ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_035

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

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THIS DOCUMENT MEETS DoD QSM 4.1 STANDARDS

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

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Sample Delivery Group Case Narrative

Receipt Information

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

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

Changes to the Revision

Revision 01: Due to an internal evaluation, the laboratory discovered a calculation error with the Final Result for EDB that was previously reported. The Initial and Final volumes were reversed in the entry into LIMS causing the change in the Final Results that were reported on the Data Package and the EDD. This error affected all Detection Limits and the positive results reported. Each sample within this SDG with a positive result, is listed below with the original and the new Final Result.

Client ID	Original Result	Final Result
GW0327	0.0691 ug/L	0.0618 ug/L
GW0330	1.28 ug/L	1.14 ug/L
GW0333	0.239 ug/L	0.207 ug/L

Analytical Information

All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. The following information is provided specific to individual methods:

Chromatographic Flags for Manual Integration:

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

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

SW8260B:
The surrogate Dibromofluoromethane exceeded criteria with a positive bias in 1111104-09 and 1111109-09.

The method blanks 1K16023-BLK1 and 1K16026-BLK1 have positive results for Hexachlorobutadiene.

The batch spike duplicate 1K16023-BSD1 was analyzed 12 hours 35 minutes after the associated tune standard.

The continuing calibration verification 1K32110-CCV1 exceeded criteria with a positive bias for 4-Methyl-2-pentanone.

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

SW8270C BNA:
The surrogate 2-Fluorophenol exceeded criteria with a negative bias in 1111091-01, -03, -05, 1111093-01, -03, and -05. The surrogate 2,4,6-Tribromophenol exceeded criteria with a negative bias in 1111091-01. The surrogate 2-Fluorobiphenyl exceeded criteria with a negative bias in 1111091-03, -05, 1111093-01, and -03.

The batch spike associated to batch 1K10001 exceeded recovery criteria with a negative bias for Caprolactam and 2-Methylphenol. The batch spikes associated to batch 1K14001 exceeded recovery criteria with a negative bias for Caprolactam and with a positive bias for Butylbenzylphthalate. The batch spikes associated to batch 1K17001 exceeded recovery criteria with a negative bias for Caprolactam and 2-Methylphenol, exceeded recovery criteria with a positive bias for 4-Chlorophenyl phenyl ether and 2-Nitroaniline, and exceeded relative percent difference criteria for Bis(2-chloroethyl)ether, 2-Chlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, Hexachlorobutadiene, Hexachloroethane, and 2-Nitrophenol.

The internal standard Phenanthrene-d10 exceeded criteria with a negative bias in 1111109-01

The initial calibration verifications exceeded criteria in 1E12203-ICV3 with a positive bias for 2,4-Dinitