/15/12 14:42		
Bromofluorobenzene	0.05000	129	50 - 150	20.3	20.3	0.0000	+/-0.210	
GW0769 (1210102-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 10/15/12 15:22		
Bromofluorobenzene	0.05000	109	50 - 150	20.303	20.3	0.0030	+/-0.210	
GW0770 (1210102-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 10/15/12 16:02		
Bromofluorobenzene	0.05000	111	50 - 150	20.303	20.3	0.0030	+/-0.210	
GW0771 (1210102-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 10/15/12 16:41		
Bromofluorobenzene	0.05000	121	50 - 150	20.306	20.3	0.0060	+/-0.210	
GW0778 (1210102-11) mg/L				Lab File ID: 011F1101.D		Analyzed: 10/15/12 17:21		
Bromofluorobenzene	0.05000	133	50 - 150	20.303	20.3	0.0030	+/-0.210	
GW0782 (1210102-13) mg/L				Lab File ID: 012F1201.D		Analyzed: 10/15/12 18:02		
Bromofluorobenzene	0.05000	117	50 - 150	20.303	20.3	0.0030	+/-0.210	
GW0783 (1210102-15) mg/L				Lab File ID: 013F1301.D		Analyzed: 10/15/12 18:42		
Bromofluorobenzene	0.05000	123	50 - 150	20.3	20.3	0.0000	+/-0.210	
GW0784 (1210102-17) mg/L				Lab File ID: 014F1401.D		Analyzed: 10/15/12 19:22		
Bromofluorobenzene	0.05000	120	50 - 150	20.303	20.3	0.0030	+/-0.210	
GW0785 (1210102-19) mg/L				Lab File ID: 015F1501.D		Analyzed: 10/15/12 20:02		
Bromofluorobenzene	0.05000	124	50 - 150	20.306	20.3	0.0060	+/-0.210	
Calibration Check (2J29401-CCV2) ug/mL				Lab File ID: 016F1601.D		Analyzed: 10/15/12 20:42		
Bromofluorobenzene	0.05000	107	80 - 120	20.306	20.3	0.0060	+/-0.210	
GW0795 (1210102-21) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/15/12 21:21		
Bromofluorobenzene	0.05000	116	50 - 150	20.306	20.3	0.0060	+/-0.210	
GW0796 (1210102-23) mg/L				Lab File ID: 018F1801.D		Analyzed: 10/15/12 22:01		
Bromofluorobenzene	0.05000	113	50 - 150	20.306	20.3	0.0060	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29401	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0797 (1210102-25) mg/L				Lab File ID: 019F1901.D		Analyzed: 10/15/12 22:41		
Bromofluorobenzene	0.05000	120	50 - 150	20.31	20.3	0.0100	+/-0.210	
GW0798 (1210102-27) mg/L				Lab File ID: 020F2001.D		Analyzed: 10/15/12 23:20		
Bromofluorobenzene	0.05000	114	50 - 150	20.31	20.3	0.0100	+/-0.210	
GW0846 (1210135-13) mg/L				Lab File ID: 021F2101.D		Analyzed: 10/16/12 00:00		
Bromofluorobenzene	0.05000	111	50 - 150	20.31	20.3	0.0100	+/-0.210	
GW0847 (1210135-15) mg/L				Lab File ID: 022F2201.D		Analyzed: 10/16/12 00:40		
Bromofluorobenzene	0.05000	111	50 - 150	20.31	20.3	0.0100	+/-0.210	
GW0868 (1210135-17) mg/L				Lab File ID: 023F2301.D		Analyzed: 10/16/12 01:19		
Bromofluorobenzene	0.05000	115	50 - 150	20.31	20.3	0.0100	+/-0.210	
GW0869 (1210135-19) mg/L				Lab File ID: 024F2401.D		Analyzed: 10/16/12 01:59		
Bromofluorobenzene	0.05000	111	50 - 150	20.313	20.3	0.0130	+/-0.210	
Matrix Spike (2J15011-MS1) mg/L				Lab File ID: 025F2501.D		Analyzed: 10/16/12 02:39		
Bromofluorobenzene	0.05000	95.6	50 - 150	20.313	20.3	0.0130	+/-0.210	
Matrix Spike Dup (2J15011-MSD1) mg/L				Lab File ID: 026F2601.D		Analyzed: 10/16/12 03:19		
Bromofluorobenzene	0.05000	94.5	50 - 150	20.31	20.3	0.0100	+/-0.210	
GW0870 (1210135-21) mg/L				Lab File ID: 027F2701.D		Analyzed: 10/16/12 03:58		
Bromofluorobenzene	0.05000	112	50 - 150	20.31	20.3	0.0100	+/-0.210	
Calibration Check (2J29401-CCV3) ug/mL				Lab File ID: 028F2801.D		Analyzed: 10/16/12 04:38		
Bromofluorobenzene	0.05000	100	80 - 120	20.306	20.3	0.0060	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29809	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29809-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 10/18/12 19:11		
Bromofluorobenzene	0.05000	86.7	80 - 120	20.31	20.31	0.0000	+/-0.210	
Calibration Check (2J29809-CCV2) mg/L				Lab File ID: 014F1401.D		Analyzed: 10/19/12 02:12		
Bromofluorobenzene	0.05000	94.5	80 - 120	20.33	20.31	0.0200	+/-0.210	
Blank (2J18024-BLK1) mg/L				Lab File ID: 015F1501.D		Analyzed: 10/19/12 02:51		
Bromofluorobenzene	0.05000	119	50 - 150	20.33	20.31	0.0200	+/-0.210	
LCS (2J18024-BS1) mg/L				Lab File ID: 016F1601.D		Analyzed: 10/19/12 03:30		
Bromofluorobenzene	0.05000	88.3	50 - 150	20.33	20.31	0.0200	+/-0.210	
LCS Dup (2J18024-BSD1) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/19/12 04:08		
Bromofluorobenzene	0.05000	95.9	50 - 150	20.326	20.31	0.0160	+/-0.210	
GW0767 (1210135-01) mg/L				Lab File ID: 022F2201.D		Analyzed: 10/19/12 07:21		
Bromofluorobenzene	0.05000	100	50 - 150	20.32	20.31	0.0100	+/-0.210	
GW0768 (1210135-03) mg/L				Lab File ID: 023F2301.D		Analyzed: 10/19/12 07:59		
Bromofluorobenzene	0.05000	104	50 - 150	20.33	20.31	0.0200	+/-0.210	
GW0793 (1210135-05) mg/L				Lab File ID: 024F2401.D		Analyzed: 10/19/12 08:37		
Bromofluorobenzene	0.05000	99.3	50 - 150	20.326	20.31	0.0160	+/-0.210	
Matrix Spike (2J18024-MS1) mg/L				Lab File ID: 025F2501.D		Analyzed: 10/19/12 09:15		
Bromofluorobenzene	0.05000	80.0	50 - 150	20.33	20.31	0.0200	+/-0.210	
Matrix Spike Dup (2J18024-MSD1) mg/L				Lab File ID: 026F2601.D		Analyzed: 10/19/12 09:53		
Bromofluorobenzene	0.05000	80.3	50 - 150	20.326	20.31	0.0160	+/-0.210	
GW0794 (1210135-07) mg/L				Lab File ID: 027F2701.D		Analyzed: 10/19/12 10:32		
Bromofluorobenzene	0.05000	106	50 - 150	20.323	20.31	0.0130	+/-0.210	
GW0844 (1210135-09) mg/L				Lab File ID: 028F2801.D		Analyzed: 10/19/12 11:10		
Bromofluorobenzene	0.05000	97.6	50 - 150	20.323	20.31	0.0130	+/-0.210	
GW0845 (1210135-11) mg/L				Lab File ID: 029F2901.D		Analyzed: 10/19/12 11:48		
Bromofluorobenzene	0.05000	101	50 - 150	20.326	20.31	0.0160	+/-0.210	
Calibration Check (2J29809-CCV3) mg/L				Lab File ID: 032F3201.D		Analyzed: 10/19/12 13:45		
Bromofluorobenzene	0.05000	81.4	80 - 120	20.32	20.31	0.0100	+/-0.210	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J15011	Laboratory ID:	2J15011-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	0.4847	96.9	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J18024	Laboratory ID:	2J18024-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	0.3906	78.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4337	86.7	10.5	30	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J15011

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4172	83.4		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4371	87.4	4.66		30	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J18024

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4429	88.6		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	0.4219	84.4	4.87		30	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J15011 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/15/12 14:03	5.00	5.00
GW0753	1210102-03	10/15/12 14:42	5.00	5.00
GW0769	1210102-05	10/15/12 15:22	5.00	5.00
GW0770	1210102-07	10/15/12 16:02	5.00	5.00
GW0771	1210102-09	10/15/12 16:41	5.00	5.00
GW0778	1210102-11	10/15/12 17:21	5.00	5.00
GW0782	1210102-13	10/15/12 18:02	5.00	5.00
GW0783	1210102-15	10/15/12 18:42	5.00	5.00
GW0784	1210102-17	10/15/12 19:22	5.00	5.00
GW0785	1210102-19	10/15/12 20:02	5.00	5.00
GW0795	1210102-21	10/15/12 21:21	5.00	5.00
GW0796	1210102-23	10/15/12 22:01	5.00	5.00
GW0797	1210102-25	10/15/12 22:41	5.00	5.00
GW0798	1210102-27	10/15/12 23:20	5.00	5.00
GW0846	1210135-13	10/16/12 00:00	5.00	5.00
GW0847	1210135-15	10/16/12 00:40	5.00	5.00
GW0868	1210135-17	10/16/12 01:19	5.00	5.00
GW0869	1210135-19	10/16/12 01:59	5.00	5.00
GW0870	1210135-21	10/16/12 03:58	5.00	5.00
Blank	2J15011-BLK1	10/15/12 12:43	5.00	5.00
LCS	2J15011-BS1	10/15/12 13:23	5.00	5.00
GW0869	2J15011-MS1	10/16/12 02:39	5.00	5.00
GW0869	2J15011-MSD1	10/16/12 03:19	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J18024 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/19/12 07:21	5.00	5.00
GW0768	1210135-03	10/19/12 07:59	5.00	5.00
GW0793	1210135-05	10/19/12 08:37	5.00	5.00
GW0794	1210135-07	10/19/12 10:32	5.00	5.00
GW0844	1210135-09	10/19/12 11:10	5.00	5.00
GW0845	1210135-11	10/19/12 11:48	5.00	5.00
Blank	2J18024-BLK1	10/19/12 02:51	5.00	5.00
LCS	2J18024-BS1	10/19/12 03:30	5.00	5.00
LCS Dup	2J18024-BSD1	10/19/12 04:08	5.00	5.00
GW0793	2J18024-MS1	10/19/12 09:15	5.00	5.00
GW0793	2J18024-MSD1	10/19/12 09:53	5.00	5.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_065
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2J15011-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	10/15/12 12:43
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06002	120	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J15011-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	10/15/12 13:23
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J15011	Sequence:	2J29401	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4847**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05291	106	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J15011-MS1	File ID:	025F2501.D
Sampled:		Prepared:		Analyzed:	10/16/12 02:39
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4172**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04782	95.6	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J15011-MSD1	File ID:	026F2601.D
Sampled:		Prepared:		Analyzed:	10/16/12 03:19
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2J15011 Sequence: 2J29401 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4371**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04727	94.5	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J18024-BLK1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	10/19/12 02:51
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J18024	Sequence:	2J29809	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05970	119	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J18024-BS1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	10/19/12 03:30
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J18024	Sequence:	2J29809	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.3906**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04416	88.3	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J18024-BSD1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	10/19/12 04:08
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J18024	Sequence:	2J29809	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4337**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04795	95.9	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J18024-MS1	File ID:	025F2501.D
Sampled:		Prepared:		Analyzed:	10/19/12 09:15
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J18024	Sequence:	2J29809	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4429**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03999	80.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2J18024-MSD1
File ID: 026F2601.D
Sampled:
Prepared:
Analyzed: 10/19/12 09:53
Solids:
Preparation: 8015GRO
Dilution:
Batch: 2J18024
Sequence: 2J29809
Calibration: 2216001
Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4219**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04017	80.3	50 - 150	

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12H0009	GRO Cal 0.1ppm	2H21611-CAL1	003F0301.D	07/31/12 15:05
12H0010	GRO Cal 0.2ppm	2H21611-CAL2	004F0401.D	07/31/12 15:45
12H0011	GRO Cal 0.5ppm	2H21611-CAL3	005F0501.D	07/31/12 16:25
12H0012	GRO Cal 1.0ppm	2H21611-CAL4	006F0601.D	07/31/12 17:05
12H0013	GRO Cal 2.0ppm	2H21611-CAL5	007F0701.D	07/31/12 17:44
12H0014	GRO Cal 5.0ppm	2H21611-CAL6	008F0801.D	07/31/12 18:24

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21611-CAL1	003F0301.D	07/31/12 15:05
Cal Standard	2H21611-CAL2	004F0401.D	07/31/12 15:45
Cal Standard	2H21611-CAL3	005F0501.D	07/31/12 16:25
Cal Standard	2H21611-CAL4	006F0601.D	07/31/12 17:05
Cal Standard	2H21611-CAL5	007F0701.D	07/31/12 17:44
Cal Standard	2H21611-CAL6	008F0801.D	07/31/12 18:24
Initial Cal Check	2H21611-ICV1	003F0301.D	08/02/12 14:13

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29401	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29401-CCV1	003F0301.D	10/15/12 12:04
Blank	2J15011-BLK1	004F0401.D	10/15/12 12:43
LCS	2J15011-BS1	005F0501.D	10/15/12 13:23
GW0747	1210102-01	006F0601.D	10/15/12 14:03
GW0753	1210102-03	007F0701.D	10/15/12 14:42
GW0769	1210102-05	008F0801.D	10/15/12 15:22
GW0770	1210102-07	009F0901.D	10/15/12 16:02
GW0771	1210102-09	010F1001.D	10/15/12 16:41
GW0778	1210102-11	011F1101.D	10/15/12 17:21
GW0782	1210102-13	012F1201.D	10/15/12 18:02
GW0783	1210102-15	013F1301.D	10/15/12 18:42
GW0784	1210102-17	014F1401.D	10/15/12 19:22
GW0785	1210102-19	015F1501.D	10/15/12 20:02
Calibration Check	2J29401-CCV2	016F1601.D	10/15/12 20:42
GW0795	1210102-21	017F1701.D	10/15/12 21:21
GW0796	1210102-23	018F1801.D	10/15/12 22:01
GW0797	1210102-25	019F1901.D	10/15/12 22:41
GW0798	1210102-27	020F2001.D	10/15/12 23:20
GW0846	1210135-13	021F2101.D	10/16/12 00:00
GW0847	1210135-15	022F2201.D	10/16/12 00:40
GW0868	1210135-17	023F2301.D	10/16/12 01:19
GW0869	1210135-19	024F2401.D	10/16/12 01:59
GW0869	2J15011-MS1	025F2501.D	10/16/12 02:39
GW0869	2J15011-MSD1	026F2601.D	10/16/12 03:19
GW0870	1210135-21	027F2701.D	10/16/12 03:58
Calibration Check	2J29401-CCV3	028F2801.D	10/16/12 04:38

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29809	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29809-CCV1	003F0301.D	10/18/12 19:11
Calibration Check	2J29809-CCV2	014F1401.D	10/19/12 02:12
Blank	2J18024-BLK1	015F1501.D	10/19/12 02:51
LCS	2J18024-BS1	016F1601.D	10/19/12 03:30
LCS Dup	2J18024-BSD1	017F1701.D	10/19/12 04:08
GW0767	1210135-01	022F2201.D	10/19/12 07:21
GW0768	1210135-03	023F2301.D	10/19/12 07:59
GW0793	1210135-05	024F2401.D	10/19/12 08:37
GW0793	2J18024-MS1	025F2501.D	10/19/12 09:15
GW0793	2J18024-MSD1	026F2601.D	10/19/12 09:53
GW0794	1210135-07	027F2701.D	10/19/12 10:32
GW0844	1210135-09	028F2801.D	10/19/12 11:10
GW0845	1210135-11	029F2901.D	10/19/12 11:48
Calibration Check	2J29809-CCV3	032F3201.D	10/19/12 13:45

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12_15:05	7/31/12_18:24

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	0.1	2233630	0.2	1477410	0.5	1120412	1	946984	2	1011274	5	961363.4
Bromofluorobenzene	0.01	1563200	0.02	941550	0.05	566820	0.1	481890	0.2	490520	0.5	412342

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12 15:05	7/31/12 18:24

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1291846	38.82256	7.807	0.017641	0.9992676		0.995	
Bromofluorobenzene	742720.3	59.74288	20.3135	9.003825E-03	0.9969704		0.995	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21611	Injection Date:	08/02/12
Lab Sample ID:	2H21611-ICV1	Injection Time:	14:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4958	1291846	1119582		-0.8	20
Bromofluorobenzene	L	0.05000	0.04848	742720.3	607700		-3.0	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29401	Injection Date:	10/15/12
Lab Sample ID:	2J29401-CCV1	Injection Time:	12:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5085	1291846	1143672		1.7	20
Bromofluorobenzene	L	0.05000	0.05131	742720.3	630080		2.6	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	016F1601.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29401	Injection Date:	10/15/12
Lab Sample ID:	2J29401-CCV2	Injection Time:	20:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4223	1291846	980894		-15.5	20
Bromofluorobenzene	L	0.05000	0.05349	742720.3	647340		7.0	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	028F2801.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29401	Injection Date:	10/16/12
Lab Sample ID:	2J29401-CCV3	Injection Time:	04:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4104	1291846	958430		-17.9	20
Bromofluorobenzene	L	0.05000	0.05013	742720.3	620780		0.3	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/18/12
Lab Sample ID:	2J29809-CCV1	Injection Time:	19:11

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4796	1291846	1088980		-4.1	20
Bromofluorobenzene	L	0.05000	0.04334	742720.3	567080		-13.3	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	014F1401.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/19/12
Lab Sample ID:	2J29809-CCV2	Injection Time:	02:12

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5819	1291846	1282102		16.4	20
Bromofluorobenzene	L	0.05000	0.04723	742720.3	597820		-5.5	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	032F3201.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/19/12
Lab Sample ID:	2J29809-CCV3	Injection Time:	13:45

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4244	1291846	984858		-15.1	20
Bromofluorobenzene	L	0.05000	0.04071	742720.3	546280		-18.6	20

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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
GW0747	10/09/12 08:45	10/10/12 08:30	10/15/12 14:03	N/A	14.00	10/15/12 14:03	6.22	14.00	
GW0753	10/09/12 14:44	10/10/12 08:30	10/15/12 14:42	N/A	14.00	10/15/12 14:42	6.00	14.00	
GW0769	10/09/12 15:03	10/10/12 08:30	10/15/12 15:22	N/A	14.00	10/15/12 15:22	6.01	14.00	
GW0770	10/09/12 15:03	10/10/12 08:30	10/15/12 16:02	N/A	14.00	10/15/12 16:02	6.04	14.00	
GW0771	10/09/12 11:05	10/10/12 08:30	10/15/12 16:41	N/A	14.00	10/15/12 16:41	6.23	14.00	
GW0778	10/09/12 11:20	10/10/12 08:30	10/15/12 17:21	N/A	14.00	10/15/12 17:21	6.25	14.00	
GW0782	10/08/12 15:26	10/10/12 08:30	10/15/12 18:02	N/A	14.00	10/15/12 18:02	7.11	14.00	
GW0783	10/08/12 13:03	10/10/12 08:30	10/15/12 18:42	N/A	14.00	10/15/12 18:42	7.24	14.00	
GW0784	10/08/12 13:03	10/10/12 08:30	10/15/12 19:22	N/A	14.00	10/15/12 19:22	7.26	14.00	
GW0785	10/08/12 10:58	10/10/12 08:30	10/15/12 20:02	N/A	14.00	10/15/12 20:02	7.38	14.00	
GW0795	10/08/12 15:23	10/10/12 08:30	10/15/12 21:21	N/A	14.00	10/15/12 21:21	7.25	14.00	
GW0796	10/08/12 13:25	10/10/12 08:30	10/15/12 22:01	N/A	14.00	10/15/12 22:01	7.36	14.00	
GW0797	10/08/12 13:25	10/10/12 08:30	10/15/12 22:41	N/A	14.00	10/15/12 22:41	7.39	14.00	
GW0798	10/08/12 11:18	10/10/12 08:30	10/15/12 23:20	N/A	14.00	10/15/12 23:20	7.50	14.00	
GW0767	10/11/12 14:36	10/12/12 08:35	10/19/12 07:21	N/A	14.00	10/19/12 07:21	7.66	14.00	
GW0768	10/11/12 11:32	10/12/12 08:35	10/19/12 07:59	N/A	14.00	10/19/12 07:59	7.81	14.00	
GW0793	10/10/12 14:45	10/12/12 08:35	10/19/12 08:37	N/A	14.00	10/19/12 08:37	8.70	14.00	
GW0794	10/10/12 12:16	10/12/12 08:35	10/19/12 10:32	N/A	14.00	10/19/12 10:32	8.89	14.00	
GW0844	10/11/12 15:52	10/12/12 08:35	10/19/12 11:10	N/A	14.00	10/19/12 11:10	7.76	14.00	
GW0845	10/11/12 13:54	10/12/12 08:35	10/19/12 11:48	N/A	14.00	10/19/12 11:48	7.87	14.00	
GW0846	10/11/12 13:54	10/12/12 08:35	10/16/12 00:00	N/A	14.00	10/16/12 00:00	4.38	14.00	
GW0847	10/11/12 11:53	10/12/12 08:35	10/16/12 00:40	N/A	14.00	10/16/12 00:40	4.49	14.00	
GW0868	10/11/12 12:44	10/12/12 08:35	10/16/12 01:19	N/A	14.00	10/16/12 01:19	4.48	14.00	
GW0869	10/10/12 15:16	10/12/12 08:35	10/16/12 01:59	N/A	14.00	10/16/12 01:59	5.40	14.00	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

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
GW0870	10/10/12 10:21	10/12/12 08:35	10/16/12 03:58	N/A	14.00	10/16/12 03:58	5.69	14.00	

Data for SW6010B Forms

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-02 [GW0747]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12
1210102-04 [GW0753]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12
1210102-06 [GW0769]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12
1210102-08 [GW0770]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12
1210102-10 [GW0771]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12
1210102-12 [GW0778]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12
1210102-14 [GW0782]	2J11024	50.00/50.00	50.0	50.0	1.00		10/11/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-16 [GW0783]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12
1210102-18 [GW0784]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12
1210102-20 [GW0785]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12
1210102-22 [GW0795]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12
1210102-24 [GW0796]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12
1210102-26 [GW0797]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12
1210102-28 [GW0798]	2J12024	50.00/50.00	50.0	50.0	1.00		10/12/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-02 [GW0767]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-04 [GW0768]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-06 [GW0793]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-08 [GW0794]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-10 [GW0844]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-12 [GW0845]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-14 [GW0846]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-16 [GW0847]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-18 [GW0868]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-20 [GW0869]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12
1210135-22 [GW0870]	2J17020	50.00/50.00	50.0	50.0	1.00		10/17/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J19015	50.00/50.00	50.0	50.0	1.00		10/19/12
1210102-03 [GW0753]	2J19015	50.00/50.00	50.0	50.0	1.00		10/19/12
1210102-05 [GW0769]	2J19015	50.00/50.00	50.0	50.0	1.00		10/19/12
1210102-07 [GW0770]	2J19015	50.00/50.00	50.0	50.0	1.00		10/19/12
1210102-09 [GW0771]	2J19015	50.00/50.00	50.0	50.0	1.00		10/19/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-11 [GW0778]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-13 [GW0782]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-15 [GW0783]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-17 [GW0784]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-19 [GW0785]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-21 [GW0795]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-23 [GW0796]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-25 [GW0797]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12
1210102-27 [GW0798]	2J24021	50.00/50.00	50.0	50.0	1.00		10/24/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-03 [GW0768]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-05 [GW0793]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-07 [GW0794]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-09 [GW0844]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-11 [GW0845]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-13 [GW0846]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-15 [GW0847]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-17 [GW0868]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-19 [GW0869]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12
1210135-21 [GW0870]	2J26010	50.00/50.00	50.0	50.0	1.00		10/26/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01
Sampled:	10/09/12 08:45	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**45100**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 17:12
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J19015	10/22/12 17:12
7439-95-4	Magnesium	**5360**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:12
7440-09-7	Potassium	**2260**	1000	3000	5000	1	J	SW6010B	2J19015	10/22/12 17:12
7440-23-5	Sodium	**22800**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-02
Sampled:	10/09/12 08:45	Received:	10/10/12 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	2J11024	10/11/12 17:39
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J11024	10/11/12 17:39

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03
Sampled:	10/09/12 14:44	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**50300**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 17:17
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J19015	10/22/12 17:17
7439-95-4	Magnesium	**7390**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:17
7440-09-7	Potassium	**2670**	1000	3000	5000	1	J	SW6010B	2J19015	10/22/12 17:17
7440-23-5	Sodium	**24700**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:17

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-04
Sampled:	10/09/12 14:44	Received:	10/10/12 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	2J11024	10/11/12 17:43
7439-96-5	Manganese (dissolved)	**16.5**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 17:43

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05
Sampled:	10/09/12 15:03	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**43600**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 17:21
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J19015	10/22/12 17:21
7439-95-4	Magnesium	**6260**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:21
7440-09-7	Potassium	**2450**	1000	3000	5000	1	J	SW6010B	2J19015	10/22/12 17:21
7440-23-5	Sodium	**25100**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:21

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-06
Sampled:	10/09/12 15:03	Received:	10/10/12 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)	**324**	30.0	60.0	100	1		SW6010B	2J11024	10/11/12 17:48
7439-96-5	Manganese (dissolved)	**797**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 17:48

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07
Sampled:	10/09/12 15:03	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**44100**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 18:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J19015	10/22/12 18:02
7439-95-4	Magnesium	**6300**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 18:02
7440-09-7	Potassium	**2460**	1000	3000	5000	1	J	SW6010B	2J19015	10/22/12 18:02
7440-23-5	Sodium	**25400**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 18:02

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-08
Sampled:	10/09/12 15:03	Received:	10/10/12 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)	**318**	30.0	60.0	100	1		SW6010B	2J11024	10/11/12 17:52
7439-96-5	Manganese (dissolved)	**788**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 17:52

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09
Sampled:	10/09/12 11:05	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**85700**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 17:26
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J19015	10/22/12 17:26
7439-95-4	Magnesium	**11100**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:26
7440-09-7	Potassium	**3070**	1000	3000	5000	1	J	SW6010B	2J19015	10/22/12 17:26
7440-23-5	Sodium	**36500**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:26

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-10
Sampled:	10/09/12 11:05	Received:	10/10/12 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	2J11024	10/11/12 17:56
7439-96-5	Manganese (dissolved)	**150**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 17:56

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11
Sampled:	10/09/12 11:20	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**71500**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 15:54
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 15:54
7439-95-4	Magnesium	**9340**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 15:54
7440-09-7	Potassium	**3300**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 15:54
7440-23-5	Sodium	**31100**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 15:54

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-12
Sampled:	10/09/12 11:20	Received:	10/10/12 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	2J11024	10/11/12 18:01
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J11024	10/11/12 18:01

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13
Sampled:	10/08/12 15:26	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**48000**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:17
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:17
7439-95-4	Magnesium	**6900**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:17
7440-09-7	Potassium	**2490**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:17
7440-23-5	Sodium	**23100**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:17

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-14
Sampled:	10/08/12 15:26	Received:	10/10/12 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	2J11024	10/11/12 18:05
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J11024	10/11/12 18:05

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15
Sampled:	10/08/12 13:03	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**94400**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:22
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:22
7439-95-4	Magnesium	**12500**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:22
7440-09-7	Potassium	**3310**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:22
7440-23-5	Sodium	**29200**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:22

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-16
Sampled:	10/08/12 13:03	Received:	10/10/12 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	2J12024	10/12/12 15:42
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 15:42

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17
Sampled:	10/08/12 13:03	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**88300**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:26
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:26
7439-95-4	Magnesium	**12200**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:26
7440-09-7	Potassium	**3270**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:26
7440-23-5	Sodium	**29600**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:26

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-18
Sampled:	10/08/12 13:03	Received:	10/10/12 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	2J12024	10/12/12 15:46
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 15:46

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19
Sampled:	10/08/12 10:58	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**90500**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:31
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:31
7439-95-4	Magnesium	**12400**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:31
7440-09-7	Potassium	**3460**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:31
7440-23-5	Sodium	**31100**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:31

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-20
Sampled:	10/08/12 10:58	Received:	10/10/12 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	2J12024	10/12/12 15:51
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 15:51

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21
Sampled:	10/08/12 15:23	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**39100**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:35
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:35
7439-95-4	Magnesium	**5520**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:35
7440-09-7	Potassium	**2230**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:35
7440-23-5	Sodium	**22700**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:35

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-22
Sampled:	10/08/12 15:23	Received:	10/10/12 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	2J12024	10/12/12 15:55
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 15:55

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23
Sampled:	10/08/12 13:25	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**33400**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:39
7439-95-4	Magnesium	**4610**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:39
7440-09-7	Potassium	**2080**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:39
7440-23-5	Sodium	**21700**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:39

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-24
Sampled:	10/08/12 13:25	Received:	10/10/12 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	2J12024	10/12/12 16:00
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 16:00

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25
Sampled:	10/08/12 13:25	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**35100**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:44
7439-95-4	Magnesium	**4560**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:44
7440-09-7	Potassium	**2090**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:44
7440-23-5	Sodium	**20700**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:44

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-26
Sampled:	10/08/12 13:25	Received:	10/10/12 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	2J12024	10/12/12 16:04
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 16:04

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27
Sampled:	10/08/12 11:18	Received:	10/10/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**35000**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 16:48
7439-95-4	Magnesium	**4640**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:48
7440-09-7	Potassium	**2100**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 16:48
7440-23-5	Sodium	**21500**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:48

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-28
Sampled:	10/08/12 11:18	Received:	10/10/12 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	2J12024	10/12/12 16:09
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 16:09

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01
Sampled:	10/11/12 14:36	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**42200**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:11
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:11
7439-95-4	Magnesium	**6450**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:11
7440-09-7	Potassium	**2410**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:11
7440-23-5	Sodium	**22700**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:11

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-02
Sampled:	10/11/12 14:36	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 16:31
7439-96-5	Manganese (dissolved)	**22.6**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 16:31

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03
Sampled:	10/11/12 11:32	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**46000**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:16
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:16
7439-95-4	Magnesium	**6300**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:16
7440-09-7	Potassium	**2370**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:16
7440-23-5	Sodium	**25500**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:16

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-04
Sampled:	10/11/12 11:32	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 16:36
7439-96-5	Manganese (dissolved)	**254**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 16:36

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05
Sampled:	10/10/12 14:45	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**83600**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:20
7439-95-4	Magnesium	**10900**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:20
7440-09-7	Potassium	**3670**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:20
7440-23-5	Sodium	**33200**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:20

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-06
Sampled:	10/10/12 14:45	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 16:40
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 16:40

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07
Sampled:	10/10/12 12:16	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**41000**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:43
7439-95-4	Magnesium	**5440**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:43
7440-09-7	Potassium	**2470**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:43
7440-23-5	Sodium	**23700**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:43

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-08
Sampled:	10/10/12 12:16	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 16:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 16:59

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09
Sampled:	10/11/12 15:52	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**48500**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:48
7439-95-4	Magnesium	**6510**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:48
7440-09-7	Potassium	**2480**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:48
7440-23-5	Sodium	**26300**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:48

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-10
Sampled:	10/11/12 15:52	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:03
7439-96-5	Manganese (dissolved)	**5.28**	3.00	6.00	15.0	1	J	SW6010B	2J17020	10/17/12 17:03

ANALYSIS DATA SHEET

GW0845

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/11/12 13:54
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 1210135-11
Received: 10/12/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**45800**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:52
7439-95-4	Magnesium	**6040**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:52
7440-09-7	Potassium	**2410**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:52
7440-23-5	Sodium	**25300**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:52

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-12
Sampled:	10/11/12 13:54	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:08
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 17:08

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13
Sampled:	10/11/12 13:54	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**44300**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:56
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:56
7439-95-4	Magnesium	**5840**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:56
7440-09-7	Potassium	**2320**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 16:56
7440-23-5	Sodium	**24500**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:56

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-14
Sampled:	10/11/12 13:54	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:12
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 17:12

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15
Sampled:	10/11/12 11:53	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**34300**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 17:01
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 17:01
7439-95-4	Magnesium	**4670**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 17:01
7440-09-7	Potassium	**2080**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 17:01
7440-23-5	Sodium	**22500**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:01

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-16
Sampled:	10/11/12 11:53	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:17
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 17:17

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17
Sampled:	10/11/12 12:44	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**43200**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 17:05
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 17:05
7439-95-4	Magnesium	**5780**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:05
7440-09-7	Potassium	**2500**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 17:05
7440-23-5	Sodium	**23900**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:05

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-18
Sampled:	10/11/12 12:44	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:21
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 17:21

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19
Sampled:	10/10/12 15:16	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**44600**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 17:29
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 17:29
7439-95-4	Magnesium	**5830**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:29
7440-09-7	Potassium	**2660**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 17:29
7440-23-5	Sodium	**24600**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:29

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-20
Sampled:	10/10/12 15:16	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:43
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 17:43

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21
Sampled:	10/10/12 10:21	Received:	10/12/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**36800**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 17:10
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 17:10
7439-95-4	Magnesium	**4870**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 17:10
7440-09-7	Potassium	**2260**	1000	3000	5000	1	J	SW6010B	2J26010	10/29/12 17:10
7440-23-5	Sodium	**21800**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:10

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-22
Sampled:	10/10/12 10:21	Received:	10/12/12 08:35
% 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	2J17020	10/17/12 17:25
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 17:25

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J11024-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	30.0	60.0	100	1	U	SW6010B	2J11024	10/11/12 16:17
7439-96-5	Manganese (dissolved)	ND	3.00	6.00	15.0	1	U	SW6010B	2J11024	10/11/12 16:17

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids:

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J11024-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1053**	30.0	60.0	100	1		SW6010B	2J11024	10/11/12 16:22
7439-96-5	Manganese (dissolved)	**529.8**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 16:22

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J11024-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	150	300	500	5	U	SW6010B	2J11024	10/11/12 18:20
7439-96-5	Manganese (dissolved)	ND	15.0	30.0	75.0	5	U	SW6010B	2J11024	10/11/12 18:20

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J11024-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1086**	30.0	60.0	100	1		SW6010B	2J11024	10/11/12 18:10
7439-96-5	Manganese (dissolved)	**537.9**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 18:10

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J11024-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1110**	30.0	60.0	100	1		SW6010B	2J11024	10/11/12 18:14
7439-96-5	Manganese (dissolved)	**535.4**	3.00	6.00	15.0	1		SW6010B	2J11024	10/11/12 18:14

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J12024-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	30.0	60.0	100	1	U	SW6010B	2J12024	10/12/12 15:31
7439-96-5	Manganese (dissolved)	ND	3.00	6.00	15.0	1	U	SW6010B	2J12024	10/12/12 15:31

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J12024-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1130**	30.0	60.0	100	1		SW6010B	2J12024	10/12/12 15:36
7439-96-5	Manganese (dissolved)	**538.0**	3.00	6.00	15.0	1		SW6010B	2J12024	10/12/12 15:36

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J12024-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	150	300	500	5	U	SW6010B	2J12024	10/12/12 16:23
7439-96-5	Manganese (dissolved)	ND	15.0	30.0	75.0	5	U	SW6010B	2J12024	10/12/12 16:23

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J12024-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1136**	30.0	60.0	100	1		SW6010B	2J12024	10/12/12 16:13
7439-96-5	Manganese (dissolved)	**548.3**	3.00	6.00	15.0	1		SW6010B	2J12024	10/12/12 16:13

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J12024-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1146**	30.0	60.0	100	1		SW6010B	2J12024	10/12/12 16:17
7439-96-5	Manganese (dissolved)	**549.2**	3.00	6.00	15.0	1		SW6010B	2J12024	10/12/12 16:17

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	30.0	60.0	100	1	U	SW6010B	2J17020	10/17/12 16:20
7439-96-5	Manganese (dissolved)	ND	3.00	6.00	15.0	1	U	SW6010B	2J17020	10/17/12 16:20

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**993.0**	30.0	60.0	100	1		SW6010B	2J17020	10/17/12 16:25
7439-96-5	Manganese (dissolved)	**500.9**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 16:25

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	150	300	500	5	U	SW6010B	2J17020	10/17/12 16:54
7439-96-5	Manganese (dissolved)	ND	15.0	30.0	75.0	5	U	SW6010B	2J17020	10/17/12 16:54

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J17020-DUP2

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	150	300	500	5	U	SW6010B	2J17020	10/17/12 17:57
7439-96-5	Manganese (dissolved)	ND	15.0	30.0	75.0	5	U	SW6010B	2J17020	10/17/12 17:57

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J17020-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1038**	30.0	60.0	100	1		SW6010B	2J17020	10/17/12 16:45
7439-96-5	Manganese (dissolved)	**512.2**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 16:45

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-MS2

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1072**	30.0	60.0	100	1		SW6010B	2J17020	10/17/12 17:47
7439-96-5	Manganese (dissolved)	**513.5**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 17:47

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J17020-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1029**	30.0	60.0	100	1		SW6010B	2J17020	10/17/12 16:49
7439-96-5	Manganese (dissolved)	**510.0**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 16:49

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-MSD2

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1065**	30.0	60.0	100	1		SW6010B	2J17020	10/17/12 17:52
7439-96-5	Manganese (dissolved)	**507.1**	3.00	6.00	15.0	1		SW6010B	2J17020	10/17/12 17:52

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J19015-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2J19015	10/22/12 16:33
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2J19015	10/22/12 16:33
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2J19015	10/22/12 16:33
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2J19015	10/22/12 16:33
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2J19015	10/22/12 16:33

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J19015-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**5574**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 16:38
7439-92-1	Lead	**259.4**	1.50	3.00	3.00	1		SW6010B	2J19015	10/22/12 16:38
7439-95-4	Magnesium	**5215**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 16:38
7440-09-7	Potassium	**5249**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 16:38
7440-23-5	Sodium	**5379**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 16:38

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J19015-DUP1
% Solids: 0.00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**88130**	5000	10000	25000	5	D	SW6010B	2J19015	10/22/12 17:44
7439-92-1	Lead	ND	7.50	15.0	15.0	5	U	SW6010B	2J19015	10/22/12 17:44
7439-95-4	Magnesium	**11520**	5000	15000	25000	5	J D	SW6010B	2J19015	10/22/12 17:44
7440-09-7	Potassium	ND	5000	15000	25000	5	U	SW6010B	2J19015	10/22/12 17:44
7440-23-5	Sodium	**37300**	5000	15000	25000	5	D	SW6010B	2J19015	10/22/12 17:44

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J19015-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**91430**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 17:30
7439-92-1	Lead	**257.7**	1.50	3.00	3.00	1		SW6010B	2J19015	10/22/12 17:30
7439-95-4	Magnesium	**16280**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:30
7440-09-7	Potassium	**8404**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:30
7440-23-5	Sodium	**42030**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:30

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J19015-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**89780**	1000	2000	5000	1		SW6010B	2J19015	10/22/12 17:35
7439-92-1	Lead	**255.1**	1.50	3.00	3.00	1		SW6010B	2J19015	10/22/12 17:35
7439-95-4	Magnesium	**16100**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:35
7440-09-7	Potassium	**8368**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:35
7440-23-5	Sodium	**41290**	1000	3000	5000	1		SW6010B	2J19015	10/22/12 17:35

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24021-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2J24021	10/25/12 15:44
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2J24021	10/25/12 15:44
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2J24021	10/25/12 15:44
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2J24021	10/25/12 15:44
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2J24021	10/25/12 15:44

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24021-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**5100**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 15:48
7439-92-1	Lead	**246.4**	1.50	3.00	3.00	1		SW6010B	2J24021	10/25/12 15:48
7439-95-4	Magnesium	**4912**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 15:48
7440-09-7	Potassium	**4907**	1000	3000	5000	1	J	SW6010B	2J24021	10/25/12 15:48
7440-23-5	Sodium	**5079**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 15:48

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24021-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**72380**	5000	10000	25000	5	D	SW6010B	2J24021	10/25/12 16:13
7439-92-1	Lead	ND	7.50	15.0	15.0	5	U	SW6010B	2J24021	10/25/12 16:13
7439-95-4	Magnesium	**9690**	5000	15000	25000	5	J D	SW6010B	2J24021	10/25/12 16:13
7440-09-7	Potassium	ND	5000	15000	25000	5	U	SW6010B	2J24021	10/25/12 16:13
7440-23-5	Sodium	**31580**	5000	15000	25000	5	D	SW6010B	2J24021	10/25/12 16:13

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24021-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**73640**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 15:59
7439-92-1	Lead	**247.5**	1.50	3.00	3.00	1		SW6010B	2J24021	10/25/12 15:59
7439-95-4	Magnesium	**13920**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 15:59
7440-09-7	Potassium	**8170**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 15:59
7440-23-5	Sodium	**35100**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 15:59

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24021-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**72530**	1000	2000	5000	1		SW6010B	2J24021	10/25/12 16:03
7439-92-1	Lead	**248.7**	1.50	3.00	3.00	1		SW6010B	2J24021	10/25/12 16:03
7439-95-4	Magnesium	**13770**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:03
7440-09-7	Potassium	**8118**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:03
7440-23-5	Sodium	**34410**	1000	3000	5000	1		SW6010B	2J24021	10/25/12 16:03

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2J26010	10/29/12 16:01
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2J26010	10/29/12 16:01
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2J26010	10/29/12 16:01
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2J26010	10/29/12 16:01
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2J26010	10/29/12 16:01

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**5312**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:05
7439-92-1	Lead	**253.0**	1.50	3.00	3.00	1		SW6010B	2J26010	10/29/12 16:05
7439-95-4	Magnesium	**5136**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:05
7440-09-7	Potassium	**5049**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:05
7440-23-5	Sodium	**5193**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:05

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**85330**	5000	10000	25000	5	D	SW6010B	2J26010	10/29/12 16:39
7439-92-1	Lead	ND	7.50	15.0	15.0	5	U	SW6010B	2J26010	10/29/12 16:39
7439-95-4	Magnesium	**11290**	5000	15000	25000	5	J D	SW6010B	2J26010	10/29/12 16:39
7440-09-7	Potassium	ND	5000	15000	25000	5	U	SW6010B	2J26010	10/29/12 16:39
7440-23-5	Sodium	**33710**	5000	15000	25000	5	D	SW6010B	2J26010	10/29/12 16:39

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-DUP2

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**44700**	5000	10000	25000	5	D	SW6010B	2J26010	10/29/12 17:47
7439-92-1	Lead	ND	7.50	15.0	15.0	5	U	SW6010B	2J26010	10/29/12 17:47
7439-95-4	Magnesium	**5990**	5000	15000	25000	5	J D	SW6010B	2J26010	10/29/12 17:47
7440-09-7	Potassium	ND	5000	15000	25000	5	U	SW6010B	2J26010	10/29/12 17:47
7440-23-5	Sodium	**24670**	5000	15000	25000	5	J D	SW6010B	2J26010	10/29/12 17:47

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**88390**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:25
7439-92-1	Lead	**266.2**	1.50	3.00	3.00	1		SW6010B	2J26010	10/29/12 16:25
7439-95-4	Magnesium	**16050**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:25
7440-09-7	Potassium	**8914**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:25
7440-23-5	Sodium	**38360**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:25

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-MS2

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**49570**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 17:33
7439-92-1	Lead	**269.8**	1.50	3.00	3.00	1		SW6010B	2J26010	10/29/12 17:33
7439-95-4	Magnesium	**11000**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:33
7440-09-7	Potassium	**7945**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:33
7440-23-5	Sodium	**29720**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:33

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**86680**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 16:29
7439-92-1	Lead	**259.1**	1.50	3.00	3.00	1		SW6010B	2J26010	10/29/12 16:29
7439-95-4	Magnesium	**16160**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:29
7440-09-7	Potassium	**9024**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:29
7440-23-5	Sodium	**37720**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 16:29

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-MSD2

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**47810**	1000	2000	5000	1		SW6010B	2J26010	10/29/12 17:38
7439-92-1	Lead	**271.6**	1.50	3.00	3.00	1		SW6010B	2J26010	10/29/12 17:38
7439-95-4	Magnesium	**10920**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:38
7440-09-7	Potassium	**8005**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:38
7440-23-5	Sodium	**28820**	1000	3000	5000	1		SW6010B	2J26010	10/29/12 17:38

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2286001
Sequence: 2J28512

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J28512-ICV1	Iron (dissolved)	10000	10040	100	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	992.6	99.3	ug/L	+/- 10.00%
2J28512-CCV1	Iron (dissolved)	10000	10280	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1014	101	ug/L	+/- 10.00%
2J28512-CCV5	Iron (dissolved)	10000	10240	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1030	103	ug/L	+/- 10.00%
2J28512-CCV6	Iron (dissolved)	10000	10200	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1040	104	ug/L	+/- 10.00%
2J28512-CCV7	Iron (dissolved)	10000	10580	106	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1056	106	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2286002
Sequence: 2J28608

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J28608-ICV1	Iron (dissolved)	10000	10800	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1048	105	ug/L	+/- 10.00%
2J28608-CCV1	Iron (dissolved)	10000	10640	106	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	105	ug/L	+/- 10.00%
2J28608-CCV5	Iron (dissolved)	10000	10730	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1061	106	ug/L	+/- 10.00%
2J28608-CCV6	Iron (dissolved)	10000	10800	108	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1048	105	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_065
Project: Kirtland AFB 2011
Calibration: 2291004
Sequence: 2J29110

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29110-ICV1	Iron (dissolved)	10000	10140	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1020	102	ug/L	+/- 10.00%
2J29110-CCV1	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1066	107	ug/L	+/- 10.00%
2J29110-CCV3	Iron (dissolved)	10000	10120	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1034	103	ug/L	+/- 10.00%
2J29110-CCV4	Iron (dissolved)	10000	10540	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1035	104	ug/L	+/- 10.00%
2J29110-CCV5	Iron (dissolved)	10000	10260	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1022	102	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_065
Project: Kirtland AFB 2011
Calibration: 2297002
Sequence: 2J29701

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29701-ICV1	Calcium	50000	51280	103	ug/L	+/- 10.00%
	Lead	1000	964.8	96.5	ug/L	+/- 10.00%
	Magnesium	50000	50020	100	ug/L	+/- 10.00%
	Potassium	10000	9634	96.3	ug/L	+/- 10.00%
	Sodium	50000	50500	101	ug/L	+/- 10.00%
2J29701-CCV1	Calcium	50000	52200	104	ug/L	+/- 10.00%
	Lead	1000	983.0	98.3	ug/L	+/- 10.00%
	Magnesium	50000	49680	99.4	ug/L	+/- 10.00%
	Potassium	10000	10000	100	ug/L	+/- 10.00%
	Sodium	50000	51050	102	ug/L	+/- 10.00%
2J29701-CCV4	Calcium	50000	52640	105	ug/L	+/- 10.00%
	Lead	1000	991.4	99.1	ug/L	+/- 10.00%
	Magnesium	50000	49900	99.8	ug/L	+/- 10.00%
	Potassium	10000	10270	103	ug/L	+/- 10.00%
	Sodium	50000	51710	103	ug/L	+/- 10.00%
2J29701-CCV5	Calcium	50000	53530	107	ug/L	+/- 10.00%
	Lead	1000	995.9	99.6	ug/L	+/- 10.00%
	Magnesium	50000	50110	100	ug/L	+/- 10.00%
	Potassium	10000	10360	104	ug/L	+/- 10.00%
	Sodium	50000	52510	105	ug/L	+/- 10.00%
2J29701-CCV6	Calcium	50000	54270	109	ug/L	+/- 10.00%
	Lead	1000	997.7	99.8	ug/L	+/- 10.00%
	Magnesium	50000	50130	100	ug/L	+/- 10.00%
	Potassium	10000	10790	108	ug/L	+/- 10.00%
	Sodium	50000	53060	106	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2299006
Sequence: 2J29918

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29918-ICV1	Calcium	50000	52300	105	ug/L	+/- 10.00%
	Lead	1000	961.1	96.1	ug/L	+/- 10.00%
	Magnesium	50000	49660	99.3	ug/L	+/- 10.00%
	Potassium	10000	9958	99.6	ug/L	+/- 10.00%
	Sodium	50000	50940	102	ug/L	+/- 10.00%
2J29918-CCV1	Calcium	50000	50940	102	ug/L	+/- 10.00%
	Lead	1000	975.6	97.6	ug/L	+/- 10.00%
	Magnesium	50000	49930	99.9	ug/L	+/- 10.00%
	Potassium	10000	9953	99.5	ug/L	+/- 10.00%
	Sodium	50000	51800	104	ug/L	+/- 10.00%
2J29918-CCV5	Calcium	50000	51640	103	ug/L	+/- 10.00%
	Lead	1000	973.0	97.3	ug/L	+/- 10.00%
	Magnesium	50000	49290	98.6	ug/L	+/- 10.00%
	Potassium	10000	9980	99.8	ug/L	+/- 10.00%
	Sodium	50000	51360	103	ug/L	+/- 10.00%
2J29918-CCV6	Calcium	50000	50340	101	ug/L	+/- 10.00%
	Lead	1000	962.9	96.3	ug/L	+/- 10.00%
	Magnesium	50000	48300	96.6	ug/L	+/- 10.00%
	Potassium	10000	10010	100	ug/L	+/- 10.00%
	Sodium	50000	51550	103	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2303002
Sequence: 2J30316

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30316-ICV1	Calcium	50000	51340	103	ug/L	+/- 10.00%
	Lead	1000	972.1	97.2	ug/L	+/- 10.00%
	Magnesium	50000	51200	102	ug/L	+/- 10.00%
	Potassium	10000	10110	101	ug/L	+/- 10.00%
	Sodium	50000	51220	102	ug/L	+/- 10.00%
2J30316-CCV1	Calcium	50000	51460	103	ug/L	+/- 10.00%
	Lead	1000	969.0	96.9	ug/L	+/- 10.00%
	Magnesium	50000	51190	102	ug/L	+/- 10.00%
	Potassium	10000	10140	101	ug/L	+/- 10.00%
	Sodium	50000	51500	103	ug/L	+/- 10.00%
2J30316-CCV4	Calcium	50000	51700	103	ug/L	+/- 10.00%
	Lead	1000	981.6	98.2	ug/L	+/- 10.00%
	Magnesium	50000	50360	101	ug/L	+/- 10.00%
	Potassium	10000	10040	100	ug/L	+/- 10.00%
	Sodium	50000	51880	104	ug/L	+/- 10.00%
2J30316-CCV5	Calcium	50000	50880	102	ug/L	+/- 10.00%
	Lead	1000	1002	100	ug/L	+/- 10.00%
	Magnesium	50000	49600	99.2	ug/L	+/- 10.00%
	Potassium	10000	10050	100	ug/L	+/- 10.00%
	Sodium	50000	51140	102	ug/L	+/- 10.00%
2J30316-CCV6	Calcium	50000	48700	97.4	ug/L	+/- 10.00%
	Lead	1000	985.4	98.5	ug/L	+/- 10.00%
	Magnesium	50000	47150	94.3	ug/L	+/- 10.00%
	Potassium	10000	9846	98.5	ug/L	+/- 10.00%
	Sodium	50000	49030	98.1	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2286001

Sequence: 2J28512

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J28512-CRL1	Iron (dissolved)	60.00	62.08	103	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.257	104	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2286002

Sequence: 2J28608

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J28608-CRL1	Iron (dissolved)	60.00	71.50	119	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.448	107	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2291004

Sequence: 2J29110

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J29110-CRL1	Iron (dissolved)	60.00	64.82	108	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.475	108	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2297002

Sequence: 2J29701

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J29701-CRL1	Calcium	2000	2164	108	ug/L	80 - 120
	Magnesium	3000	3145	105	ug/L	80 - 120
	Potassium	3000	3002	100	ug/L	80 - 120
	Sodium	3000	3114	104	ug/L	80 - 120
2J29701-CRL2	Lead	3.000	2.990	99.7	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2299006

Sequence: 2J29918

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J29918-CRL1	Calcium	2000	2142	107	ug/L	80 - 120
	Lead	3.000	2.870	95.7	ug/L	80 - 120
	Magnesium	3000	3138	105	ug/L	80 - 120
	Potassium	3000	3075	103	ug/L	80 - 120
	Sodium	3000	3145	105	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2303002

Sequence: 2J30316

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J30316-CRL1	Calcium	2000	2035	102	ug/L	80 - 120
	Lead	3.000	3.001	100	ug/L	80 - 120
	Magnesium	3000	3040	101	ug/L	80 - 120
	Potassium	3000	2978	99.2	ug/L	80 - 120
	Sodium	3000	2964	98.8	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J28512
Calibration: 2286001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J28512-ICB1	Iron (dissolved)	-2.000	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.006010	3.00	15.0	ug/L	U	SW6010B
2J28512-CCB1	Iron (dissolved)	-0.135	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0222	3.00	15.0	ug/L	U	SW6010B
2J28512-CCB5	Iron (dissolved)	-1.61	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.102	3.00	15.0	ug/L	U	SW6010B
2J11024-BLK1	Iron (dissolved)	0.929	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0155	3.00	15.0	ug/L	U	SW6010B
2J28512-CCB6	Iron (dissolved)	-0.166	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.250	3.00	15.0	ug/L	U	SW6010B
2J28512-CCB7	Iron (dissolved)	0.362	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.170	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J28608
Calibration: 2286002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J28608-ICB1	Iron (dissolved)	1.577	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.003730	3.00	15.0	ug/L	U	SW6010B
2J28608-CCB1	Iron (dissolved)	2.99	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0329	3.00	15.0	ug/L	U	SW6010B
2J28608-CCB5	Iron (dissolved)	2.51	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.265	3.00	15.0	ug/L	U	SW6010B
2J12024-BLK1	Iron (dissolved)	1.52	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.107	3.00	15.0	ug/L	U	SW6010B
2J28608-CCB6	Iron (dissolved)	1.07	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0895	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J29110
Calibration: 2291004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29110-ICB1	Iron (dissolved)	1.866	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.03475	3.00	15.0	ug/L	U	SW6010B
2J29110-CCB1	Iron (dissolved)	1.48	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0143	3.00	15.0	ug/L	U	SW6010B
2J29110-CCB3	Iron (dissolved)	8.29	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.132	3.00	15.0	ug/L	U	SW6010B
2J17020-BLK1	Iron (dissolved)	0.886	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.00870	3.00	15.0	ug/L	U	SW6010B
2J29110-CCB4	Iron (dissolved)	2.21	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0918	3.00	15.0	ug/L	U	SW6010B
2J29110-CCB5	Iron (dissolved)	0.893	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.171	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J29701
Calibration: 2297002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29701-ICB1	Calcium	-0.9100	1000	5000	ug/L	U	SW6010B
	Lead	0.6862	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.270	1000	5000	ug/L	U	SW6010B
	Potassium	14.49	1000	5000	ug/L	U	SW6010B
	Sodium	-3.220	1000	5000	ug/L	U	SW6010B
2J29701-CCB1	Calcium	2.61	1000	5000	ug/L	U	SW6010B
	Lead	0.253	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.700	1000	5000	ug/L	U	SW6010B
	Potassium	-2.58	1000	5000	ug/L	U	SW6010B
	Sodium	-4.91	1000	5000	ug/L	U	SW6010B
2J29701-CCB4	Calcium	17.0	1000	5000	ug/L	U	SW6010B
	Lead	-0.362	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.36	1000	5000	ug/L	U	SW6010B
	Potassium	20.4	1000	5000	ug/L	U	SW6010B
	Sodium	14.6	1000	5000	ug/L	U	SW6010B
2J19015-BLK1	Calcium	21.3	1000	5000	ug/L	U	SW6010B
	Lead	-0.207	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.63	1000	5000	ug/L	U	SW6010B
	Potassium	29.1	1000	5000	ug/L	U	SW6010B
	Sodium	15.4	1000	5000	ug/L	U	SW6010B
2J29701-CCB5	Calcium	3.21	1000	5000	ug/L	U	SW6010B
	Lead	-0.132	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-7.72	1000	5000	ug/L	U	SW6010B
	Potassium	-1.81	1000	5000	ug/L	U	SW6010B
	Sodium	8.52	1000	5000	ug/L	U	SW6010B
2J29701-CCB6	Calcium	6.91	1000	5000	ug/L	U	SW6010B
	Lead	0.167	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.870	1000	5000	ug/L	U	SW6010B
	Potassium	12.9	1000	5000	ug/L	U	SW6010B
	Sodium	107	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J29918
Calibration: 2299006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29918-ICB1	Calcium	-0.8900	1000	5000	ug/L	U	SW6010B
	Lead	0.4459	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.480	1000	5000	ug/L	U	SW6010B
	Potassium	9.810	1000	5000	ug/L	U	SW6010B
	Sodium	-2.220	1000	5000	ug/L	U	SW6010B
2J29918-CCB1	Calcium	-0.900	1000	5000	ug/L	U	SW6010B
	Lead	0.713	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.0	1000	5000	ug/L	U	SW6010B
	Potassium	9.31	1000	5000	ug/L	U	SW6010B
	Sodium	8.22	1000	5000	ug/L	U	SW6010B
2J29918-CCB5	Calcium	17.0	1000	5000	ug/L	U	SW6010B
	Lead	0.734	1.50	3.00	ug/L	U	SW6010B
	Magnesium	12.8	1000	5000	ug/L	U	SW6010B
	Potassium	15.1	1000	5000	ug/L	U	SW6010B
	Sodium	12.1	1000	5000	ug/L	U	SW6010B
2J24021-BLK1	Calcium	16.4	1000	5000	ug/L	U	SW6010B
	Lead	0.150	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.22	1000	5000	ug/L	U	SW6010B
	Potassium	32.4	1000	5000	ug/L	U	SW6010B
	Sodium	12.2	1000	5000	ug/L	U	SW6010B
2J29918-CCB6	Calcium	0.520	1000	5000	ug/L	U	SW6010B
	Lead	0.800	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.26	1000	5000	ug/L	U	SW6010B
	Potassium	22.2	1000	5000	ug/L	U	SW6010B
	Sodium	6.98	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J30316
Calibration: 2303002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30316-ICB1	Calcium	2.540	1000	5000	ug/L	U	SW6010B
	Lead	-0.07753	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.7400	1000	5000	ug/L	U	SW6010B
	Potassium	-16.73	1000	5000	ug/L	U	SW6010B
	Sodium	-4.590	1000	5000	ug/L	U	SW6010B
2J30316-CCB1	Calcium	-0.770	1000	5000	ug/L	U	SW6010B
	Lead	-0.127	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.76	1000	5000	ug/L	U	SW6010B
	Potassium	-13.5	1000	5000	ug/L	U	SW6010B
	Sodium	-1.17	1000	5000	ug/L	U	SW6010B
2J30316-CCB4	Calcium	12.9	1000	5000	ug/L	U	SW6010B
	Lead	-0.198	1.50	3.00	ug/L	U	SW6010B
	Magnesium	14.4	1000	5000	ug/L	U	SW6010B
	Potassium	-2.66	1000	5000	ug/L	U	SW6010B
	Sodium	81.9	1000	5000	ug/L	U	SW6010B
2J26010-BLK1	Calcium	18.6	1000	5000	ug/L	U	SW6010B
	Lead	0.221	1.50	3.00	ug/L	U	SW6010B
	Magnesium	15.4	1000	5000	ug/L	U	SW6010B
	Potassium	8.80	1000	5000	ug/L	U	SW6010B
	Sodium	68.8	1000	5000	ug/L	U	SW6010B
2J30316-CCB5	Calcium	14.8	1000	5000	ug/L	U	SW6010B
	Lead	0.393	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.0	1000	5000	ug/L	U	SW6010B
	Potassium	3.74	1000	5000	ug/L	U	SW6010B
	Sodium	24.6	1000	5000	ug/L	U	SW6010B
2J30316-CCB6	Calcium	52.2	1000	5000	ug/L	U	SW6010B
	Lead	-0.692	1.50	3.00	ug/L	U	SW6010B
	Magnesium	16.2	1000	5000	ug/L	U	SW6010B
	Potassium	58.1	1000	5000	ug/L	U	SW6010B
	Sodium	291	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2286001

Sequence: 2J28512

Lab Sample ID	Analyte	True	Found	%R	Units
2J28512-IFA1	Iron (dissolved)	200000	194,670.00	97.3	ug/L
	Manganese (dissolved)		-4.56		ug/L
2J28512-IFB1	Iron (dissolved)	200000	200,840.00	100	ug/L
	Manganese (dissolved)	500.0	493.37	98.7	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2286002
Sequence: 2J28608

Lab Sample ID	Analyte	True	Found	%R	Units
2J28608-IFA1	Iron (dissolved)	200000	210,770.00	105	ug/L
	Manganese (dissolved)		-4.97		ug/L
2J28608-IFB1	Iron (dissolved)	200000	209,440.00	105	ug/L
	Manganese (dissolved)	500.0	506.09	101	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2291004

Sequence: 2J29110

Lab Sample ID	Analyte	True	Found	%R	Units
2J29110-IFA1	Iron (dissolved)	200000	197,410.00	98.7	ug/L
	Manganese (dissolved)		-4.41		ug/L
2J29110-IFB1	Iron (dissolved)	200000	195,830.00	97.9	ug/L
	Manganese (dissolved)	500.0	474.60	94.9	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2297002
Sequence: 2J29701

Lab Sample ID	Analyte	True	Found	%R	Units
2J29701-IFA1	Calcium	500000	494,760.00	99.0	ug/L
	Lead		-2.68		ug/L
	Magnesium	500000	496,930.00	99.4	ug/L
	Potassium		-58.20		ug/L
	Sodium		33.71		ug/L
2J29701-IFB1	Calcium	500000	495,470.00	99.1	ug/L
	Lead	50.00	46.52	93.0	ug/L
	Magnesium	500000	500,610.00	100	ug/L
	Potassium		-52.99		ug/L
	Sodium		48.16		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2299006
Sequence: 2J29918

Lab Sample ID	Analyte	True	Found	%R	Units
2J29918-IFA1	Calcium	500000	487,620.00	97.5	ug/L
	Lead		7.91		ug/L
	Magnesium	500000	491,080.00	98.2	ug/L
	Potassium		-47.54		ug/L
	Sodium		43.46		ug/L
2J29918-IFB1	Calcium	500000	515,770.00	103	ug/L
	Lead	50.00	49.01	98.0	ug/L
	Magnesium	500000	497,160.00	99.4	ug/L
	Potassium		-56.79		ug/L
	Sodium		59.70		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2303002
Sequence: 2J30316

Lab Sample ID	Analyte	True	Found	%R	Units
2J30316-IFA1	Calcium	500000	461,310.00	92.3	ug/L
	Lead		7.36		ug/L
	Magnesium	500000	459,630.00	91.9	ug/L
	Potassium		-29.74		ug/L
	Sodium		31.61		ug/L
2J30316-IFB1	Calcium	500000	472,860.00	94.6	ug/L
	Lead	50.00	53.77	108	ug/L
	Magnesium	500000	473,230.00	94.6	ug/L
	Potassium		-39.79		ug/L
	Sodium		32.80		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0782

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J11024

% Solids:

Source Sample Name: **1210102-14**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1086	109		80 - 120
Manganese (dissolved)	500.0	ND	537.9	108		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1110	111	2.20		20	80 - 120
Manganese (dissolved)	500.0	535.4	107	0.475		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0798

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J12024

% Solids:

Source Sample Name: **1210102-28**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1136	114		80 - 120
Manganese (dissolved)	500.0	ND	548.3	110		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1146	115	0.920		20	80 - 120
Manganese (dissolved)	500.0	549.2	110	0.162		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J17020

% Solids:

Source Sample Name: **1210135-06**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1038	104		80 - 120
Manganese (dissolved)	500.0	ND	512.2	102		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1029	103	0.852		20	80 - 120
Manganese (dissolved)	500.0	510.0	102	0.427		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J17020

% Solids:

Source Sample Name: **1210135-20**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1072	107		80 - 120
Manganese (dissolved)	500.0	ND	513.5	103		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1065	107	0.627		20	80 - 120
Manganese (dissolved)	500.0	507.1	101	1.26		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0771

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J19015

% Solids:

Source Sample Name: **1210102-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	85750	91430	114		80 - 120
Lead	250.0	ND	257.7	103		80 - 120
Magnesium	5000	11110	16280	103		80 - 120
Potassium	5000	3070	8404	107		80 - 120
Sodium	5000	36540	42030	110		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	89780	80.7	1.82		20	80 - 120
Lead	250.0	255.1	102	1.02		20	80 - 120
Magnesium	5000	16100	99.8	1.15		20	80 - 120
Potassium	5000	8368	106	0.430		20	80 - 120
Sodium	5000	41290	95.0	1.77		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0778

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24021

% Solids:

Source Sample Name: **1210102-11**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	71520	73640	42.3	4x	80 - 120
Lead	250.0	ND	247.5	99.0		80 - 120
Magnesium	5000	9336	13920	91.6		80 - 120
Potassium	5000	3299	8170	97.4		80 - 120
Sodium	5000	31120	35100	79.6	4x	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	72530	20.3	1.51	4x	20	80 - 120
Lead	250.0	248.7	99.5	0.476		20	80 - 120
Magnesium	5000	13770	88.7	1.05		20	80 - 120
Potassium	5000	8118	96.4	0.641		20	80 - 120
Sodium	5000	34410	66.0	1.97	4x	20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J26010

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	83560	88390	96.5		80 - 120
Lead	250.0	ND	266.2	106		80 - 120
Magnesium	5000	10890	16050	103		80 - 120
Potassium	5000	3672	8914	105		80 - 120
Sodium	5000	33190	38360	103		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	86680	62.2	1.96	4x	20	80 - 120
Lead	250.0	259.1	104	2.72		20	80 - 120
Magnesium	5000	16160	105	0.652		20	80 - 120
Potassium	5000	9024	107	1.22		20	80 - 120
Sodium	5000	37720	90.6	1.67		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J26010

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	44620	49570	99.1		80 - 120
Lead	250.0	ND	269.8	108		80 - 120
Magnesium	5000	5831	11000	103		80 - 120
Potassium	5000	2659	7945	106		80 - 120
Sodium	5000	24630	29720	102		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	47810	63.9	3.61	4x	20	80 - 120
Lead	250.0	271.6	109	0.632		20	80 - 120
Magnesium	5000	10920	102	0.721		20	80 - 120
Potassium	5000	8005	107	0.751		20	80 - 120
Sodium	5000	28820	83.7	3.09		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0771

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J19015-PS1
Batch: 2J19015
Lab Source ID: 1210102-09
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	90080	85750	5000	86.6	80 - 120
Lead	256.9	ND	250.0	103	80 - 120
Magnesium	16080	11110	5000	99.5	80 - 120
Potassium	8379	3070	5000	106	80 - 120
Sodium	41410	36540	5000	97.3	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0778

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J24021-PS1
Batch: 2J24021
Lab Source ID: 1210102-11
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	76260	71520	5000	94.7	80 - 120
Lead	250.4	ND	250.0	100	80 - 120
Magnesium	14210	9336	5000	97.5	80 - 120
Potassium	8251	3299	5000	99.0	80 - 120
Sodium	35840	31120	5000	94.5	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0793

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J26010-PS1
Batch: 2J26010
Lab Source ID: 1210135-05
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	**87090**	**83560**	**5000**	**70.4**	**80 - 120**
Lead	260.4	ND	250.0	104	80 - 120
Magnesium	15850	10890	5000	99.1	80 - 120
Potassium	8914	3672	5000	105	80 - 120
Sodium	37840	33190	5000	93.0	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0869

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J26010
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-PS2
Lab Source ID: 1210135-19
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	**48520**	**44620**	**5000**	**78.1**	**80 - 120**
Lead	266.2	ND	250.0	106	80 - 120
Magnesium	10860	5831	5000	101	80 - 120
Potassium	7907	2659	5000	105	80 - 120
Sodium	29140	24630	5000	90.3	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J11024	Laboratory ID:	2J11024-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	1053	105	80 - 120
Manganese (dissolved)	500.0	529.8	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J12024	Laboratory ID:	2J12024-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	1130	113	80 - 120
Manganese (dissolved)	500.0	538.0	108	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J17020	Laboratory ID:	2J17020-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	993.0	99.3	80 - 120
Manganese (dissolved)	500.0	500.9	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19015	Laboratory ID:	2J19015-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	5574	111	80 - 120
Lead	250.0	259.4	104	80 - 120
Magnesium	5000	5215	104	80 - 120
Potassium	5000	5249	105	80 - 120
Sodium	5000	5379	108	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24021	Laboratory ID:	2J24021-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	5100	102	80 - 120
Lead	250.0	246.4	98.6	80 - 120
Magnesium	5000	4912	98.2	80 - 120
Potassium	5000	4907	98.1	80 - 120
Sodium	5000	5079	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J26010	Laboratory ID:	2J26010-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	5312	106	80 - 120
Lead	250.0	253.0	101	80 - 120
Magnesium	5000	5136	103	80 - 120
Potassium	5000	5049	101	80 - 120
Sodium	5000	5193	104	80 - 120

SERIAL DILUTION

SW6010B

GW0782

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J28512
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J11024-DUP1
Lab Source ID: 1210102-14
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

GW0798

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J28608
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J12024-DUP1
Lab Source ID: 1210102-28
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

GW0793

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J29110
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-DUP1
Lab Source ID: 1210135-06
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0869

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J29110
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J17020-DUP2
Lab Source ID: 1210135-20
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0771

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J29701
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J19015-DUP1
Lab Source ID: 1210102-09
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	85747	88130	2.78		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	11108	11515	3.66		SW6010B	10.00
Potassium	3069.8	ND			SW6010B	10.00
Sodium	36543	37299	2.07		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0778

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J29918
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24021-DUP1
Lab Source ID: 1210102-11
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	71521	72385	1.21		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	9335.6	9690	3.8		SW6010B	10.00
Potassium	3299	ND			SW6010B	10.00
Sodium	31115	31577	1.48		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0793

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J30316
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-DUP1
Lab Source ID: 1210135-05
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	83565	85330	2.11		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	10894	11293	3.66		SW6010B	10.00
Potassium	3671.7	ND			SW6010B	10.00
Sodium	33188	33709	1.57		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0869

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J30316
Preparation: MET_3005A

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J26010-DUP2
Lab Source ID: 1210135-19
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	44618	44695	0.174		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	5831.4	5989.5	2.71		SW6010B	10.00
Potassium	2659.2	ND			SW6010B	10.00
Sodium	24632	24673	0.166		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_065

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_065

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_065

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_065

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_065

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_065

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_065

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 12/30/2011

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J11024 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-02	10/11/12 14:29	50.00	50.00
GW0753	1210102-04	10/11/12 14:29	50.00	50.00
GW0769	1210102-06	10/11/12 14:29	50.00	50.00
GW0770	1210102-08	10/11/12 14:29	50.00	50.00
GW0771	1210102-10	10/11/12 14:29	50.00	50.00
GW0778	1210102-12	10/11/12 14:29	50.00	50.00
GW0782	1210102-14	10/11/12 14:29	50.00	50.00
Blank	2J11024-BLK1	10/11/12 14:29	50.00	50.00
LCS	2J11024-BS1	10/11/12 14:29	50.00	50.00
GW0782	2J11024-DUP1	10/11/12 14:29	50.00	50.00
GW0782	2J11024-MS1	10/11/12 14:29	50.00	50.00
GW0782	2J11024-MSD1	10/11/12 14:29	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J12024 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0783	1210102-16	10/12/12 12:36	50.00	50.00
GW0784	1210102-18	10/12/12 12:36	50.00	50.00
GW0785	1210102-20	10/12/12 12:36	50.00	50.00
GW0795	1210102-22	10/12/12 12:36	50.00	50.00
GW0796	1210102-24	10/12/12 12:36	50.00	50.00
GW0797	1210102-26	10/12/12 12:36	50.00	50.00
GW0798	1210102-28	10/12/12 12:36	50.00	50.00
Blank	2J12024-BLK1	10/12/12 12:36	50.00	50.00
LCS	2J12024-BS1	10/12/12 12:36	50.00	50.00
GW0798	2J12024-DUP1	10/12/12 12:36	50.00	50.00
GW0798	2J12024-MS1	10/12/12 12:36	50.00	50.00
GW0798	2J12024-MSD1	10/12/12 12:36	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J17020 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-02	10/17/12 11:17	50.00	50.00
GW0768	1210135-04	10/17/12 11:17	50.00	50.00
GW0793	1210135-06	10/17/12 11:17	50.00	50.00
GW0794	1210135-08	10/17/12 11:17	50.00	50.00
GW0844	1210135-10	10/17/12 11:17	50.00	50.00
GW0845	1210135-12	10/17/12 11:17	50.00	50.00
GW0846	1210135-14	10/17/12 11:17	50.00	50.00
GW0847	1210135-16	10/17/12 11:17	50.00	50.00
GW0868	1210135-18	10/17/12 11:17	50.00	50.00
GW0869	1210135-20	10/17/12 11:17	50.00	50.00
GW0870	1210135-22	10/17/12 11:17	50.00	50.00
Blank	2J17020-BLK1	10/17/12 11:17	50.00	50.00
LCS	2J17020-BS1	10/17/12 11:17	50.00	50.00
GW0793	2J17020-DUP1	10/17/12 11:17	50.00	50.00
GW0869	2J17020-DUP2	10/17/12 11:17	50.00	50.00
GW0793	2J17020-MS1	10/17/12 11:17	50.00	50.00
GW0869	2J17020-MS2	10/17/12 11:17	50.00	50.00
GW0793	2J17020-MSD1	10/17/12 11:17	50.00	50.00
GW0869	2J17020-MSD2	10/17/12 11:17	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J19015 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/19/12 08:58	50.00	50.00
GW0753	1210102-03	10/19/12 08:58	50.00	50.00
GW0769	1210102-05	10/19/12 08:58	50.00	50.00
GW0770	1210102-07	10/19/12 08:58	50.00	50.00
GW0771	1210102-09	10/19/12 08:58	50.00	50.00
Blank	2J19015-BLK1	10/19/12 08:58	50.00	50.00
LCS	2J19015-BS1	10/19/12 08:58	50.00	50.00
GW0771	2J19015-DUP1	10/19/12 08:58	50.00	50.00
GW0771	2J19015-MS1	10/19/12 08:58	50.00	50.00
GW0771	2J19015-MSD1	10/19/12 08:58	50.00	50.00
GW0771	2J19015-PS1	10/19/12 08:58	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J24021 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0778	1210102-11	10/24/12 09:48	50.00	50.00
GW0782	1210102-13	10/24/12 09:48	50.00	50.00
GW0783	1210102-15	10/24/12 09:48	50.00	50.00
GW0784	1210102-17	10/24/12 09:48	50.00	50.00
GW0785	1210102-19	10/24/12 09:48	50.00	50.00
GW0795	1210102-21	10/24/12 09:48	50.00	50.00
GW0796	1210102-23	10/24/12 09:48	50.00	50.00
GW0797	1210102-25	10/24/12 09:48	50.00	50.00
GW0798	1210102-27	10/24/12 09:48	50.00	50.00
Blank	2J24021-BLK1	10/24/12 09:48	50.00	50.00
LCS	2J24021-BS1	10/24/12 09:48	50.00	50.00
GW0778	2J24021-DUP1	10/24/12 09:48	50.00	50.00
GW0778	2J24021-MS1	10/24/12 09:48	50.00	50.00
GW0778	2J24021-MSD1	10/24/12 09:48	50.00	50.00
GW0778	2J24021-PS1	10/24/12 09:48	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J26010 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/26/12 09:00	50.00	50.00
GW0768	1210135-03	10/26/12 09:00	50.00	50.00
GW0793	1210135-05	10/26/12 09:00	50.00	50.00
GW0794	1210135-07	10/26/12 09:00	50.00	50.00
GW0844	1210135-09	10/26/12 09:00	50.00	50.00
GW0845	1210135-11	10/26/12 09:00	50.00	50.00
GW0846	1210135-13	10/26/12 09:00	50.00	50.00
GW0847	1210135-15	10/26/12 09:00	50.00	50.00
GW0868	1210135-17	10/26/12 09:00	50.00	50.00
GW0869	1210135-19	10/26/12 09:00	50.00	50.00
GW0870	1210135-21	10/26/12 09:00	50.00	50.00
Blank	2J26010-BLK1	10/26/12 09:00	50.00	50.00
LCS	2J26010-BS1	10/26/12 09:00	50.00	50.00
GW0793	2J26010-DUP1	10/26/12 09:00	50.00	50.00
GW0869	2J26010-DUP2	10/26/12 09:00	50.00	50.00
GW0793	2J26010-MS1	10/26/12 09:00	50.00	50.00
GW0869	2J26010-MS2	10/26/12 09:00	50.00	50.00
GW0793	2J26010-MSD1	10/26/12 09:00	50.00	50.00
GW0869	2J26010-MSD2	10/26/12 09:00	50.00	50.00
GW0793	2J26010-PS1	10/26/12 09:00	20.00	20.00
GW0869	2J26010-PS2	10/26/12 09:00	20.00	20.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J28512	Instrument:	ME-ICP
Calibration:	2286001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J28512-CAL1	10-11-12A-001	10/11/12 09:07
Cal Standard	2J28512-CAL2	10-11-12A-002	10/11/12 09:12
Cal Standard	2J28512-CAL3	10-11-12A-003	10/11/12 09:16
Cal Standard	2J28512-CAL4	10-11-12A-004	10/11/12 09:21
Cal Standard	2J28512-CAL5	10-11-12A-005	10/11/12 09:25
Cal Standard	2J28512-CAL6	10-11-12A-006	10/11/12 09:30
Initial Cal Check	2J28512-ICV1	10-11-12B-001	10/11/12 10:14
Initial Cal Blank	2J28512-ICB1	10-11-12B-002	10/11/12 10:21
Instrument RL Check	2J28512-CRL1	10-11-12B-003	10/11/12 10:26
Interference Check A	2J28512-IFA1	10-11-12B-006	10/11/12 10:59
Interference Check B	2J28512-IFB1	10-11-12B-007	10/11/12 11:03
Calibration Check	2J28512-CCV1	10-11-12B-009	10/11/12 11:14
Calibration Blank	2J28512-CCB1	10-11-12B-010	10/11/12 11:21
Calibration Check	2J28512-CCV5	101112D-013	10/11/12 16:05
Calibration Blank	2J28512-CCB5	101112D-014	10/11/12 16:13
Blank	2J11024-BLK1	101112D-015	10/11/12 16:17
LCS	2J11024-BS1	101112D-016	10/11/12 16:22
Calibration Check	2J28512-CCV6	101112D-027	10/11/12 17:14
Calibration Blank	2J28512-CCB6	101112D-028	10/11/12 17:21
GW0747	1210102-02	101112D-032	10/11/12 17:39
GW0753	1210102-04	101112D-033	10/11/12 17:43
GW0769	1210102-06	101112D-034	10/11/12 17:48
GW0770	1210102-08	101112D-035	10/11/12 17:52
GW0771	1210102-10	101112D-036	10/11/12 17:56
GW0778	1210102-12	101112D-037	10/11/12 18:01
GW0782	1210102-14	101112D-038	10/11/12 18:05
GW0782	2J11024-MS1	101112D-039	10/11/12 18:10
GW0782	2J11024-MSD1	101112D-040	10/11/12 18:14
GW0782	2J11024-DUP1	101112D-041	10/11/12 18:20
Calibration Check	2J28512-CCV7	101112D-042	10/11/12 18:25
Calibration Blank	2J28512-CCB7	101112D-043	10/11/12 18:32

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J28608	Instrument:	ME-ICP
Calibration:	2286002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J28608-CAL1	10-12-12A-001	10/12/12 08:39
Cal Standard	2J28608-CAL2	10-12-12A-002	10/12/12 08:44
Cal Standard	2J28608-CAL3	10-12-12A-003	10/12/12 08:49
Cal Standard	2J28608-CAL4	10-12-12A-004	10/12/12 08:53
Cal Standard	2J28608-CAL5	10-12-12A-005	10/12/12 08:57
Cal Standard	2J28608-CAL6	10-12-12A-006	10/12/12 09:03
Initial Cal Check	2J28608-ICV1	10-12-12B-001	10/12/12 09:43
Initial Cal Blank	2J28608-ICB1	10-12-12B-002	10/12/12 09:50
Instrument RL Check	2J28608-CRL1	10-12-12B-004	10/12/12 09:59
Interference Check A	2J28608-IFA1	10-12-12B-007	10/12/12 10:15
Interference Check B	2J28608-IFB1	10-12-12B-008	10/12/12 10:19
Calibration Check	2J28608-CCV1	10-12-12B-010	10/12/12 10:30
Calibration Blank	2J28608-CCB1	10-12-12B-011	10/12/12 10:37
Calibration Check	2J28608-CCV5	10-12-12C-030	10/12/12 15:19
Calibration Blank	2J28608-CCB5	10-12-12C-031	10/12/12 15:27
Blank	2J12024-BLK1	10-12-12C-032	10/12/12 15:31
LCS	2J12024-BS1	10-12-12C-033	10/12/12 15:36
GW0783	1210102-16	10-12-12C-034	10/12/12 15:42
GW0784	1210102-18	10-12-12C-035	10/12/12 15:46
GW0785	1210102-20	10-12-12C-036	10/12/12 15:51
GW0795	1210102-22	10-12-12C-037	10/12/12 15:55
GW0796	1210102-24	10-12-12C-038	10/12/12 16:00
GW0797	1210102-26	10-12-12C-039	10/12/12 16:04
GW0798	1210102-28	10-12-12C-040	10/12/12 16:09
GW0798	2J12024-MS1	10-12-12C-041	10/12/12 16:13
GW0798	2J12024-MSD1	10-12-12C-042	10/12/12 16:17
GW0798	2J12024-DUP1	10-12-12C-043	10/12/12 16:23
Calibration Check	2J28608-CCV6	10-12-12C-044	10/12/12 16:28
Calibration Blank	2J28608-CCB6	10-12-12C-045	10/12/12 16:35

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29110	Instrument:	ME-ICP
Calibration:	2291004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29110-CAL1	10-17-12A-001	10/17/12 09:32
Cal Standard	2J29110-CAL2	10-17-12A-002	10/17/12 09:36
Cal Standard	2J29110-CAL3	10-17-12A-003	10/17/12 09:41
Cal Standard	2J29110-CAL4	10-17-12A-004	10/17/12 09:45
Cal Standard	2J29110-CAL5	10-17-12A-005	10/17/12 09:50
Cal Standard	2J29110-CAL6	10-17-12A-006	10/17/12 09:55
Initial Cal Check	2J29110-ICV1	10-17-12B-001	10/17/12 10:38
Initial Cal Blank	2J29110-ICB1	10-17-12B-002	10/17/12 10:45
Instrument RL Check	2J29110-CRL1	10-17-12B-004	10/17/12 10:56
Interference Check A	2J29110-IFA1	10-17-12B-007	10/17/12 11:11
Interference Check B	2J29110-IFB1	10-17-12B-008	10/17/12 11:16
Calibration Check	2J29110-CCV1	10-17-12B-010	10/17/12 11:27
Calibration Blank	2J29110-CCB1	10-17-12B-011	10/17/12 11:34
Calibration Check	2J29110-CCV3	10-17-12E-029	10/17/12 13:54
Calibration Blank	2J29110-CCB3	10-17-12E-030	10/17/12 14:02
Blank	2J17020-BLK1	101712C-028	10/17/12 16:20
LCS	2J17020-BS1	101712C-029	10/17/12 16:25
GW0767	1210135-02	101712C-030	10/17/12 16:31
GW0768	1210135-04	101712C-031	10/17/12 16:36
GW0793	1210135-06	101712C-032	10/17/12 16:40
GW0793	2J17020-MS1	101712C-033	10/17/12 16:45
GW0793	2J17020-MSD1	101712C-034	10/17/12 16:49
GW0793	2J17020-DUP1	101712C-035	10/17/12 16:54
GW0794	1210135-08	101712C-036	10/17/12 16:59
GW0844	1210135-10	101712C-037	10/17/12 17:03
GW0845	1210135-12	101712C-038	10/17/12 17:08
GW0846	1210135-14	101712C-039	10/17/12 17:12
GW0847	1210135-16	101712C-040	10/17/12 17:17
GW0868	1210135-18	101712C-041	10/17/12 17:21
GW0870	1210135-22	101712C-042	10/17/12 17:25
Calibration Check	2J29110-CCV4	101712C-043	10/17/12 17:31
Calibration Blank	2J29110-CCB4	101712C-044	10/17/12 17:38

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29110	Instrument:	ME-ICP
Calibration:	2291004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0869	1210135-20	101712C-045	10/17/12 17:43
GW0869	2J17020-MS2	101712C-046	10/17/12 17:47
GW0869	2J17020-MSD2	101712C-047	10/17/12 17:52
GW0869	2J17020-DUP2	101712C-048	10/17/12 17:57
Calibration Check	2J29110-CCV5	101712C-053	10/17/12 18:21
Calibration Blank	2J29110-CCB5	101712C-054	10/17/12 18:29

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29701	Instrument:	ME-ICP
Calibration:	2297002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29701-CAL1	102212A-001	10/22/12 10:42
Cal Standard	2J29701-CAL2	102212A-002	10/22/12 10:46
Cal Standard	2J29701-CAL3	102212A-003	10/22/12 10:51
Cal Standard	2J29701-CAL5	102212A-005	10/22/12 11:00
Cal Standard	2J29701-CAL6	102212A-006	10/22/12 11:04
Cal Standard	2J29701-CAL7	102212A-007	10/22/12 11:10
Cal Standard	2J29701-CAL8	102212A-008	10/22/12 11:14
Initial Cal Check	2J29701-ICV1	102212B-001	10/22/12 11:43
Initial Cal Blank	2J29701-ICB1	102212B-002	10/22/12 11:50
Instrument RL Check	2J29701-CRL1	102212B-003	10/22/12 11:55
Instrument RL Check	2J29701-CRL2	102212B-004	10/22/12 12:01
Interference Check A	2J29701-IFA1	102212B-006	10/22/12 12:10
Interference Check B	2J29701-IFB1	102212B-007	10/22/12 12:15
Calibration Check	2J29701-CCV1	102212B-009	10/22/12 12:25
Calibration Blank	2J29701-CCB1	102212B-010	10/22/12 12:32
Calibration Check	2J29701-CCV4	102212C-001	10/22/12 16:21
Calibration Blank	2J29701-CCB4	102212C-002	10/22/12 16:29
Blank	2J19015-BLK1	102212C-003	10/22/12 16:33
LCS	2J19015-BS1	102212C-004	10/22/12 16:38
GW0747	1210102-01	102212C-011	10/22/12 17:12
GW0753	1210102-03	102212C-012	10/22/12 17:17
GW0769	1210102-05	102212C-013	10/22/12 17:21
GW0771	1210102-09	102212C-014	10/22/12 17:26
GW0771	2J19015-MS1	102212C-015	10/22/12 17:30
GW0771	2J19015-MSD1	102212C-016	10/22/12 17:35
GW0771	2J19015-PS1	102212C-017	10/22/12 17:39
GW0771	2J19015-DUP1	102212C-018	10/22/12 17:44
Calibration Check	2J29701-CCV5	102212C-019	10/22/12 17:50
Calibration Blank	2J29701-CCB5	102212C-020	10/22/12 17:57
GW0770	1210102-07	102212C-021	10/22/12 18:02
Calibration Check	2J29701-CCV6	102212C-035	10/22/12 19:07
Calibration Blank	2J29701-CCB6	102212C-036	10/22/12 19:15

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29918	Instrument:	ME-ICP
Calibration:	2299006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29918-CAL1	10-25-12A-001	10/25/12 09:00
Cal Standard	2J29918-CAL2	10-25-12A-002	10/25/12 09:05
Cal Standard	2J29918-CAL3	10-25-12A-003	10/25/12 09:09
Cal Standard	2J29918-CAL5	10-25-12A-005	10/25/12 09:18
Cal Standard	2J29918-CAL6	10-25-12A-006	10/25/12 09:23
Cal Standard	2J29918-CAL7	10-25-12A-007	10/25/12 09:29
Cal Standard	2J29918-CAL8	10-25-12A-008	10/25/12 09:33
Initial Cal Check	2J29918-ICV1	10-25-12B-001	10/25/12 10:07
Initial Cal Blank	2J29918-ICB1	10-25-12B-002	10/25/12 10:15
Instrument RL Check	2J29918-CRL1	10-25-12B-003	10/25/12 10:19
Interference Check A	2J29918-IFA1	10-25-12B-005	10/25/12 10:28
Interference Check B	2J29918-IFB1	10-25-12B-006	10/25/12 10:34
Calibration Check	2J29918-CCV1	10-25-12B-008	10/25/12 10:44
Calibration Blank	2J29918-CCB1	10-25-12B-009	10/25/12 10:51
Calibration Check	2J29918-CCV5	102512C-023	10/25/12 15:29
Calibration Blank	2J29918-CCB5	102512C-024	10/25/12 15:36
Blank	2J24021-BLK1	102512D-001	10/25/12 15:44
LCS	2J24021-BS1	102512D-002	10/25/12 15:48
GW0778	1210102-11	102512D-003	10/25/12 15:54
GW0778	2J24021-MS1	102512D-004	10/25/12 15:59
GW0778	2J24021-MSD1	102512D-005	10/25/12 16:03
GW0778	2J24021-PS1	102512D-006	10/25/12 16:07
GW0778	2J24021-DUP1	102512D-007	10/25/12 16:13
GW0782	1210102-13	102512D-008	10/25/12 16:17
GW0783	1210102-15	102512D-009	10/25/12 16:22
GW0784	1210102-17	102512D-010	10/25/12 16:26
GW0785	1210102-19	102512D-011	10/25/12 16:31
GW0795	1210102-21	102512D-012	10/25/12 16:35
GW0796	1210102-23	102512D-013	10/25/12 16:39
GW0797	1210102-25	102512D-014	10/25/12 16:44
GW0798	1210102-27	102512D-015	10/25/12 16:48
Calibration Check	2J29918-CCV6	102512D-017	10/25/12 16:58

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29918	Instrument:	ME-ICP
Calibration:	2299006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2J29918-CCB6	102512D-018	10/25/12 17:06

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30316	Instrument:	ME-ICP
Calibration:	2303002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J30316-CAL1	10-29-12A-002	10/29/12 09:53
Cal Standard	2J30316-CAL2	10-29-12A-003	10/29/12 09:57
Cal Standard	2J30316-CAL3	10-29-12A-004	10/29/12 10:02
Cal Standard	2J30316-CAL5	10-29-12A-006	10/29/12 10:11
Cal Standard	2J30316-CAL6	10-29-12A-007	10/29/12 10:16
Cal Standard	2J30316-CAL7	10-29-12A-008	10/29/12 10:21
Cal Standard	2J30316-CAL8	10-29-12A-009	10/29/12 10:26
Initial Cal Check	2J30316-ICV1	10-29-12B-001	10/29/12 11:01
Initial Cal Blank	2J30316-ICB1	10-29-12B-002	10/29/12 11:18
Instrument RL Check	2J30316-CRL1	10-29-12B-003	10/29/12 11:23
Interference Check A	2J30316-IFA1	10-29-12B-006	10/29/12 11:37
Interference Check B	2J30316-IFB1	10-29-12B-007	10/29/12 11:42
Calibration Check	2J30316-CCV1	10-29-12B-009	10/29/12 11:52
Calibration Blank	2J30316-CCB1	10-29-12B-010	10/29/12 11:59
Calibration Check	2J30316-CCV4	102912C-031	10/29/12 15:49
Calibration Blank	2J30316-CCB4	102912C-032	10/29/12 15:56
Blank	2J26010-BLK1	102912C-033	10/29/12 16:01
LCS	2J26010-BS1	102912C-034	10/29/12 16:05
GW0767	1210135-01	102912C-035	10/29/12 16:11
GW0768	1210135-03	102912C-036	10/29/12 16:16
GW0793	1210135-05	102912C-037	10/29/12 16:20
GW0793	2J26010-MS1	102912C-038	10/29/12 16:25
GW0793	2J26010-MSD1	102912C-039	10/29/12 16:29
GW0793	2J26010-PS1	102912C-040	10/29/12 16:33
GW0793	2J26010-DUP1	102912C-041	10/29/12 16:39
GW0794	1210135-07	102912C-042	10/29/12 16:43
GW0844	1210135-09	102912C-043	10/29/12 16:48
GW0845	1210135-11	102912C-044	10/29/12 16:52
GW0846	1210135-13	102912C-045	10/29/12 16:56
GW0847	1210135-15	102912C-046	10/29/12 17:01
GW0868	1210135-17	102912C-047	10/29/12 17:05
GW0870	1210135-21	102912C-048	10/29/12 17:10

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30316	Instrument:	ME-ICP
Calibration:	2303002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J30316-CCV5	102912D-001	10/29/12 17:17
Calibration Blank	2J30316-CCB5	102912D-002	10/29/12 17:24
GW0869	1210135-19	102912D-003	10/29/12 17:29
GW0869	2J26010-MS2	102912D-004	10/29/12 17:33
GW0869	2J26010-MSD2	102912D-005	10/29/12 17:38
GW0869	2J26010-PS2	102912D-006	10/29/12 17:42
GW0869	2J26010-DUP2	102912D-007	10/29/12 17:47
Calibration Check	2J30316-CCV6	102912D-015	10/29/12 18:25
Calibration Blank	2J30316-CCB6	102912D-016	10/29/12 18:33

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2286001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/11/12 9:07 10/11/12 9:40

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	2.0832E-05			500000	2.056E-05		
Antimony	0	0	100	0.0005807	1000	6.2081E-04					10000	6.2297E-04
Arsenic	0	0	100	0.0003159	1000	3.4075E-04					10000	3.3706E-04
Barium	0	0	50	0.0110258	1000	0.010481	5000	0.010868				
Beryllium	0	0	100	0.0020912	1000	0.0020694					10000	0.0020503
Boron	0	0	50	0.0000166	1000	1.515E-05					5000	1.502E-05
Cadmium	0	0	100	0.016781	1000	0.016998					10000	0.016389
Calcium	0	0	1100	5.947273E-05	50000	5.681E-05					10000	
Chromium	0	0	100	0.0000475	1000	4.441E-05					10000	4.5402E-05
Cobalt	0	0	100	0.0045329	1000	0.0044704					10000	0.0045814
Copper	0	0	100	0.0000679	1000	6.022E-05					10000	6.0462E-05
Iron	0	0	5100	1.871961E-05	10000	1.7708E-05			500000	1.73112E-05	10000	
Lead	0	0	100	0.0011777	1000	0.0011291					10000	0.0011688
Magnesium	0	0	5100		50000	1.9674E-06			500000	2.007E-06	10000	
Manganese	0	0	100	0.0002451	1000	2.3374E-04	10000	0.0002313			10000	
Molybdenum	0	0	100	0.0034202	1000	0.0035415					10000	0.0035407
Nickel	0	0	100	0.0031907	1000	0.0031707					10000	0.0032323
Potassium	0	0	1000	1.285E-05	10000	1.438E-05						
Selenium	0	0	100	0.0003294	1000	3.3638E-04					10000	0.0003306
Silver	0	0	20	0.0000575	500	5.218E-05	2000	5.504E-05				
Sodium	0	0	1000		50000	5.2472E-05						
Strontium	0	0	100	0.001274	1000	0.001249					10000	0.00125
Thallium	0	0	100	0.0007564	1000	7.4128E-04					10000	7.5844E-04
Tin	0	0	50	0.0011736	1000	0.0012238					5000	1.23414E-03
Titanium	0	0	100	0.0001424	1000	1.4032E-04					10000	1.4224E-04
Vanadium	0	0	100	0.0000313	1000	2.986E-05					10000	3.0139E-05
Zinc	0	0	100	0.006863	1000	0.0069527					10000	0.0068989

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2286001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/11/12 9:07 10/11/12 9:40

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.478E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.9214E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4812E-05										
Selenium												
Silver												
Sodium	100000	5.2431E-05	500000	5.127E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2286001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/11/12 9:07	10/11/12 9:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.56415E-05	66.68601	4.662283	179.2486	0.9999999		0.998	
Antimony	4.5612E-04	66.80272	8.598315	194.149	0.9999999		0.998	
Arsenic	2.484275E-04	66.81219	11.40951	190.9109	0.9999977		0.998	
Barium	0.0080937	66.72662	2.376698	185.1217	0.9999432		0.998	
Beryllium	1.552725E-03	66.67535	17.40918	197.1338	0.9999993		0.998	
Boron	1.16925E-05	66.94743	1.211318	112.536	0.9999993		0.998	
Cadmium	0.012542	66.69694	2.105415	170.2224	0.999987		0.998	
Calcium	4.276568E-05	66.81792	0.9408975	122.8028	0.9999869		0.998	
Chromium	3.4328E-05	66.77219	1.691597	142.9888	0.999994		0.998	
Cobalt	3.396175E-03	66.68009	3.112737	188.8304	0.9999941		0.998	
Copper	4.71455E-05	67.09407	0.5668175	94.665	0.999998		0.998	
Iron	1.34347E-05	66.81262	55.84748	198.079	0.9999995		0.998	
Lead	0.0008689	66.71099	5.057645	186.0446	0.9999878		0.998	
Magnesium	1.47395E-06	66.70889	281.0327	199.8266	0.9999279		0.998	
Manganese	1.77535E-04	66.75266	10.14978	191.637	0.9999991		0.998	
Molybdenum	0.0026256	66.702	3.094433	185.6451	0.9999999		0.998	
Nickel	2.398425E-03	66.67525	12.83877	197.5904	0.9999966		0.998	
Potassium	1.05105E-05	67.14599	3.71411	178.6721	0.9999972		0.998	
Selenium	2.49095E-04	66.67789	27.2853	196.6579	0.999997		0.998	
Silver	4.118E-05	66.87536	6.507305	180.9652	0.9997998		0.998	
Sodium	3.904325E-05	66.68194	15.83411	190.4709	0.9999802		0.998	
Strontium	9.4325E-04	66.67792	2.556025	136.7421	0.9999999		0.998	
Thallium	5.6403E-04	66.68047	14.6769	196.4601	0.9999951		0.998	
Tin	9.07885E-04	66.73025	3.386367	167.4119	0.999998		0.998	
Titanium	1.0624E-04	66.6726	20.61805	195.4864	0.9999982		0.998	
Vanadium	2.282475E-05	66.72262	12.71737	187.1281	0.9999986		0.998	
Zinc	5.17865E-03	66.67047	2.583225	181.6618	0.9999994		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2286002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/12/12 8:39 10/12/12 9:13

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	0.0000278	10000	2.7398E-05			500000	2.7542E-05		
Antimony	0	0	100	0.0005505	1000	5.6374E-04					10000	5.7499E-04
Arsenic	0	0	100	0.0003028	1000	0.0003174					10000	3.1768E-04
Barium	0	0	50	0.010549	1000	0.0096316	5000	0.010102				
Beryllium	0	0	100	0.0022155	1000	0.0022259					10000	0.002157
Boron	0	0	50	0.0000178	1000	1.639E-05					5000	1.6238E-05
Cadmium	0	0	100	0.016152	1000	0.015789					10000	0.015314
Calcium	0	0	1100	6.337272E-05	50000	6.1356E-05					10000	
Chromium	0	0	100	0.0000498	1000	4.704E-05					10000	4.7004E-05
Cobalt	0	0	100	0.0044818	1000	0.0043178					10000	0.0044523
Copper	0	0	100	0.0000947	1000	8.513E-05					10000	8.6077E-05
Iron	0	0	5100	2.41902E-05	10000	2.2981E-05			500000	2.185E-05	10000	
Lead	0	0	100	0.0011765	1000	0.0010991					10000	0.0011419
Magnesium	0	0	5100		50000	2.3676E-06			500000	2.4396E-06	10000	
Manganese	0	0	100	0.0002929	1000	2.7732E-04	10000	2.6222E-04			10000	
Molybdenum	0	0	100	0.0033405	1000	0.0033709					10000	0.0033958
Nickel	0	0	100	0.0029887	1000	0.0028628					10000	0.0029673
Potassium	0	0	1000	1.789E-05	10000	1.8703E-05						
Selenium	0	0	100	0.0003254	1000	3.2842E-04					10000	3.2386E-04
Silver	0	0	20	0.0000785	500	7.164E-05	2000	7.514E-05				
Sodium	0	0	1000		50000	6.3408E-05						
Strontium	0	0	100	0.001753	1000	0.001751					10000	0.001714
Thallium	0	0	100	0.0006771	1000	6.5734E-04					10000	6.8428E-04
Tin	0	0	50	0.0011628	1000	0.0011762					5000	1.19086E-03
Titanium	0	0	100	0.0001937	1000	0.0001962					10000	1.9483E-04
Vanadium	0	0	100	0.0000465	1000	4.499E-05					10000	4.454E-05
Zinc	0	0	100	0.0066677	1000	0.0065627					10000	0.0065845

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2286002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/12/12 8:39	10/12/12 9:13

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.9012E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.4216E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.9385E-05										
Selenium												
Silver												
Sodium	100000	6.6342E-05	500000	6.5578E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2286002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/12/12 8:39	10/12/12 9:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.0685E-05	66.67151	5.14189	172.3312	1		0.998	
Antimony	4.223075E-04	66.70878	5.40021	165.6347	0.9999974		0.998	
Arsenic	2.3447E-04	66.73252	22.1495	197.0063	0.9999999		0.998	
Barium	7.57065E-03	66.85001	2.218085	170.7908	0.9999009		0.998	
Beryllium	0.0016496	66.69201	36.74009	197.4049	0.9999905		0.998	
Boron	1.2607E-05	66.89964	2.032775	65.92199	0.9999988		0.998	
Cadmium	1.181375E-02	66.72991	7.573325	191.832	0.9999916		0.998	
Calcium	4.593518E-05	66.77944	4.388908	164.9875	0.9999848		0.998	
Chromium	3.5961E-05	66.76607	2.60988	122.448	0.9999998		0.998	
Cobalt	3.312975E-03	66.70147	0.804795	117.9475	0.9999905		0.998	
Copper	6.647675E-05	66.98054	1.679147	57.10955	0.9999963		0.998	
Iron	1.72553E-05	66.89627	22.41239	196.2789	0.9999989		0.998	
Lead	8.54375E-04	66.76956	6.025727	183.9719	0.9999841		0.998	
Magnesium	1.8072E-06	66.68816	3.982268	185.0224	0.9999924		0.998	
Manganese	2.0811E-04	66.9378	2.008905	111.4762	0.9999715		0.998	
Molybdenum	0.0025268	66.67268	3.733793	186.4965	0.9999996		0.998	
Nickel	0.0022047	66.71333	2.020985	178.3314	0.9999874		0.998	
Potassium	1.39945E-05	66.80953	4.193163	152.502	0.9999922		0.998	
Selenium	2.4442E-04	66.67117	45.91458	197.4348	0.9999982		0.998	
Silver	5.632E-05	66.85189	7.852585	170.1076	0.9998383		0.998	
Sodium	4.8832E-05	66.71523	3.6355	175.1079	0.9999749		0.998	
Strontium	0.0013045	66.68084	1.920825	153.1213	0.9999954		0.998	
Thallium	5.0468E-04	66.70487	3.460487	180.0898	0.9999861		0.998	
Tin	8.82465E-04	66.67931	2.279223	182.8602	0.9999945		0.998	
Titanium	1.461825E-04	66.67033	0.71777	84.89007	0.9999994		0.998	
Vanadium	3.40075E-05	66.71222	31.27011	194.1471	0.9999993		0.998	
Zinc	4.953725E-03	66.67292	2.919725	183.156	0.9999998		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/17/12 9:32	10/17/12 10:06

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	2.5906E-05	10000	2.5807E-05			500000	2.5648E-05		
Antimony	0	0	100	0.0003788	1000	4.2956E-04					10000	4.3068E-04
Arsenic	0	0	100	0.0002793	1000	3.0189E-04					10000	2.9683E-04
Barium	0	0	50	0.0096208	1000	0.009155	5000	9.423001E-03				
Beryllium	0	0	100	0.0021536	1000	0.0021183					10000	0.0020585
Boron	0	0	50	0.0000154	1000	1.469E-05					5000	1.4592E-05
Cadmium	0	0	100	0.01477	1000	0.014975					10000	0.014336
Calcium	0	0	1100	5.692727E-05	50000	5.3244E-05					10000	
Chromium	0	0	100	0.0000471	1000	4.453E-05					10000	4.4271E-05
Cobalt	0	0	100	0.0043133	1000	0.0042703					10000	0.0043479
Copper	0	0	100	0.0000891	1000	8.208E-05					10000	8.095E-05
Iron	0	0	5100	2.175882E-05	10000	2.0595E-05			500000	2.0152E-05	10000	
Lead	0	0	100	0.0011085	1000	0.0010757					10000	0.0011071
Magnesium	0	0	5100		50000	2.0288E-06			500000	2.0846E-06	10000	
Manganese	0	0	100	0.0002687	1000	0.0002526	10000	2.4826E-04			10000	
Molybdenum	0	0	100	0.0031735	1000	0.0033003					10000	0.00328
Nickel	0	0	100	0.0021473	1000	0.0021429					10000	0.0021684
Potassium	0	0	1000	1.661E-05	10000	1.697E-05						
Selenium	0	0	100	0.0003156	1000	3.2574E-04					10000	3.1991E-04
Silver	0	0	20	0.0000715	500	6.598E-05	2000	6.943E-05				
Sodium	0	0	1000		50000	5.799E-05						
Strontium	0	0	100	0.001696	1000	0.001651					10000	0.001635
Thallium	0	0	100	0.0006312	1000	6.2517E-04					10000	6.4057E-04
Tin	0	0	50	0.0010864	1000	0.0011315					5000	0.0011353
Titanium	0	0	100	0.0001857	1000	1.7982E-04					10000	1.8117E-04
Vanadium	0	0	100	0.0000436	1000	4.215E-05					10000	4.1958E-05
Zinc	0	0	100	0.0060391	1000	0.0061442					10000	0.0060686

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/17/12 9:32 10/17/12 10:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.1806E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.9697E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.7657E-05										
Selenium												
Silver												
Sodium	100000	5.7255E-05	500000	5.6624E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/17/12 9:32	10/17/12 10:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.934025E-05	66.66893	4.982563	163.2291	1		0.998	
Antimony	3.0976E-04	67.12275	1.86391	150.5731	0.9999995		0.998	
Arsenic	2.19505E-04	66.81234	11.77163	187.5324	0.9999957		0.998	
Barium	0.0070497	66.72163	1.656097	170.2541	0.9999631		0.998	
Beryllium	0.0015826	66.71279	101.8194	198.2866	0.9999925		0.998	
Boron	1.11705E-05	66.74453	2.966838	110.2485	0.9999992		0.998	
Cadmium	1.102025E-02	66.71048	8.251855	193.6247	0.9999812		0.998	
Calcium	4.049432E-05	66.87906	4.39126	158.4911	0.9999928		0.998	
Chromium	3.397525E-05	66.77253	2.71045	101.3839	0.9999997		0.998	
Cobalt	3.232875E-03	66.6739	2.625085	181.0304	0.9999968		0.998	
Copper	6.30325E-05	66.91157	1.16536	79.41949	0.9999995		0.998	
Iron	1.562646E-05	66.80754	120.6185	198.5278	0.9999995		0.998	
Lead	8.22825E-04	66.69206	10.65584	190.9032	0.9999916		0.998	
Magnesium	1.520775E-06	66.738	58.70054	198.8401	0.9998806		0.998	
Manganese	1.9239E-04	66.82315	3.949745	151.7681	0.9999976		0.998	
Molybdenum	2.43845E-03	66.70566	7.283312	193.6173	0.9999993		0.998	
Nickel	1.61465E-03	66.67023	36.73047	198.0546	0.9999987		0.998	
Potassium	1.280925E-05	66.75284	3.156088	115.0484	0.999989		0.998	
Selenium	2.403125E-04	66.68909	65.37562	199.1512	0.9999965		0.998	
Silver	5.17275E-05	66.81182	6.278868	174.4029	0.9998186		0.998	
Sodium	4.296725E-05	66.67932	5.667652	179.4074	0.9999929		0.998	
Strontium	0.0012455	66.6989	2.29055	132.0048	0.9999991		0.998	
Thallium	4.74235E-04	66.68005	4.240712	181.944	0.999995		0.998	
Tin	0.0008383	66.71929	5.791052	192.2478	0.9999998		0.998	
Titanium	1.366725E-04	66.69205	12.83165	182.5717	0.9999992		0.998	
Vanadium	3.1927E-05	66.70619	3.294762	112.1191	0.9999999		0.998	
Zinc	4.562975E-03	66.67373	4.605712	185.3985	0.9999984		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2297002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/22/12 10:42 10/22/12 11:14

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
Aluminum	0	0	5000	1.8236E-05	10000	1.8301E-05			500000	1.82478E-05		
Antimony	0	0	100	0.0005143	1000	5.4867E-04					10000	5.5379E-04
Arsenic	0	0	100	0.000279	1000	2.9932E-04					10000	2.9829E-04
Barium	0	0	50	0.0097148	1000	0.0091899	5000	0.0095034				
Beryllium	0	0	100	0.0018364	1000	0.0018516					10000	0.0018083
Boron	0	0	50	0.0000126	1000	1.318E-05					5000	1.3108E-05
Cadmium	0	0	100	0.014499	1000	0.014592					10000	0.014159
Calcium	0	0	1100	5.110909E-05	50000	4.882E-05					10000	
Chromium	0	0	100	0.0000407	1000	3.871E-05					10000	3.881E-05
Cobalt	0	0	100	0.0039714	1000	0.0039162					10000	0.0040374
Copper	0	0	100	0.00006	1000	5.385E-05					10000	5.463E-05
Iron	0	0	5100	1.599804E-05	10000	1.5464E-05			500000	1.49082E-05	10000	
Lead	0	0	100	0.0010232	1000	9.8605E-04					10000	0.0010245
Magnesium	0	0	5100		50000	1.6684E-06			500000	1.70784E-06	10000	
Manganese	0	0	100	0.0002125	1000	2.0414E-04	10000	2.0449E-04			10000	
Molybdenum	0	0	100	0.0030465	1000	0.0031325					10000	0.0031428
Nickel	0	0	100	0.0027796	1000	0.0027443					10000	0.002819
Potassium	0	0	1000	1.126E-05	10000	1.2661E-05						
Selenium	0	0	100	0.0002901	1000	3.0138E-04					10000	2.9627E-04
Silver	0	0	20	0.00005	500	0.0000464	2000	4.8935E-05				
Sodium	0	0	1000		50000	4.5178E-05						
Strontium	0	0	100	0.001121	1000	0.001137					10000	0.001131
Thallium	0	0	100	0.0006703	1000	6.4353E-04					10000	6.6525E-04
Tin	0	0	50	0.001032	1000	0.0010722					5000	1.08214E-03
Titanium	0	0	100	0.000143	1000	1.4374E-04					10000	1.4865E-04
Vanadium	0	0	100	0.0000349	1000	3.421E-05					10000	3.4016E-05
Zinc	0	0	100	0.0059221	1000	0.0059868					10000	0.005988

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2297002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/22/12 10:42 10/22/12 11:14

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
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.7236E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.6378E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2842E-05										
Selenium												
Silver												
Sodium	100000	4.4977E-05	500000	4.4596E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2297002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/22/12 10:42	10/22/12 11:14

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.36962E-05	66.66699	3.356367	170.6138	1		0.998	
Antimony	4.0419E-04	66.80766	5.759747	188.8258	0.9999997		0.998	
Arsenic	2.191525E-04	66.80292	4.764305	177.5062	0.9999993		0.998	
Barium	7.102025E-03	66.73577	1.579053	188.1665	0.9999506		0.998	
Beryllium	1.374075E-03	66.67945	19.1744	196.4136	0.9999945		0.998	
Boron	9.722E-06	66.71952	10.39893	186.9647	0.9999982		0.998	
Cadmium	0.0108125	66.68889	0.989805	142.6195	0.9999913		0.998	
Calcium	3.679127E-05	66.80658	2.044312	140.2886	0.9999893		0.998	
Chromium	2.9555E-05	66.73858	5.220295	173.0992	0.9999996		0.998	
Cobalt	2.98125E-03	66.68738	4.171758	192.083	0.9999912		0.998	
Copper	4.212E-05	66.9819	1.0571	5.941078	0.9999948		0.998	
Iron	1.159256E-05	66.77706	44.25352	198.5476	0.9999995		0.998	
Lead	7.584375E-04	66.70809	10.46976	196.4363	0.9999853		0.998	
Magnesium	1.25351E-06	66.70589	170.0502	199.7802	0.9999347		0.998	
Manganese	1.552825E-04	66.71302	5.8697	163.6516	0.9999998		0.998	
Molybdenum	2.33045E-03	66.6924	4.557155	187.5739	0.9999998		0.998	
Nickel	2.085725E-03	66.68271	22.98421	198.6261	0.9999933		0.998	
Potassium	9.19075E-06	67.10898	3.117195	180.6389	0.9999999		0.998	
Selenium	2.219375E-04	66.69904	93.20015	198.4843	0.9999967		0.998	
Silver	3.633375E-05	66.79608	3.314645	149.9705	0.9998037		0.998	
Sodium	3.368775E-05	66.67052	74.70117	198.7472	0.9999969		0.998	
Strontium	8.4725E-04	66.67122	3.04175	150.6131	0.9999996		0.998	
Thallium	4.9477E-04	66.70798	88.89372	199.404	0.999989		0.998	
Tin	7.96585E-04	66.72218	2.798728	183.6473	0.9999975		0.998	
Titanium	1.088475E-04	66.70645	65.31866	196.9951	0.9999901		0.998	
Vanadium	2.57815E-05	66.6829	12.08693	185.2246	0.9999998		0.998	
Zinc	4.474225E-03	66.67022	3.6506	189.7835	1		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2299006	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/25/12 9:00 10/25/12 9:33

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.3168E-05	10000	0.0000228			500000	2.2548E-05		
Antimony	0	0	100	0.0006314	1000	6.7207E-04					10000	6.6979E-04
Arsenic	0	0	100	0.0003435	1000	3.6904E-04					10000	3.6379E-04
Barium	0	0	50	0.0118208	1000	0.011212	5000	0.0114202				
Beryllium	0	0	100	0.0022905	1000	0.0022625					10000	0.0021955
Boron	0	0	50	0.0000152	1000	1.655E-05					5000	1.6334E-05
Cadmium	0	0	100	0.017687	1000	0.017934					10000	0.017188
Calcium	0	0	1100	5.289091E-05	50000	5.039E-05					10000	
Chromium	0	0	100	0.0000502	1000	4.787E-05					10000	4.7276E-05
Cobalt	0	0	100	0.0048851	1000	0.0048294					10000	0.0049495
Copper	0	0	100	0.0000748	1000	6.798E-05					10000	6.8441E-05
Iron	0	0	5100	2.010588E-05	10000	1.9017E-05			500000	1.81178E-05	10000	
Lead	0	0	100	0.0012687	1000	0.0012147					10000	0.0012562
Magnesium	0	0	5100		50000	2.0376E-06			500000	2.085E-06	10000	
Manganese	0	0	100	0.000265	1000	2.5761E-04	10000	2.5091E-04			10000	
Molybdenum	0	0	100	0.0037239	1000	0.0038591					10000	0.0038546
Nickel	0	0	100	0.0033636	1000	0.0033423					10000	0.0033932
Potassium	0	0	1000	1.442E-05	10000	1.5698E-05						
Selenium	0	0	100	0.000358	1000	3.7097E-04					10000	3.6306E-04
Silver	0	0	20	0.000063	500	5.804E-05	2000	5.959E-05				
Sodium	0	0	1000		50000	5.5992E-05						
Strontium	0	0	100	0.001447	1000	0.001419					10000	0.001407
Thallium	0	0	100	0.0008148	1000	7.9409E-04					10000	8.1186E-04
Tin	0	0	50	0.0012698	1000	0.001321					5000	0.0013297
Titanium	0	0	100	0.000161	1000	1.5823E-04					10000	1.5697E-04
Vanadium	0	0	100	0.0000433	1000	4.232E-05					10000	4.1689E-05
Zinc	0	0	100	0.0072439	1000	0.0073666					10000	0.0073114

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2299006	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/25/12 9:00 10/25/12 9:33

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.8406E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.993E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.6206E-05										
Selenium												
Silver												
Sodium	100000	5.5496E-05	500000	5.5234E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_065	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2299006		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	10/25/12 9:00	10/25/12 9:33

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.7129E-05	66.68324	6.89368	187.6919	0.9999999		0.998	
Antimony	4.93315E-04	66.77387	4.47913	162.0551	0.9999994		0.998	
Arsenic	2.690825E-04	66.79218	3.506915	166.8773	0.9999967		0.998	
Barium	8.61325E-03	66.73116	1.794997	161.648	0.9999839		0.998	
Beryllium	1.687125E-03	66.70852	11.20928	193.2131	0.9999916		0.998	
Boron	1.2021E-05	66.84837	32.13126	195.7575	0.9999903		0.998	
Cadmium	1.320225E-02	66.70808	1.560005	154.2441	0.9999823		0.998	
Calcium	3.792173E-05	66.84204	0.685305	106.895	0.999984		0.998	
Chromium	3.63365E-05	66.75706	6.179168	180.5081	0.9999989		0.998	
Cobalt	0.003666	66.68011	4.466365	188.0906	0.9999942		0.998	
Copper	5.280525E-05	66.92665	0.7421825	42.48261	0.9999978		0.998	
Iron	1.431017E-05	66.90823	51.32531	198.9985	0.999999		0.998	
Lead	0.0009349	66.71236	11.15293	192.5429	0.9999884		0.998	
Magnesium	1.5289E-06	66.71193	9.586217	195.9261	0.9999241		0.998	
Manganese	1.9338E-04	66.73305	9.27516	180.8912	0.9999939		0.998	
Molybdenum	0.0028594	66.70272	8.331073	189.1231	0.9999999		0.998	
Nickel	2.524775E-03	66.67179	19.75317	195.9148	0.9999979		0.998	
Potassium	1.1581E-05	66.98163	4.849095	184.1516	0.9999959		0.998	
Selenium	2.730075E-04	66.69533	49.65785	198.5886	0.999995		0.998	
Silver	4.51575E-05	66.82436	5.043973	166.1888	0.9999467		0.998	
Sodium	4.16805E-05	66.67093	15.48894	195.927	0.9999981		0.998	
Strontium	1.06825E-03	66.68512	1.2927	175.4395	0.9999993		0.998	
Thallium	6.051875E-04	66.6838	17.00634	195.7321	0.9999952		0.998	
Tin	9.80125E-04	66.72116	1.245458	132.8813	0.9999989		0.998	
Titanium	1.1905E-04	66.68166	23.97786	195.377	0.9999994		0.998	
Vanadium	3.182725E-05	66.69918	7.951815	179.0778	0.9999982		0.998	
Zinc	5.480475E-03	66.67295	2.195828	164.371	0.9999994		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2303002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/29/12 9:53 10/29/12 10:26

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.863E-05	10000	2.8938E-05			500000	2.9212E-05		
Antimony	0	0	100	0.0003916	1000	0.0004357					10000	4.3497E-04
Arsenic	0	0	100	0.0001788	1000	2.0101E-04					10000	1.9575E-04
Barium	0	0	50	0.006701	1000	0.0065273	5000	0.0067128				
Beryllium	0	0	100	0.0022548	1000	0.0023036					10000	0.002272
Boron	0	0	50	0.0000202	1000	2.188E-05					5000	2.2132E-05
Cadmium	0	0	100	0.016655	1000	0.016927					10000	0.016482
Calcium	0	0	1100	7.805455E-05	50000	7.5886E-05					10000	
Chromium	0	0	100	0.0000501	1000	4.797E-05					10000	4.8319E-05
Cobalt	0	0	100	0.0046364	1000	0.0045726					10000	0.0047188
Copper	0	0	100	0.000067	1000	5.758E-05					10000	5.7415E-05
Iron	0	0	5100	2.469608E-05	10000	2.4285E-05			500000	2.3522E-05	10000	
Lead	0	0	100	0.0011907	1000	0.0011556					10000	0.0012012
Magnesium	0	0	5100		50000	2.5844E-06			500000	2.6504E-06	10000	
Manganese	0	0	100	0.00036	1000	3.4684E-04	10000	3.4225E-04			10000	
Molybdenum	0	0	100	0.0034427	1000	0.003591					10000	0.0036163
Nickel	0	0	100	0.0021967	1000	0.0021854					10000	0.0022087
Potassium	0	0	1000	1.704E-05	10000	1.919E-05						
Selenium	0	0	100	0.0003397	1000	3.4929E-04					10000	3.4419E-04
Silver	0	0	20	0.00008	500	7.526E-05	2000	8.034499E-05				
Sodium	0	0	1000		50000	6.849E-05						
Strontium	0	0	100	0.001761	1000	0.001793					10000	0.001819
Thallium	0	0	100	0.0007487	1000	7.2668E-04					10000	7.5995E-04
Tin	0	0	50	0.0011852	1000	0.0012472					5000	1.25452E-03
Titanium	0	0	100	0.0002278	1000	2.2977E-04					10000	2.3607E-04
Vanadium	0	0	100	0.0000463	1000	0.0000458					10000	4.5976E-05
Zinc	0	0	100	0.0067818	1000	0.0069114					10000	0.0068808

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2303002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/29/12 9:53 10/29/12 10:26

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	7.6458E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5853E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.9981E-05										
Selenium												
Silver												
Sodium	100000	6.9894E-05	500000	6.9818E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2303002	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	10/29/12 9:53	10/29/12 10:26	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.1695E-05	66.67568	9.08072	171.3192	1		0.998	
Antimony	3.155675E-04	66.98609	4.349745	169.4326	0.9999991		0.998	
Arsenic	1.4389E-04	66.99119	4.676215	150.9825	0.9999879		0.998	
Barium	4.985275E-03	66.68836	1.943907	137.816	0.9999662		0.998	
Beryllium	0.0017076	66.67717	7.508597	183.4491	0.999998		0.998	
Boron	1.6053E-05	66.88035	12.11818	184.5919	0.9999959		0.998	
Cadmium	0.012516	66.68273	3.900495	157.318	0.999993		0.998	
Calcium	5.759964E-05	66.6857	3.958685	135.316	0.9999994		0.998	
Chromium	3.659725E-05	66.71537	2.67646	107.9646	0.9999991		0.998	
Cobalt	3.48195E-03	66.68882	4.037138	166.1105	0.9999905		0.998	
Copper	4.549875E-05	67.38989	1.394677	33.32474	0.9999988		0.998	
Iron	1.812577E-05	66.72066	19.60688	192.4102	0.9999997		0.998	
Lead	8.86875E-04	66.70291	14.26331	188.7929	0.9999854		0.998	
Magnesium	1.955025E-06	66.6854	42.32015	198.5656	0.9999771		0.998	
Manganese	2.622725E-04	66.72834	39.39048	194.531	0.9999986		0.998	
Molybdenum	0.0026625	66.72867	6.383177	177.3131	0.9999996		0.998	
Nickel	0.0016477	66.66917	45.25079	197.1686	0.9999989		0.998	
Potassium	1.405275E-05	67.25057	3.269927	131.1533	0.9999918		0.998	
Selenium	2.58295E-04	66.68392	99.40649	197.8504	0.9999977		0.998	
Silver	5.890125E-05	66.78293	5.250205	159.9698	0.9997121		0.998	
Sodium	5.20505E-05	66.67817	8.623792	176.3946	0.9999957		0.998	
Strontium	1.34325E-03	66.69005	2.4531	143.9884	0.9999984		0.998	
Thallium	5.588325E-04	66.7125	28.04091	192.7199	0.9999816		0.998	
Tin	9.2173E-04	66.75198	3.89794	164.7256	0.9999992		0.998	
Titanium	1.7341E-04	66.69769	38.44697	193.9455	0.9999936		0.998	
Vanadium	3.4519E-05	66.66937	4.142365	154.6168	0.9999998		0.998	
Zinc	0.0051435	66.67534	6.911475	180.5607	0.9999997		0.998	

Data for Wet Chemistry Forms

Sample Extraction Data

Prep Method: pNone-SM4500S2CF

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J15004	250.00/200.00	270	200	1.00		10/15/12
1210102-03 [GW0753]	2J15004	250.00/200.00	270	200	1.00		10/15/12
1210102-05 [GW0769]	2J15004	250.00/200.00	295	200	1.00		10/15/12
1210102-13 [GW0782]	2J15004	250.00/200.00	295	200	1.00		10/15/12
1210102-15 [GW0783]	2J15004	250.00/200.00	295	200	1.00		10/15/12
1210102-17 [GW0784]	2J15004	250.00/200.00	295	200	1.00		10/15/12
1210102-19 [GW0785]	2J15004	250.00/200.00	295	200	1.00		10/15/12
1210102-21 [GW0795]	2J15004	250.00/200.00	295	200	1.00		10/15/12
1210102-23 [GW0796]	2J15004	250.00/200.00	270	200	1.00		10/15/12
1210102-25 [GW0797]	2J15004	250.00/200.00	270	200	1.00		10/15/12
1210102-27 [GW0798]	2J15004	250.00/200.00	270	200	1.00		10/15/12

Sample Extraction Data

Prep Method: pNone-SM4500S2CF

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-07 [GW0770]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210102-09 [GW0771]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210102-11 [GW0778]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-01 [GW0767]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-03 [GW0768]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-05 [GW0793]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-07 [GW0794]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-09 [GW0844]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-11 [GW0845]	2J16006	250.00/200.00	270	200	1.00		10/16/12
1210135-19 [GW0869]	2J16006	250.00/200.00	270	200	1.00		10/16/12

Sample Extraction Data

Prep Method: pNone-SM4500S2CF

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-13 [GW0846]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210135-15 [GW0847]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210135-17 [GW0868]	2J18005	250.00/200.00	295	200	1.00		10/18/12
1210135-21 [GW0870]	2J18005	250.00/200.00	295	200	1.00		10/18/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-03 [GW0753]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-05 [GW0769]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-07 [GW0770]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-11 [GW0778]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-13 [GW0782]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-15 [GW0783]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-17 [GW0784]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-19 [GW0785]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-21 [GW0795]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12
1210102-23 [GW0796]	2J18022	5.00/5.00	5.00	5.00	1.00		10/18/12

Sample Extraction Data

Prep Method: pNone-SM2320B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-13 [GW0782]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-15 [GW0783]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-17 [GW0784]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-19 [GW0785]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-21 [GW0795]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-23 [GW0796]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-25 [GW0797]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12
1210102-27 [GW0798]	2J22006	25.00/25.00	25.0	25.0	1.00		10/22/12

Sample Extraction Data

Prep Method: pNone-SM2320B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J23001	25.00/25.00	25.0	25.0	1.00		10/23/12
1210102-03 [GW0753]	2J23001	25.00/25.00	25.0	25.0	1.00		10/23/12
1210102-05 [GW0769]	2J23001	25.00/25.00	25.0	25.0	1.00		10/23/12
1210102-07 [GW0770]	2J23001	25.00/25.00	25.0	25.0	1.00		10/23/12
1210102-09 [GW0771]	2J23001	25.00/25.00	25.0	25.0	1.00		10/23/12
1210102-11 [GW0778]	2J23001	25.00/25.00	25.0	25.0	1.00		10/23/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-25 [GW0797]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210102-27 [GW0798]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-01 [GW0767]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-03 [GW0768]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-05 [GW0793]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-07 [GW0794]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-09 [GW0844]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12
1210135-11 [GW0845]	2J23021	5.00/5.00	5.00	5.00	1.00		10/23/12

Sample Extraction Data

Prep Method: pNone-SM2320B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-03 [GW0768]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-05 [GW0793]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-07 [GW0794]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-09 [GW0844]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-11 [GW0845]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-13 [GW0846]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-15 [GW0847]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-17 [GW0868]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-19 [GW0869]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12
1210135-21 [GW0870]	2J24009	25.00/25.00	25.0	25.0	1.00		10/24/12

Sample Extraction Data

Prep Method: pNone-E353.2

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-03 [GW0753]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-05 [GW0769]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-07 [GW0770]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-09 [GW0771]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-11 [GW0778]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-13 [GW0782]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-15 [GW0783]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-17 [GW0784]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-19 [GW0785]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-21 [GW0795]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-23 [GW0796]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-25 [GW0797]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12
1210102-27 [GW0798]	2J24034	20.00/20.00	4.00	20.0	1.00		10/24/12

Sample Extraction Data

Prep Method: pNone-SM4500NH3BG

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-01 [GW0747]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-03 [GW0753]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-05 [GW0769]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-07 [GW0770]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-09 [GW0771]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-11 [GW0778]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-13 [GW0782]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-15 [GW0783]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-17 [GW0784]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-19 [GW0785]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-21 [GW0795]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-23 [GW0796]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-25 [GW0797]	2J25016	100.00/100.00	100	100	1.00		10/25/12
1210102-27 [GW0798]	2J25016	100.00/100.00	100	100	1.00		10/25/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210102-09RE1 [GW0771]	2J25026	5.00/5.00	5.00	5.00	1.00		10/25/12
1210135-13 [GW0846]	2J25026	5.00/5.00	5.00	5.00	1.00		10/25/12
1210135-15 [GW0847]	2J25026	5.00/5.00	5.00	5.00	1.00		10/25/12
1210135-17 [GW0868]	2J25026	5.00/5.00	5.00	5.00	1.00		10/25/12
1210135-19 [GW0869]	2J25026	5.00/5.00	5.00	5.00	1.00		10/25/12
1210135-21 [GW0870]	2J25026	5.00/5.00	5.00	5.00	1.00		10/25/12

Sample Extraction Data

Prep Method: pNone-SM4500NH3BG

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-03 [GW0768]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-07 [GW0794]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-09 [GW0844]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-11 [GW0845]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-13 [GW0846]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-15 [GW0847]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-17 [GW0868]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-19 [GW0869]	2J29920	100.00/100.00	100	100	1.00		10/29/12
1210135-21 [GW0870]	2J29920	100.00/100.00	100	100	1.00		10/29/12

Sample Extraction Data

Prep Method: pNone-SM4500NH3BG

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-05 [GW0793]	2J29940	100.00/100.00	100	100	1.00		10/29/12

Sample Extraction Data

Prep Method: pNone-E353.2

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210135-01 [GW0767]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-03 [GW0768]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-05 [GW0793]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-07 [GW0794]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-09 [GW0844]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-11 [GW0845]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-13 [GW0846]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-15 [GW0847]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-17 [GW0868]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210135-19RE1 [GW0869]	2J30423	20.00/20.00	4.00	20.0	5.00		10/30/12
1210135-21 [GW0870]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12

ANALYSIS DATA SHEET

GW0747

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-01
Sampled:	10/09/12 08:45	Received:	10/10/12 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	2J25016	10/25/12 13:57
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J15004	10/15/12 13:15
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**103**	1.00	1.00	1.00	1		SM2320B	2J23001	10/23/12 09:10
16887-00-6	Chloride	**19.6**	0.170	0.330	0.500	1		E300.0	2J18022	10/18/12 19:18
NA	Nitrate/Nitrite as N	**1.03**	0.250	0.750	1.50	1	J	E353.2	2J24034	10/24/12 14:55
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 09:10
14808-79-8	Sulfate as SO4	**28.2**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/18/12 19:18

ANALYSIS DATA SHEET

GW0753

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-03
Sampled:	10/09/12 14:44	Received:	10/10/12 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	2J25016	10/25/12 13:58
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J15004	10/15/12 13:16
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**144**	1.00	1.00	1.00	1		SM2320B	2J23001	10/23/12 09:25
16887-00-6	Chloride	**8.59**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 08:17
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:00
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 09:25
14808-79-8	Sulfate as SO4	**26.8**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 08:17

ANALYSIS DATA SHEET

GW0769

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-05
Sampled:	10/09/12 15:03	Received:	10/10/12 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	2J25016	10/25/12 13:59
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J15004	10/15/12 13:17
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**117**	1.00	1.00	1.00	1		SM2320B	2J23001	10/23/12 09:33
16887-00-6	Chloride	**13.9**	0.170	0.330	0.500	1		E300.0	2J18022	10/18/12 21:02
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:01
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 09:33
14808-79-8	Sulfate as SO4	**33.9**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/18/12 21:02

ANALYSIS DATA SHEET

GW0770

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-07
Sampled:	10/09/12 15:03	Received:	10/10/12 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	2J25016	10/25/12 14:00
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:37
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**117**	1.00	1.00	1.00	1		SM2320B	2J23001	10/23/12 09:41
16887-00-6	Chloride	**13.8**	0.170	0.330	0.500	1		E300.0	2J18022	10/18/12 21:28
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:03
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 09:41
14808-79-8	Sulfate as SO4	**33.9**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/18/12 21:28

ANALYSIS DATA SHEET

GW0771

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-09
Sampled:	10/09/12 11:05	Received:	10/10/12 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	2J25016	10/25/12 14:01
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:38
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**158**	1.00	1.00	1.00	1		SM2320B	2J23001	10/23/12 09:51
16887-00-6	Chloride	**67.7**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 04:47
NA	Nitrate/Nitrite as N	**0.942**	0.250	0.750	1.50	1	J	E353.2	2J24034	10/24/12 15:04
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 09:51
14808-79-8	Sulfate as SO4	**44.1**	0.330	1.00	2.50	1	M	E300.0	2J25026	10/26/12 04:47

ANALYSIS DATA SHEET

GW0778

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-11
Sampled:	10/09/12 11:20	Received:	10/10/12 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	**0.145**	0.110	0.150	0.300	1	J	SM4500NH3BG	2J25016	10/25/12 14:02
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:39
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**86.0**	1.00	1.00	1.00	1		SM2320B	2J23001	10/23/12 10:02
16887-00-6	Chloride	**54.1**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 07:25
NA	Nitrate/Nitrite as N	**3.77**	0.250	0.750	1.50	1		E353.2	2J24034	10/24/12 15:06
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 10:02
14808-79-8	Sulfate as SO4	**53.4**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 07:25

ANALYSIS DATA SHEET

GW0782

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-13
Sampled:	10/08/12 15:26	Received:	10/10/12 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	2J25016	10/25/12 14:03
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J15004	10/15/12 13:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**90.8**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:11
16887-00-6	Chloride	**21.3**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 07:42
NA	Nitrate/Nitrite as N	**0.624**	0.250	0.750	1.50	1	J	E353.2	2J24034	10/24/12 15:07
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:11
14808-79-8	Sulfate as SO4	**53.6**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 07:42

ANALYSIS DATA SHEET

GW0783

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-15
Sampled:	10/08/12 13:03	Received:	10/10/12 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	2J25016	10/25/12 14:04
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J15004	10/15/12 13:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**86.8**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:20
16887-00-6	Chloride	**65.0**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 08:00
NA	Nitrate/Nitrite as N	**2.63**	0.250	0.750	1.50	1		E353.2	2J24034	10/24/12 15:08
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:20
14808-79-8	Sulfate as SO4	**110**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 08:00

ANALYSIS DATA SHEET

GW0784

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-17
Sampled:	10/08/12 13:03	Received:	10/10/12 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	2J25016	10/25/12 14:05
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J15004	10/15/12 13:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**87.2**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:27
16887-00-6	Chloride	**71.3**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 10:02
NA	Nitrate/Nitrite as N	**2.64**	0.250	0.750	1.50	1		E353.2	2J24034	10/24/12 15:10
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:27
14808-79-8	Sulfate as SO4	**119**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 10:02

ANALYSIS DATA SHEET

GW0785

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-19
Sampled:	10/08/12 10:58	Received:	10/10/12 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	2J25016	10/25/12 14:05
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J15004	10/15/12 13:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**86.0**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:35
16887-00-6	Chloride	**76.4**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 10:19
NA	Nitrate/Nitrite as N	**2.72**	0.250	0.750	1.50	1		E353.2	2J24034	10/24/12 15:11
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:35
14808-79-8	Sulfate as SO4	**120**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 10:19

ANALYSIS DATA SHEET

GW0795

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-21
Sampled:	10/08/12 15:23	Received:	10/10/12 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	2J25016	10/25/12 14:08
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J15004	10/15/12 13:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**114**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:41
16887-00-6	Chloride	**7.38**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 10:37
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:16
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:41
14808-79-8	Sulfate as SO4	**27.7**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 10:37

ANALYSIS DATA SHEET

GW0796

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-23
Sampled:	10/08/12 13:25	Received:	10/10/12 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	2J25016	10/25/12 14:09
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J15004	10/15/12 13:23
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**98.1**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:50
16887-00-6	Chloride	**6.45**	0.170	0.330	0.500	1		E300.0	2J18022	10/19/12 10:54
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:17
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:50
14808-79-8	Sulfate as SO4	**28.0**	0.330	1.00	2.50	1	M	E300.0	2J18022	10/19/12 10:54

ANALYSIS DATA SHEET

GW0797

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-25
Sampled:	10/08/12 13:25	Received:	10/10/12 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	2J25016	10/25/12 14:10
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J15004	10/15/12 13:24
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**94.5**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 12:56
16887-00-6	Chloride	**6.40**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 01:13
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:19
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 12:56
14808-79-8	Sulfate as SO4	**28.1**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 01:13

ANALYSIS DATA SHEET

GW0798

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210102-27
Sampled:	10/08/12 11:18	Received:	10/10/12 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	2J25016	10/25/12 14:11
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J15004	10/15/12 13:25
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**99.7**	1.00	1.00	1.00	1		SM2320B	2J22006	10/22/12 13:10
16887-00-6	Chloride	**6.45**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 03:15
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J24034	10/24/12 15:20
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 13:10
14808-79-8	Sulfate as SO4	**28.0**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 03:15

ANALYSIS DATA SHEET

GW0767

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-01
Sampled:	10/11/12 14:36	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:37
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:50
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**126**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 10:02
16887-00-6	Chloride	**8.04**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 03:33
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:22
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 10:02
14808-79-8	Sulfate as SO4	**28.5**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 03:33

ANALYSIS DATA SHEET

GW0768

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-03
Sampled:	10/11/12 11:32	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:38
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:51
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**127**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 10:49
16887-00-6	Chloride	**11.7**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 03:50
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:23
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 10:49
14808-79-8	Sulfate as SO4	**36.1**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 03:50

ANALYSIS DATA SHEET

GW0793

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-05
Sampled:	10/10/12 14:45	Received:	10/12/12 08:35
% 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	2J29940	10/29/12 15:04
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:52
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**94.0**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 10:57
16887-00-6	Chloride	**108**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 01:31
NA	Nitrate/Nitrite as N	**3.72**	0.250	0.750	1.50	1		E353.2	2J30423	10/30/12 13:25
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 10:57
14808-79-8	Sulfate as SO4	**53.7**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 01:31

ANALYSIS DATA SHEET

GW0794

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-07
Sampled:	10/10/12 12:16	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:39
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:55
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**107**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 11:06
16887-00-6	Chloride	**12.1**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 04:08
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:29
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 11:06
14808-79-8	Sulfate as SO4	**40.7**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 04:08

ANALYSIS DATA SHEET

GW0844

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-09
Sampled:	10/11/12 15:52	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:40
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:56
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**134**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 11:16
16887-00-6	Chloride	**15.5**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 04:25
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:31
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 11:16
14808-79-8	Sulfate as SO4	**33.8**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 04:25

ANALYSIS DATA SHEET

GW0845

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-11
Sampled:	10/11/12 13:54	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:41
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:57
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**126**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 11:25
16887-00-6	Chloride	**12.3**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 04:42
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 11:25
14808-79-8	Sulfate as SO4	**34.3**	0.330	1.00	2.50	1	M	E300.0	2J23021	10/24/12 04:42

ANALYSIS DATA SHEET

GW0846

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-13
Sampled:	10/11/12 13:54	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:42
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**126**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 11:35
16887-00-6	Chloride	**11.7**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 05:04
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:33
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 11:35
14808-79-8	Sulfate as SO4	**33.4**	0.330	1.00	2.50	1	M	E300.0	2J25026	10/26/12 05:04

ANALYSIS DATA SHEET

GW0847

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-15
Sampled:	10/11/12 11:53	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:43
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**107**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 11:42
16887-00-6	Chloride	**7.85**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 05:22
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 11:42
14808-79-8	Sulfate as SO4	**29.4**	0.330	1.00	2.50	1	M	E300.0	2J25026	10/26/12 05:22

ANALYSIS DATA SHEET

GW0868

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-17
Sampled:	10/11/12 12:44	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:44
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2J18005	10/18/12 14:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**103**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 11:52
16887-00-6	Chloride	**14.0**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 05:39
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:36
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 11:52
14808-79-8	Sulfate as SO4	**42.6**	0.330	1.00	2.50	1	M	E300.0	2J25026	10/26/12 05:39

ANALYSIS DATA SHEET

GW0869

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-19
Sampled:	10/10/12 15:16	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:45
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J16006	10/16/12 11:58
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**97.3**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 12:02
16887-00-6	Chloride	**16.2**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 06:49
NA	Nitrate/Nitrite as N	**12.5**	1.25	3.75	7.50	5	D	E353.2	2J30423	10/30/12 14:03
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 12:02
14808-79-8	Sulfate as SO4	**45.5**	0.330	1.00	2.50	1	M	E300.0	2J25026	10/26/12 06:49

ANALYSIS DATA SHEET

GW0870

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210135-21
Sampled:	10/10/12 10:21	Received:	10/12/12 08:35
% 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	2J29920	10/29/12 14:47
18496-25-8	Sulfide		0.678	1.69	3.39	1	H1 U	SM4500S2CF	2J18005	10/18/12 14:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**102**	1.00	1.00	1.00	1		SM2320B	2J24009	10/24/12 12:10
16887-00-6	Chloride	**8.49**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 05:57
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:38
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 12:10
14808-79-8	Sulfate as SO4	**33.8**	0.330	1.00	2.50	1	M	E300.0	2J25026	10/26/12 05:57

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J15004-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	ND	0.800	2.00	4.00	1	U	SM4500S2CF	2J15004	10/15/12 13:02

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J15004-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1184**	83.3	208	417	1		SM4500S2CF	2J15004	10/15/12 13:01

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J16006-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	ND	0.800	2.00	4.00	1	U	SM4500S2CF	2J16006	10/16/12 11:36

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J16006-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1134**	83.3	208	417	1		SM4500S2CF	2J16006	10/16/12 11:35

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J16006-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1242**	90.0	225	450	1		SM4500S2CF	2J16006	10/16/12 11:53

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J16006-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1260**	90.0	225	450	1		SM4500S2CF	2J16006	10/16/12 11:59

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J16006-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1188**	90.0	225	450	1		SM4500S2CF	2J16006	10/16/12 11:54

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J16006-MSD2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1278**	90.0	225	450	1		SM4500S2CF	2J16006	10/16/12 12:00

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18005-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	ND	0.800	2.00	4.00	1	U	SM4500S2CF	2J18005	10/18/12 14:06

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18005-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1134**	83.3	208	417	1		SM4500S2CF	2J18005	10/18/12 14:05

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	ND	0.170	0.330	0.500	1	U	E300.0	2J18022	10/18/12 17:15
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2J18022	10/18/12 17:15

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**4.658**	0.170	0.330	0.500	1		E300.0	2J18022	10/18/12 16:58
14808-79-8	Sulfate as SO4	**24.31**	0.330	1.00	2.00	1		E300.0	2J18022	10/18/12 16:58

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-DUP1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**21.76**	0.189	0.367	0.556	1		E300.0	2J18022	10/18/12 20:10
14808-79-8	Sulfate as SO4	**31.20**	0.367	1.11	2.22	1		E300.0	2J18022	10/18/12 20:10

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-DUP2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**10.07**	0.189	0.367	0.556	1		E300.0	2J18022	10/19/12 09:09
14808-79-8	Sulfate as SO4	**31.13**	0.367	1.11	2.22	1		E300.0	2J18022	10/19/12 09:09

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J18022-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**48.16**	0.189	0.367	0.556	1		E300.0	2J18022	10/18/12 19:35
14808-79-8	Sulfate as SO4	**58.18**	0.367	1.11	2.22	1		E300.0	2J18022	10/18/12 19:35

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**35.94**	0.189	0.367	0.556	1		E300.0	2J18022	10/19/12 08:34
14808-79-8	Sulfate as SO4	**55.65**	0.367	1.11	2.22	1		E300.0	2J18022	10/19/12 08:34

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**47.88**	0.189	0.367	0.556	1		E300.0	2J18022	10/18/12 19:52
14808-79-8	Sulfate as SO4	**57.93**	0.367	1.11	2.22	1		E300.0	2J18022	10/18/12 19:52

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-MSD2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**36.54**	0.189	0.367	0.556	1		E300.0	2J18022	10/19/12 08:52
14808-79-8	Sulfate as SO4	**56.68**	0.367	1.11	2.22	1		E300.0	2J18022	10/19/12 08:52

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J22006-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	ND	1.00	1.00	1.00	1	U	SM2320B	2J22006	10/22/12 10:45

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J22006-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**1019**	5.00	5.00	5.00	1		SM2320B	2J22006	10/22/12 10:41

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23001-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	ND	1.00	1.00	1.00	1	U	SM2320B	2J23001	10/23/12 07:20

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23001-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**1013**	5.00	5.00	5.00	1		SM2320B	2J23001	10/23/12 07:10

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23021-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	ND	0.170	0.330	0.500	1	U	E300.0	2J23021	10/23/12 20:00
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2J23021	10/23/12 20:00

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23021-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**4.742**	0.170	0.330	0.500	1		E300.0	2J23021	10/23/12 19:42
14808-79-8	Sulfate as SO4	**24.74**	0.330	1.00	2.00	1		E300.0	2J23021	10/23/12 19:42

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23021-DUP2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**108.4**	0.170	0.330	0.500	1		E300.0	2J23021	10/24/12 02:23
14808-79-8	Sulfate as SO4	**53.56**	0.330	1.00	2.00	1		E300.0	2J23021	10/24/12 02:23

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23021-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**137.1**	0.189	0.367	0.556	1		E300.0	2J23021	10/24/12 01:48
14808-79-8	Sulfate as SO4	**83.53**	0.367	1.11	2.22	1		E300.0	2J23021	10/24/12 01:48

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J23021-MSD2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**137.1**	0.189	0.367	0.556	1		E300.0	2J23021	10/24/12 02:06
14808-79-8	Sulfate as SO4	**83.53**	0.367	1.11	2.22	1		E300.0	2J23021	10/24/12 02:06

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24009-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	ND	1.00	1.00	1.00	1	U	SM2320B	2J24009	10/24/12 08:45

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24009-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**1015**	5.00	5.00	5.00	1		SM2320B	2J24009	10/24/12 08:40

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J24009-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**205.0**	1.11	1.11	1.11	1		SM2320B	2J24009	10/24/12 08:50

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J24009-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**212.6**	1.11	1.11	1.11	1		SM2320B	2J24009	10/24/12 09:04

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24009-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**203.6**	1.11	1.11	1.11	1		SM2320B	2J24009	10/24/12 08:56

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24009-MSD2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**213.5**	1.11	1.11	1.11	1		SM2320B	2J24009	10/24/12 09:12

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24034-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	ND	0.0500	0.150	0.300	1	U	E353.2	2J24034	10/24/12 14:53

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24034-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**14.75**	0.500	1.50	3.00	1		E353.2	2J24034	10/24/12 14:54

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J24034-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**3.763**	0.250	0.750	1.50	1		E353.2	2J24034	10/24/12 14:57

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J24034-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**3.758**	0.250	0.750	1.50	1		E353.2	2J24034	10/24/12 14:58

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25016-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	ND	0.110	0.150	0.300	1	U	SM4500NH3BG	2J25016	10/25/12 13:55

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25016-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**4.654**	0.110	0.150	0.300	1		SM4500NH3BG	2J25016	10/25/12 13:56

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25026-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	ND	0.170	0.330	0.500	1	U	E300.0	2J25026	10/26/12 04:30
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2J25026	10/26/12 04:30

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25026-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**4.573**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 04:12
14808-79-8	Sulfate as SO4	**23.69**	0.330	1.00	2.00	1		E300.0	2J25026	10/26/12 04:12

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25026-DUP1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**16.12**	0.170	0.330	0.500	1		E300.0	2J25026	10/26/12 07:41
14808-79-8	Sulfate as SO4	**45.30**	0.330	1.00	2.00	1		E300.0	2J25026	10/26/12 07:41

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J25026-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**43.45**	0.189	0.367	0.556	1		E300.0	2J25026	10/26/12 07:07
14808-79-8	Sulfate as SO4	**74.21**	0.367	1.11	2.22	1		E300.0	2J25026	10/26/12 07:07

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25026-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**43.27**	0.189	0.367	0.556	1		E300.0	2J25026	10/26/12 07:24
14808-79-8	Sulfate as SO4	**74.03**	0.367	1.11	2.22	1		E300.0	2J25026	10/26/12 07:24

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J29920-BLK2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	ND	0.110	0.150	0.300	1	U	SM4500NH3BG	2J29920	10/29/12 15:29

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J29920-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**5.111**	0.110	0.150	0.300	1		SM4500NH3BG	2J29920	10/29/12 14:36

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J29920-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**5.077**	0.110	0.150	0.300	1		SM4500NH3BG	2J29920	10/29/12 14:46

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J29920-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**5.278**	0.110	0.150	0.300	1		SM4500NH3BG	2J29920	10/29/12 14:47

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J29940-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	ND	0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:02

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J29940-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**4.833**	0.110	0.150	0.300	1		SM4500NH3BG	2J29940	10/29/12 15:03

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J29940-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**5.572**	0.110	0.150	0.300	1		SM4500NH3BG	2J29940	10/29/12 15:05

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J29940-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**4.775**	0.110	0.150	0.300	1		SM4500NH3BG	2J29940	10/29/12 15:06

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J30423-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	ND	0.0500	0.150	0.300	1	U	E353.2	2J30423	10/30/12 13:19

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J30423-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**14.98**	1.00	3.00	6.00	1		E353.2	2J30423	10/30/12 13:20

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J30423-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**6.215**	0.250	0.750	1.50	1		E353.2	2J30423	10/30/12 13:26

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_065

Project: Kirtland AFB 2011

Laboratory ID: 2J30423-MS3

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**24.55**	1.25	3.75	7.50	5	D	E353.2	2J30423	10/30/12 14:04

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J30423-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**6.200**	0.250	0.750	1.50	1		E353.2	2J30423	10/30/12 13:28

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J30423-MSD3

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**24.62**	1.25	3.75	7.50	5	D	E353.2	2J30423	10/30/12 14:05

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E13609

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13609-ICV1	Chloride	4.800	4.613	96.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.62	98.4	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2J29711

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29711-CCV1	Chloride	25.00	25.70	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.68	107	mg/L	+/- 10.00%
2J29711-CCV2	Chloride	25.00	25.62	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.32	105	mg/L	+/- 10.00%
2J29711-CCV3	Chloride	25.00	25.03	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.70	103	mg/L	+/- 10.00%
2J29711-CCV4	Chloride	25.00	25.80	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.43	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_065
Project: Kirtland AFB 2011
Calibration: 2298004
Sequence: 2J29816

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29816-ICV1	Nitrate/Nitrite as N	1.200	1.240	103	mg/L	+/- 10.00%
2J29816-CCV1	Nitrate/Nitrite as N	1.200	1.267	106	mg/L	+/- 10.00%
2J29816-CCV2	Nitrate/Nitrite as N	1.200	1.257	105	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_065
Project: Kirtland AFB 2011
Calibration: 2299004
Sequence: 2J29913

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29913-ICV1	Ammonia as N	2.000	2.051	103	mg/L	+/- 10.00%
2J29913-CCV1	Ammonia as N	2.000	2.101	105	mg/L	+/- 10.00%
2J29913-CCV2	Ammonia as N	2.000	2.064	103	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_065
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2J29916

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29916-CCV1	Chloride	25.00	24.72	98.9	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.58	102	mg/L	+/- 10.00%
2J29916-CCV2	Chloride	25.00	25.84	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.56	106	mg/L	+/- 10.00%
2J29916-CCV3	Chloride	25.00	25.95	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.52	106	mg/L	+/- 10.00%
2J29916-CCV4	Chloride	25.00	26.22	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.86	107	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_065
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2J30309

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30309-CCV1	Chloride	25.00	24.60	98.4	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.21	105	mg/L	+/- 10.00%
2J30309-CCV2	Chloride	25.00	24.32	97.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.68	103	mg/L	+/- 10.00%
2J30309-CCV4	Chloride	25.00	24.90	99.6	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.67	103	mg/L	+/- 10.00%
2J30309-CCV5	Chloride	25.00	24.94	99.8	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.65	103	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_065
Project: Kirtland AFB 2011
Calibration: 2303005
Sequence: 2J30320

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30320-ICV1	Ammonia as N	2.000	2.065	103	mg/L	+/- 10.00%
2J30320-CCV1	Ammonia as N	2.000	2.125	106	mg/L	+/- 10.00%
2J30320-CCV2	Ammonia as N	2.000	2.060	103	mg/L	+/- 10.00%
2J30320-CCV3	Ammonia as N	2.000	2.044	102	mg/L	+/- 10.00%
2J30320-CCV4	Ammonia as N	2.000	2.090	104	mg/L	+/- 10.00%
2J30320-CCV5	Ammonia as N	2.000	2.125	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_065
Project: Kirtland AFB 2011
Calibration: 2304003
Sequence: 2J30438

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30438-ICV1	Nitrate/Nitrite as N	1.200	1.234	103	mg/L	+/- 10.00%
2J30438-CCV1	Nitrate/Nitrite as N	1.200	1.245	104	mg/L	+/- 10.00%
2J30438-CCV2	Nitrate/Nitrite as N	1.200	1.241	103	mg/L	+/- 10.00%
2J30438-CCV3	Nitrate/Nitrite as N	1.200	1.244	104	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2J29711

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J29711-CRL1	Chloride	0.5000	0.4890	97.8	mg/L	75 - 125
2J29711-CRL3	Sulfate as SO4	2.500	2.163	86.5	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2J29916

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J29916-CRL1	Chloride	0.5000	0.5240	105	mg/L	75 - 125
2J29916-CRL3	Sulfate as SO4	2.500	2.159	86.4	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2J30309

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J30309-CRL1	Chloride	0.5000	0.5800	116	mg/L	75 - 125
2J30309-CRL3	Sulfate as SO4	2.500	2.178	87.1	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J15004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J15004-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J16006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J16006-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J18005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J18005-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J18022

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J18022-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J22006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J22006-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J23001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J23001-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_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J23021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J23021-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J24009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J24009-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_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J24034

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J24034-BLK1	Nitrate/Nitrite as N	-0.0257	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J25016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J25016-BLK1	Ammonia as N	0.0488	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J25026

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J25026-BLK1	Chloride	0.0290	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J29920

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29920-BLK2	Ammonia as N	0.0650	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J29940

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29940-BLK1	Ammonia as N	0.0817	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J30423

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30423-BLK1	Nitrate/Nitrite as N	-0.0270	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13609
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13609-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J29711
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29711-CCB1	Chloride	0.0200	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2J29711-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
2J29711-CCB3	Chloride	0.0820	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2J29711-CCB4	Chloride	0.0570	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J29816
Calibration: 2298004
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29816-ICB1	Nitrate/Nitrite as N	-0.03285	0.0500	0.300	mg/L	U	E353.2
2J29816-CCB1	Nitrate/Nitrite as N	-0.0318	0.0500	0.300	mg/L	U	E353.2
2J29816-CCB2	Nitrate/Nitrite as N	-0.0312	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J29913
Calibration: 2299004
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29913-ICB1	Ammonia as N	0.0008018	0.110	0.300	mg/L	U	SM4500NH3BG
2J29913-CCB1	Ammonia as N	0.0103	0.110	0.300	mg/L	U	SM4500NH3BG
2J29913-CCB2	Ammonia as N	0.00248	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J29916
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29916-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
2J29916-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
2J29916-CCB3	Chloride	0.0190	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2J29916-CCB4	Chloride	0.0400	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_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J30309
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30309-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
2J30309-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
2J30309-CCB4	Chloride	0.0230	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2J30309-CCB5	Chloride	0.0560	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J30320
Calibration: 2303005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30320-ICB1	Ammonia as N	0.01939	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB1	Ammonia as N	-0.000382	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB2	Ammonia as N	-0.0517	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB3	Ammonia as N	0.0102	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB4	Ammonia as N	-0.0270	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB5	Ammonia as N	0.0115	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_065
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J30438
Calibration: 2304003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30438-ICB1	Nitrate/Nitrite as N	-0.02838	0.0500	0.300	mg/L	U	E353.2
2J30438-CCB1	Nitrate/Nitrite as N	-0.0236	0.0500	0.300	mg/L	U	E353.2
2J30438-CCB2	Nitrate/Nitrite as N	-0.0237	0.0500	0.300	mg/L	U	E353.2
2J30438-CCB3	Nitrate/Nitrite as N	-0.0356	0.0500	0.300	mg/L	U	E353.2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16006

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1167	ND	1242	106		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1167	1188	102	4.44		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J16006

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1167	ND	1260	108		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1167	1278	109	1.36		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0747

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J18022

% Solids:

Source Sample Name: **1210102-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	19.63	48.16	103		80 - 120
Sulfate as SO4	27.78	28.18	58.18	108		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	47.88	102	0.565		20	80 - 120
Sulfate as SO4	27.78	57.93	107	0.423		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0753

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J18022

% Solids:

Source Sample Name: **1210102-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	8.594	35.94	98.4		80 - 120
Sulfate as SO4	27.78	26.76	55.65	104		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	36.54	101	1.64		20	80 - 120
Sulfate as SO4	27.78	56.68	108	1.84		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23021

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	108.5	137.1	103		80 - 120
Sulfate as SO4	27.78	53.66	83.53	108		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	137.1	103	0.0259		20	80 - 120
Sulfate as SO4	27.78	83.53	108	0.00267		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24009

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	94.05	205.0	99.8		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	203.6	98.6	0.659		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24009

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	97.28	212.6	104		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	213.5	105	0.421		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0747

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24034

% Solids:

Source Sample Name: **1210102-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	1.034	3.763	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	3.758	109	0.146		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J25026

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	16.19	43.45	98.2		80 - 120
Sulfate as SO4	27.78	45.49	74.21	103		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	43.27	97.5	0.420		20	80 - 120
Sulfate as SO4	27.78	74.03	103	0.237		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J29920

% Solids:

Source Sample Name: **1210135-19**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.077	102		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	5.278	106	3.88		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J29940

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.572	111		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	4.775	95.5	15.4		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0793

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J30423

% Solids:

Source Sample Name: **1210135-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	3.722	6.215	99.7		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	6.200	99.1	0.242		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0869

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J30423

% Solids:

Source Sample Name: **1210135-19RE1**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	12.50	12.52	24.55	96.2		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	12.50	24.62	96.8	0.305		20	90 - 110

GW0747

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J18022
Preparation: pNone
Source Sample Name: GW0747

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-DUP1
Lab Source ID: 1210102-01
Initial/Final: 22.5 mL / 25 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	19.6	21.76	10.3		E300.0
Sulfate as SO4	20	28.2	31.20	10.2		E300.0

GW0753

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J18022
Preparation: pNone
Source Sample Name: GW0753

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J18022-DUP2
Lab Source ID: 1210102-03
Initial/Final: 22.5 mL / 25 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	8.59	10.07	15.8		E300.0
Sulfate as SO4	20	26.8	31.13	15.1		E300.0

GW0793

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J23021
Preparation: pNone
Source Sample Name: GW0793

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J23021-DUP2
Lab Source ID: 1210135-05
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	108	108.4	0.0978		E300.0
Sulfate as SO4	20	53.7	53.56	0.187		E300.0

GW0869

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J25026
Preparation: pNone
Source Sample Name: GW0869

SDG: Kirtland_065
Project: Kirtland AFB 2011
Laboratory ID: 2J25026-DUP1
Lab Source ID: 1210135-19
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	16.2	16.12	0.433		E300.0
Sulfate as SO4	20	45.5	45.30	0.416		E300.0

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J15004	Laboratory ID:	2J15004-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1133	1184	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J16006	Laboratory ID:	2J16006-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1167	1134	97.2	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J18005	Laboratory ID:	2J18005-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1150	1134	98.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J18022	Laboratory ID:	2J18022-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.658	97.0	90 - 110
Sulfate as SO4	24.00	24.31	101	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22006	Laboratory ID:	2J22006-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	1019	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23001	Laboratory ID:	2J23001-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

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23021	Laboratory ID:	2J23021-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.742	98.8	90 - 110
Sulfate as SO4	24.00	24.74	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24009	Laboratory ID:	2J24009-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1015	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24034	Laboratory ID:	2J24034-BS1
Preparation:	pNone	Initial/Final:	2 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.75	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25016	Laboratory ID:	2J25016-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	4.654	93.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25026	Laboratory ID:	2J25026-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.573	95.3	90 - 110
Sulfate as SO4	24.00	23.69	98.7	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J29920	Laboratory ID:	2J29920-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	5.111	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J29940	Laboratory ID:	2J29940-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	4.833	96.7	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J30423	Laboratory ID:	2J30423-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.98	106	90 - 110

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J15004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/15/12 08:00	270.00	200.00
GW0753	1210102-03	10/15/12 08:00	270.00	200.00
GW0769	1210102-05	10/15/12 08:00	295.00	200.00
GW0782	1210102-13	10/15/12 08:00	295.00	200.00
GW0783	1210102-15	10/15/12 08:00	295.00	200.00
GW0784	1210102-17	10/15/12 08:00	295.00	200.00
GW0785	1210102-19	10/15/12 08:00	295.00	200.00
GW0795	1210102-21	10/15/12 08:00	295.00	200.00
GW0796	1210102-23	10/15/12 08:00	270.00	200.00
GW0797	1210102-25	10/15/12 08:00	270.00	200.00
GW0798	1210102-27	10/15/12 08:00	270.00	200.00
Blank	2J15004-BLK1	10/15/12 08:00	250.00	200.00
LCS	2J15004-BS1	10/15/12 08:00	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J16006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0770	1210102-07	10/16/12 08:11	270.00	200.00
GW0771	1210102-09	10/16/12 08:11	270.00	200.00
GW0778	1210102-11	10/16/12 08:11	270.00	200.00
GW0767	1210135-01	10/16/12 08:11	270.00	200.00
GW0768	1210135-03	10/16/12 08:11	270.00	200.00
GW0793	1210135-05	10/16/12 08:11	270.00	200.00
GW0794	1210135-07	10/16/12 08:11	270.00	200.00
GW0844	1210135-09	10/16/12 08:11	270.00	200.00
GW0845	1210135-11	10/16/12 08:11	270.00	200.00
GW0869	1210135-19	10/16/12 08:11	270.00	200.00
Blank	2J16006-BLK1	10/16/12 08:11	250.00	200.00
LCS	2J16006-BS1	10/16/12 08:11	3.00	250.00
GW0793	2J16006-MS1	10/16/12 08:11	3.00	270.00
GW0869	2J16006-MS2	10/16/12 08:11	3.00	270.00
GW0793	2J16006-MSD1	10/16/12 08:11	3.00	270.00
GW0869	2J16006-MSD2	10/16/12 08:11	3.00	270.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J18005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0846	1210135-13	10/18/12 07:11	270.00	200.00
GW0847	1210135-15	10/18/12 07:11	270.00	200.00
GW0868	1210135-17	10/18/12 07:11	295.00	200.00
GW0870	1210135-21	10/18/12 07:11	295.00	200.00
Blank	2J18005-BLK1	10/18/12 07:11	250.00	200.00
LCS	2J18005-BS1	10/18/12 07:11	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J18022 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/18/12 13:54	5.00	5.00
GW0753	1210102-03	10/18/12 13:54	5.00	5.00
GW0769	1210102-05	10/18/12 13:54	5.00	5.00
GW0770	1210102-07	10/18/12 13:54	5.00	5.00
GW0778	1210102-11	10/18/12 13:54	5.00	5.00
GW0782	1210102-13	10/18/12 13:54	5.00	5.00
GW0783	1210102-15	10/18/12 13:54	5.00	5.00
GW0784	1210102-17	10/18/12 13:54	5.00	5.00
GW0785	1210102-19	10/18/12 13:54	5.00	5.00
GW0795	1210102-21	10/18/12 13:54	5.00	5.00
GW0796	1210102-23	10/18/12 13:54	5.00	5.00
Blank	2J18022-BLK1	10/18/12 08:54	5.00	5.00
LCS	2J18022-BS1	10/18/12 08:54	5.00	5.00
GW0747	2J18022-DUP1	10/18/12 13:54	22.50	25.00
GW0753	2J18022-DUP2	10/18/12 13:54	22.50	25.00
GW0747	2J18022-MS1	10/18/12 13:54	22.50	25.00
GW0753	2J18022-MS2	10/18/12 13:54	22.50	25.00
GW0747	2J18022-MSD1	10/18/12 13:54	22.50	25.00
GW0753	2J18022-MSD2	10/18/12 13:54	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J22006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0782	1210102-13	10/22/12 07:51	25.00	25.00
GW0783	1210102-15	10/22/12 07:51	25.00	25.00
GW0784	1210102-17	10/22/12 07:51	25.00	25.00
GW0785	1210102-19	10/22/12 07:51	25.00	25.00
GW0795	1210102-21	10/22/12 07:51	25.00	25.00
GW0796	1210102-23	10/22/12 07:51	25.00	25.00
GW0797	1210102-25	10/22/12 07:51	25.00	25.00
GW0798	1210102-27	10/22/12 07:51	25.00	25.00
Blank	2J22006-BLK1	10/22/12 07:51	25.00	25.00
LCS	2J22006-BS1	10/22/12 07:51	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J23001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/23/12 05:58	25.00	25.00
GW0753	1210102-03	10/23/12 05:58	25.00	25.00
GW0769	1210102-05	10/23/12 05:58	25.00	25.00
GW0770	1210102-07	10/23/12 05:58	25.00	25.00
GW0771	1210102-09	10/23/12 05:58	25.00	25.00
GW0778	1210102-11	10/23/12 05:58	25.00	25.00
Blank	2J23001-BLK1	10/23/12 05:58	25.00	25.00
LCS	2J23001-BS1	10/23/12 05:58	5.00	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J23021 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0797	1210102-25	10/23/12 14:38	5.00	5.00
GW0798	1210102-27	10/23/12 14:38	5.00	5.00
GW0767	1210135-01	10/23/12 14:38	5.00	5.00
GW0768	1210135-03	10/23/12 14:38	5.00	5.00
GW0793	1210135-05	10/23/12 14:38	5.00	5.00
GW0794	1210135-07	10/23/12 14:38	5.00	5.00
GW0844	1210135-09	10/23/12 14:38	5.00	5.00
GW0845	1210135-11	10/23/12 14:38	5.00	5.00
Blank	2J23021-BLK1	10/23/12 14:38	5.00	5.00
LCS	2J23021-BS1	10/23/12 14:38	5.00	5.00
GW0793	2J23021-DUP2	10/23/12 14:38	5.00	5.00
GW0793	2J23021-MS2	10/23/12 14:38	22.50	25.00
GW0793	2J23021-MSD2	10/23/12 14:38	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J24009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/24/12 08:06	25.00	25.00
GW0768	1210135-03	10/24/12 08:06	25.00	25.00
GW0793	1210135-05	10/24/12 08:06	25.00	25.00
GW0794	1210135-07	10/24/12 08:06	25.00	25.00
GW0844	1210135-09	10/24/12 08:06	25.00	25.00
GW0845	1210135-11	10/24/12 08:06	25.00	25.00
GW0846	1210135-13	10/24/12 08:06	25.00	25.00
GW0847	1210135-15	10/24/12 08:06	25.00	25.00
GW0868	1210135-17	10/24/12 08:06	25.00	25.00
GW0869	1210135-19	10/24/12 08:06	25.00	25.00
GW0870	1210135-21	10/24/12 08:06	25.00	25.00
Blank	2J24009-BLK1	10/24/12 08:06	25.00	25.00
LCS	2J24009-BS1	10/24/12 08:06	5.00	25.00
GW0793	2J24009-MS1	10/24/12 08:06	22.50	25.00
GW0869	2J24009-MS2	10/24/12 08:06	22.50	25.00
GW0793	2J24009-MSD1	10/24/12 08:06	22.50	25.00
GW0869	2J24009-MSD2	10/24/12 08:06	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J24034 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/24/12 13:44	4.00	20.00
GW0753	1210102-03	10/24/12 13:44	4.00	20.00
GW0769	1210102-05	10/24/12 13:44	4.00	20.00
GW0770	1210102-07	10/24/12 13:44	4.00	20.00
GW0771	1210102-09	10/24/12 13:44	4.00	20.00
GW0778	1210102-11	10/24/12 13:44	4.00	20.00
GW0782	1210102-13	10/24/12 13:44	4.00	20.00
GW0783	1210102-15	10/24/12 13:44	4.00	20.00
GW0784	1210102-17	10/24/12 13:44	4.00	20.00
GW0785	1210102-19	10/24/12 13:44	4.00	20.00
GW0795	1210102-21	10/24/12 13:44	4.00	20.00
GW0796	1210102-23	10/24/12 13:44	4.00	20.00
GW0797	1210102-25	10/24/12 13:44	4.00	20.00
GW0798	1210102-27	10/24/12 13:44	4.00	20.00
Blank	2J24034-BLK1	10/24/12 13:44	20.00	20.00
LCS	2J24034-BS1	10/24/12 13:44	2.00	20.00
GW0747	2J24034-MS1	10/24/12 13:44	4.00	20.00
GW0747	2J24034-MSD1	10/24/12 13:44	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J25016 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0747	1210102-01	10/25/12 09:39	100.00	100.00
GW0753	1210102-03	10/25/12 09:39	100.00	100.00
GW0769	1210102-05	10/25/12 09:39	100.00	100.00
GW0770	1210102-07	10/25/12 09:39	100.00	100.00
GW0771	1210102-09	10/25/12 09:39	100.00	100.00
GW0778	1210102-11	10/25/12 09:39	100.00	100.00
GW0782	1210102-13	10/25/12 09:39	100.00	100.00
GW0783	1210102-15	10/25/12 09:39	100.00	100.00
GW0784	1210102-17	10/25/12 09:39	100.00	100.00
GW0785	1210102-19	10/25/12 09:39	100.00	100.00
GW0795	1210102-21	10/25/12 09:39	100.00	100.00
GW0796	1210102-23	10/25/12 09:39	100.00	100.00
GW0797	1210102-25	10/25/12 09:39	100.00	100.00
GW0798	1210102-27	10/25/12 09:39	100.00	100.00
Blank	2J25016-BLK1	10/25/12 09:39	100.00	100.00
LCS	2J25016-BS1	10/25/12 09:39	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J25026 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0771	1210102-09RE1	10/25/12 15:02	5.00	5.00
GW0846	1210135-13	10/25/12 15:02	5.00	5.00
GW0847	1210135-15	10/25/12 15:02	5.00	5.00
GW0868	1210135-17	10/25/12 15:02	5.00	5.00
GW0869	1210135-19	10/25/12 15:02	5.00	5.00
GW0870	1210135-21	10/25/12 15:02	5.00	5.00
Blank	2J25026-BLK1	10/25/12 15:02	5.00	5.00
LCS	2J25026-BS1	10/25/12 15:02	5.00	5.00
GW0869	2J25026-DUP1	10/25/12 15:02	5.00	5.00
GW0869	2J25026-MS1	10/25/12 15:02	22.50	25.00
GW0869	2J25026-MSD1	10/25/12 15:02	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J29920 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/29/12 06:28	100.00	100.00
GW0768	1210135-03	10/29/12 06:28	100.00	100.00
GW0794	1210135-07	10/29/12 06:28	100.00	100.00
GW0844	1210135-09	10/29/12 06:28	100.00	100.00
GW0845	1210135-11	10/29/12 06:28	100.00	100.00
GW0846	1210135-13	10/29/12 06:28	100.00	100.00
GW0847	1210135-15	10/29/12 06:28	100.00	100.00
GW0868	1210135-17	10/29/12 06:28	100.00	100.00
GW0869	1210135-19	10/29/12 06:28	100.00	100.00
GW0870	1210135-21	10/29/12 06:28	100.00	100.00
Blank	2J29920-BLK2	10/29/12 06:28	100.00	100.00
LCS	2J29920-BS1	10/29/12 06:28	100.00	100.00
GW0869	2J29920-MS1	10/29/12 06:28	100.00	100.00
GW0869	2J29920-MSD1	10/29/12 06:28	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J29940 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0793	1210135-05	10/29/12 10:13	100.00	100.00
Blank	2J29940-BLK1	10/29/12 10:13	100.00	100.00
LCS	2J29940-BS1	10/29/12 10:13	100.00	100.00
GW0793	2J29940-MS1	10/29/12 10:13	100.00	100.00
GW0793	2J29940-MSD1	10/29/12 10:13	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_065

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

Batch: 2J30423 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0767	1210135-01	10/30/12 12:07	4.00	20.00
GW0768	1210135-03	10/30/12 12:07	4.00	20.00
GW0793	1210135-05	10/30/12 12:07	4.00	20.00
GW0794	1210135-07	10/30/12 12:07	4.00	20.00
GW0844	1210135-09	10/30/12 12:07	4.00	20.00
GW0845	1210135-11	10/30/12 12:07	4.00	20.00
GW0846	1210135-13	10/30/12 12:07	4.00	20.00
GW0847	1210135-15	10/30/12 12:07	4.00	20.00
GW0868	1210135-17	10/30/12 12:07	4.00	20.00
GW0869	1210135-19RE1	10/30/12 12:07	4.00	20.00
GW0870	1210135-21	10/30/12 12:07	4.00	20.00
Blank	2J30423-BLK1	10/30/12 12:07	20.00	20.00
LCS	2J30423-BS1	10/30/12 12:07	1.00	20.00
GW0793	2J30423-MS1	10/30/12 12:07	4.00	20.00
GW0869	2J30423-MS3	10/30/12 12:07	4.00	20.00
GW0793	2J30423-MSD1	10/30/12 12:07	4.00	20.00
GW0869	2J30423-MSD3	10/30/12 12:07	4.00	20.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2J22006-BS1	102212-002	10/22/12 10:41
Blank	2J22006-BLK1	102212-003	10/22/12 10:45
LCS	2J23001-BS1	102312-002	10/23/12 07:10
Blank	2J23001-BLK1	102312-003	10/23/12 07:20
LCS	2J24009-BS1	102412-002	10/24/12 08:40
Blank	2J24009-BLK1	102412-003	10/24/12 08:45
GW0793	2J24009-MS1	102412-004	10/24/12 08:50
GW0793	2J24009-MSD1	102412-005	10/24/12 08:56
GW0869	2J24009-MS2	102412-006	10/24/12 09:04
GW0869	2J24009-MSD2	102412-007	10/24/12 09:12

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_065

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2J15004-BS1	101512-001	10/15/12 13:01
Blank	2J15004-BLK1	101512-002	10/15/12 13:02
LCS	2J16006-BS1	101612-001	10/16/12 11:35
Blank	2J16006-BLK1	101612-002	10/16/12 11:36
GW0793	2J16006-MS1	101612-019	10/16/12 11:53
GW0793	2J16006-MSD1	101612-020	10/16/12 11:54
GW0869	2J16006-MS2	101612-025	10/16/12 11:59
GW0869	2J16006-MSD2	101612-026	10/16/12 12:00
LCS	2J18005-BS1	101812-001	10/18/12 14:05
Blank	2J18005-BLK1	101812-002	10/18/12 14:06

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13609	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13609-CAL1	051412-010	05/14/12 18:29
Cal Standard	2E13609-CAL2	051412-011	05/14/12 18:46
Cal Standard	2E13609-CAL3	051412-012	05/14/12 19:04
Cal Standard	2E13609-CAL4	051412-013	05/14/12 19:21
Cal Standard	2E13609-CAL5	051412-014	05/14/12 19:38
Cal Standard	2E13609-CAL6	051412-015	05/14/12 19:56
Cal Standard	2E13609-CAL7	051412-016	05/14/12 20:13
Cal Standard	2E13609-CAL8	051412-017	05/14/12 20:31
Initial Cal Check	2E13609-ICV1	051412-018	05/14/12 20:48
Initial Cal Blank	2E13609-ICB1	051412-019	05/14/12 21:06

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29711	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29711-CCV1	101812-003	10/18/12 15:31
Calibration Blank	2J29711-CCB1	101812-004	10/18/12 15:48
Instrument RL Check	2J29711-CRL1	101812-005	10/18/12 16:06
Instrument RL Check	2J29711-CRL3	101812-007	10/18/12 16:41
LCS	2J18022-BS1	101812-008	10/18/12 16:58
Blank	2J18022-BLK1	101812-009	10/18/12 17:15
GW0747	1210102-01	101812-016	10/18/12 19:18
GW0747	2J18022-MS1	101812-017	10/18/12 19:35
GW0747	2J18022-MSD1	101812-018	10/18/12 19:52
GW0747	2J18022-DUP1	101812-019	10/18/12 20:10
Calibration Check	2J29711-CCV2	101812-020	10/18/12 20:27
Calibration Blank	2J29711-CCB2	101812-021	10/18/12 20:45
GW0769	1210102-05	101812-022	10/18/12 21:02
GW0770	1210102-07	101812-023	10/18/12 21:28
GW0778	1210102-11	101812-025	10/19/12 07:25
GW0782	1210102-13	101812-026	10/19/12 07:42
GW0783	1210102-15	101812-027	10/19/12 08:00
GW0753	1210102-03	101812-028	10/19/12 08:17
GW0753	2J18022-MS2	101812-029	10/19/12 08:34
GW0753	2J18022-MSD2	101812-030	10/19/12 08:52
GW0753	2J18022-DUP2	101812-031	10/19/12 09:09
Calibration Check	2J29711-CCV3	101812-032	10/19/12 09:27
Calibration Blank	2J29711-CCB3	101812-033	10/19/12 09:44
GW0784	1210102-17	101812-034	10/19/12 10:02
GW0785	1210102-19	101812-035	10/19/12 10:19
GW0795	1210102-21	101812-036	10/19/12 10:37
GW0796	1210102-23	101812-037	10/19/12 10:54
Calibration Check	2J29711-CCV4	101812-040	10/19/12 11:46
Calibration Blank	2J29711-CCB4	101812-041	10/19/12 12:04

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29816	Instrument:	WC-Lachat
Calibration:	2298004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29816-CAL1	M_10-24-2012_02-35-00PM-0	10/24/12 14:37
Cal Standard	2J29816-CAL2	M_10-24-2012_02-35-00PM-0	10/24/12 14:38
Cal Standard	2J29816-CAL3	M_10-24-2012_02-35-00PM-0	10/24/12 14:39
Cal Standard	2J29816-CAL4	M_10-24-2012_02-35-00PM-0	10/24/12 14:41
Cal Standard	2J29816-CAL5	M_10-24-2012_02-35-00PM-0	10/24/12 14:42
Cal Standard	2J29816-CAL6	M_10-24-2012_02-35-00PM-0	10/24/12 14:44
Cal Standard	2J29816-CAL7	M_10-24-2012_02-35-00PM-0	10/24/12 14:45
Cal Standard	2J29816-CAL8	M_10-24-2012_02-35-00PM-0	10/24/12 14:47
Initial Cal Check	2J29816-ICV1	M_10-24-2012_02-35-00PM-0	10/24/12 14:48
Initial Cal Blank	2J29816-ICB1	M_10-24-2012_02-35-00PM-0	10/24/12 14:50
Blank	2J24034-BLK1	M_10-24-2012_02-35-00PM-0	10/24/12 14:53
LCS	2J24034-BS1	M_10-24-2012_02-35-00PM-0	10/24/12 14:54
GW0747	1210102-01	M_10-24-2012_02-35-00PM-0	10/24/12 14:55
GW0747	2J24034-MS1	M_10-24-2012_02-35-00PM-0	10/24/12 14:57
GW0747	2J24034-MSD1	M_10-24-2012_02-35-00PM-0	10/24/12 14:58
GW0753	1210102-03	M_10-24-2012_02-35-00PM-0	10/24/12 15:00
GW0769	1210102-05	M_10-24-2012_02-35-00PM-0	10/24/12 15:01
GW0770	1210102-07	M_10-24-2012_02-35-00PM-0	10/24/12 15:03
GW0771	1210102-09	M_10-24-2012_02-35-00PM-0	10/24/12 15:04
GW0778	1210102-11	M_10-24-2012_02-35-00PM-0	10/24/12 15:06
GW0782	1210102-13	M_10-24-2012_02-35-00PM-0	10/24/12 15:07
GW0783	1210102-15	M_10-24-2012_02-35-00PM-0	10/24/12 15:08
GW0784	1210102-17	M_10-24-2012_02-35-00PM-0	10/24/12 15:10
GW0785	1210102-19	M_10-24-2012_02-35-00PM-0	10/24/12 15:11
Calibration Check	2J29816-CCV1	M_10-24-2012_02-35-00PM-0	10/24/12 15:13
Calibration Blank	2J29816-CCB1	M_10-24-2012_02-35-00PM-0	10/24/12 15:14
GW0795	1210102-21	M_10-24-2012_02-35-00PM-0	10/24/12 15:16
GW0796	1210102-23	M_10-24-2012_02-35-00PM-0	10/24/12 15:17
GW0797	1210102-25	M_10-24-2012_02-35-00PM-0	10/24/12 15:19
GW0798	1210102-27	M_10-24-2012_02-35-00PM-0	10/24/12 15:20
Calibration Check	2J29816-CCV2	M_10-24-2012_02-35-00PM-0	10/24/12 15:27
Calibration Blank	2J29816-CCB2	M_10-24-2012_02-35-00PM-0	10/24/12 15:29

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29913	Instrument:	WC-Lachat
Calibration:	2299004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29913-CAL2	M_10-25-2012_01-44-36PM-0	10/25/12 13:46
Cal Standard	2J29913-CAL1	M_10-25-2012_01-44-36PM-0	10/25/12 13:46
Cal Standard	2J29913-CAL3	M_10-25-2012_01-44-36PM-0	10/25/12 13:47
Cal Standard	2J29913-CAL4	M_10-25-2012_01-44-36PM-0	10/25/12 13:48
Cal Standard	2J29913-CAL5	M_10-25-2012_01-44-36PM-0	10/25/12 13:49
Cal Standard	2J29913-CAL6	M_10-25-2012_01-44-36PM-0	10/25/12 13:50
Cal Standard	2J29913-CAL7	M_10-25-2012_01-44-36PM-0	10/25/12 13:51
Cal Standard	2J29913-CAL8	M_10-25-2012_01-44-36PM-0	10/25/12 13:52
Initial Cal Check	2J29913-ICV1	M_10-25-2012_01-44-36PM-0	10/25/12 13:53
Initial Cal Blank	2J29913-ICB1	M_10-25-2012_01-44-36PM-0	10/25/12 13:54
Blank	2J25016-BLK1	M_10-25-2012_01-44-36PM-0	10/25/12 13:55
LCS	2J25016-BS1	M_10-25-2012_01-44-36PM-0	10/25/12 13:56
GW0747	1210102-01	M_10-25-2012_01-44-36PM-0	10/25/12 13:57
GW0753	1210102-03	M_10-25-2012_01-44-36PM-0	10/25/12 13:58
GW0769	1210102-05	M_10-25-2012_01-44-36PM-0	10/25/12 13:59
GW0770	1210102-07	M_10-25-2012_01-44-36PM-0	10/25/12 14:00
GW0771	1210102-09	M_10-25-2012_01-44-36PM-0	10/25/12 14:01
GW0778	1210102-11	M_10-25-2012_01-44-36PM-0	10/25/12 14:02
GW0782	1210102-13	M_10-25-2012_01-44-36PM-0	10/25/12 14:03
GW0783	1210102-15	M_10-25-2012_01-44-36PM-0	10/25/12 14:04
GW0785	1210102-19	M_10-25-2012_01-44-36PM-0	10/25/12 14:05
GW0784	1210102-17	M_10-25-2012_01-44-36PM-0	10/25/12 14:05
Calibration Check	2J29913-CCV1	M_10-25-2012_01-44-36PM-0	10/25/12 14:06
Calibration Blank	2J29913-CCB1	M_10-25-2012_01-44-36PM-0	10/25/12 14:07
GW0795	1210102-21	M_10-25-2012_01-44-36PM-0	10/25/12 14:08
GW0796	1210102-23	M_10-25-2012_01-44-36PM-0	10/25/12 14:09
GW0797	1210102-25	M_10-25-2012_01-44-36PM-0	10/25/12 14:10
GW0798	1210102-27	M_10-25-2012_01-44-36PM-0	10/25/12 14:11
Calibration Check	2J29913-CCV2	M_10-25-2012_01-44-36PM-0	10/25/12 14:21
Calibration Blank	2J29913-CCB2	M_10-25-2012_01-44-36PM-0	10/25/12 14:22

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29916	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29916-CCV1	102312-003	10/23/12 18:15
Calibration Blank	2J29916-CCB1	102312-004	10/23/12 18:32
Instrument RL Check	2J29916-CRL1	102312-005	10/23/12 18:50
Instrument RL Check	2J29916-CRL3	102312-007	10/23/12 19:25
LCS	2J23021-BS1	102312-008	10/23/12 19:42
Blank	2J23021-BLK1	102312-009	10/23/12 20:00
Calibration Check	2J29916-CCV2	102312-020	10/23/12 23:11
Calibration Blank	2J29916-CCB2	102312-021	10/23/12 23:29
GW0797	1210102-25	102312-027	10/24/12 01:13
GW0793	1210135-05	102312-028	10/24/12 01:31
GW0793	2J23021-MS2	102312-029	10/24/12 01:48
GW0793	2J23021-MSD2	102312-030	10/24/12 02:06
GW0793	2J23021-DUP2	102312-031	10/24/12 02:23
Calibration Check	2J29916-CCV3	102312-032	10/24/12 02:41
Calibration Blank	2J29916-CCB3	102312-033	10/24/12 02:58
GW0798	1210102-27	102312-034	10/24/12 03:15
GW0767	1210135-01	102312-035	10/24/12 03:33
GW0768	1210135-03	102312-036	10/24/12 03:50
GW0794	1210135-07	102312-037	10/24/12 04:08
GW0844	1210135-09	102312-038	10/24/12 04:25
GW0845	1210135-11	102312-039	10/24/12 04:42
Calibration Check	2J29916-CCV4	102312-040	10/24/12 05:00
Calibration Blank	2J29916-CCB4	102312-041	10/24/12 05:17

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30309	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J30309-CCV1	102512-003	10/25/12 16:52
Calibration Blank	2J30309-CCB1	102512-004	10/25/12 17:10
Instrument RL Check	2J30309-CRL1	102512-005	10/25/12 17:27
Instrument RL Check	2J30309-CRL3	102512-007	10/25/12 18:02
Calibration Check	2J30309-CCV2	102512-020	10/25/12 21:48
Calibration Blank	2J30309-CCB2	102512-021	10/25/12 22:06
Calibration Check	2J30309-CCV4	102512-040	10/26/12 03:37
Calibration Blank	2J30309-CCB4	102512-041	10/26/12 03:55
LCS	2J25026-BS1	102512-042	10/26/12 04:12
Blank	2J25026-BLK1	102512-043	10/26/12 04:30
GW0771	1210102-09RE1	102512-044	10/26/12 04:47
GW0846	1210135-13	102512-045	10/26/12 05:04
GW0847	1210135-15	102512-046	10/26/12 05:22
GW0868	1210135-17	102512-047	10/26/12 05:39
GW0870	1210135-21	102512-048	10/26/12 05:57
GW0869	1210135-19	102512-051	10/26/12 06:49
GW0869	2J25026-MS1	102512-052	10/26/12 07:07
GW0869	2J25026-MSD1	102512-053	10/26/12 07:24
GW0869	2J25026-DUP1	102512-054	10/26/12 07:41
Calibration Check	2J30309-CCV5	102512-055	10/26/12 07:59
Calibration Blank	2J30309-CCB5	102512-056	10/26/12 08:16

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30320	Instrument:	WC-Lachat
Calibration:	2303005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J30320-CAL1	M_10-29-2012_02-25-21PM-0	10/29/12 14:26
Cal Standard	2J30320-CAL2	M_10-29-2012_02-25-21PM-0	10/29/12 14:27
Cal Standard	2J30320-CAL3	M_10-29-2012_02-25-21PM-0	10/29/12 14:28
Cal Standard	2J30320-CAL5	M_10-29-2012_02-25-21PM-0	10/29/12 14:29
Cal Standard	2J30320-CAL4	M_10-29-2012_02-25-21PM-0	10/29/12 14:29
Cal Standard	2J30320-CAL6	M_10-29-2012_02-25-21PM-0	10/29/12 14:30
Cal Standard	2J30320-CAL7	M_10-29-2012_02-25-21PM-0	10/29/12 14:31
Cal Standard	2J30320-CAL8	M_10-29-2012_02-25-21PM-0	10/29/12 14:32
Initial Cal Check	2J30320-ICV1	M_10-29-2012_02-25-21PM-0	10/29/12 14:33
Initial Cal Blank	2J30320-ICB1	M_10-29-2012_02-25-21PM-0	10/29/12 14:34
LCS	2J29920-BS1	M_10-29-2012_02-25-21PM-0	10/29/12 14:36
GW0767	1210135-01	M_10-29-2012_02-25-21PM-0	10/29/12 14:37
GW0768	1210135-03	M_10-29-2012_02-25-21PM-0	10/29/12 14:38
GW0794	1210135-07	M_10-29-2012_02-25-21PM-0	10/29/12 14:39
GW0844	1210135-09	M_10-29-2012_02-25-21PM-0	10/29/12 14:40
GW0845	1210135-11	M_10-29-2012_02-25-21PM-0	10/29/12 14:41
GW0846	1210135-13	M_10-29-2012_02-25-21PM-0	10/29/12 14:42
GW0847	1210135-15	M_10-29-2012_02-25-21PM-0	10/29/12 14:43
GW0868	1210135-17	M_10-29-2012_02-25-21PM-0	10/29/12 14:44
GW0869	1210135-19	M_10-29-2012_02-25-21PM-0	10/29/12 14:45
GW0869	2J29920-MS1	M_10-29-2012_02-25-21PM-0	10/29/12 14:46
GW0869	2J29920-MSD1	M_10-29-2012_02-25-21PM-0	10/29/12 14:47
GW0870	1210135-21	M_10-29-2012_02-25-21PM-0	10/29/12 14:47
Calibration Check	2J30320-CCV1	M_10-29-2012_02-25-21PM-0	10/29/12 14:48
Calibration Blank	2J30320-CCB1	M_10-29-2012_02-25-21PM-0	10/29/12 14:49
Calibration Check	2J30320-CCV2	M_10-29-2012_02-25-21PM-0	10/29/12 15:00
Calibration Blank	2J30320-CCB2	M_10-29-2012_02-25-21PM-0	10/29/12 15:01
Blank	2J29940-BLK1	M_10-29-2012_02-25-21PM-0	10/29/12 15:02
LCS	2J29940-BS1	M_10-29-2012_02-25-21PM-0	10/29/12 15:03
GW0793	1210135-05	M_10-29-2012_02-25-21PM-0	10/29/12 15:04
GW0793	2J29940-MS1	M_10-29-2012_02-25-21PM-0	10/29/12 15:05
GW0793	2J29940-MSD1	M_10-29-2012_02-25-21PM-0	10/29/12 15:06

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30320	Instrument:	WC-Lachat
Calibration:	2303005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J30320-CCV3	M_10-29-2012_02-25-21PM-0	10/29/12 15:15
Calibration Blank	2J30320-CCB3	M_10-29-2012_02-25-21PM-0	10/29/12 15:16
Calibration Check	2J30320-CCV4	M_10-29-2012_02-25-21PM-0	10/29/12 15:27
Calibration Blank	2J30320-CCB4	M_10-29-2012_02-25-21PM-0	10/29/12 15:28
Blank	2J29920-BLK2	M_10-29-2012_02-25-21PM-0	10/29/12 15:29
Calibration Check	2J30320-CCV5	M_10-29-2012_02-25-21PM-0	10/29/12 15:31
Calibration Blank	2J30320-CCB5	M_10-29-2012_02-25-21PM-0	10/29/12 15:31

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30438	Instrument:	WC-Lachat
Calibration:	2304003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J30438-CAL1	M_10-30-2012_01-01-31PM-0	10/30/12 13:03
Cal Standard	2J30438-CAL2	M_10-30-2012_01-01-31PM-0	10/30/12 13:05
Cal Standard	2J30438-CAL3	M_10-30-2012_01-01-31PM-0	10/30/12 13:06
Cal Standard	2J30438-CAL4	M_10-30-2012_01-01-31PM-0	10/30/12 13:07
Cal Standard	2J30438-CAL5	M_10-30-2012_01-01-31PM-0	10/30/12 13:09
Cal Standard	2J30438-CAL6	M_10-30-2012_01-01-31PM-0	10/30/12 13:10
Cal Standard	2J30438-CAL7	M_10-30-2012_01-01-31PM-0	10/30/12 13:12
Cal Standard	2J30438-CAL8	M_10-30-2012_01-01-31PM-0	10/30/12 13:13
Initial Cal Check	2J30438-ICV1	M_10-30-2012_01-01-31PM-0	10/30/12 13:15
Initial Cal Blank	2J30438-ICB1	M_10-30-2012_01-01-31PM-0	10/30/12 13:16
Blank	2J30423-BLK1	M_10-30-2012_01-01-31PM-0	10/30/12 13:19
LCS	2J30423-BS1	M_10-30-2012_01-01-31PM-0	10/30/12 13:20
GW0767	1210135-01	M_10-30-2012_01-01-31PM-0	10/30/12 13:22
GW0768	1210135-03	M_10-30-2012_01-01-31PM-0	10/30/12 13:23
GW0793	1210135-05	M_10-30-2012_01-01-31PM-0	10/30/12 13:25
GW0793	2J30423-MS1	M_10-30-2012_01-01-31PM-0	10/30/12 13:26
GW0793	2J30423-MSD1	M_10-30-2012_01-01-31PM-0	10/30/12 13:28
GW0794	1210135-07	M_10-30-2012_01-01-31PM-0	10/30/12 13:29
GW0844	1210135-09	M_10-30-2012_01-01-31PM-0	10/30/12 13:31
GW0845	1210135-11	M_10-30-2012_01-01-31PM-0	10/30/12 13:32
GW0846	1210135-13	M_10-30-2012_01-01-31PM-0	10/30/12 13:33
GW0847	1210135-15	M_10-30-2012_01-01-31PM-0	10/30/12 13:35
GW0868	1210135-17	M_10-30-2012_01-01-31PM-0	10/30/12 13:36
GW0870	1210135-21	M_10-30-2012_01-01-31PM-0	10/30/12 13:38
Calibration Check	2J30438-CCV1	M_10-30-2012_01-01-31PM-0	10/30/12 13:39
Calibration Blank	2J30438-CCB1	M_10-30-2012_01-01-31PM-0	10/30/12 13:41
Calibration Check	2J30438-CCV2	M_10-30-2012_01-01-31PM-0	10/30/12 14:00
Calibration Blank	2J30438-CCB2	M_10-30-2012_01-01-31PM-0	10/30/12 14:01
GW0869	1210135-19RE1	M_10-30-2012_01-01-31PM-0	10/30/12 14:03
GW0869	2J30423-MS3	M_10-30-2012_01-01-31PM-0	10/30/12 14:04
GW0869	2J30423-MSD3	M_10-30-2012_01-01-31PM-0	10/30/12 14:05
Calibration Check	2J30438-CCV3	M_10-30-2012_01-01-31PM-0	10/30/12 14:07

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_065
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30438	Instrument:	WC-Lachat
Calibration:	2304003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2J30438-CCB3	M_10-30-2012_01-01-31PM-0	10/30/12 14:08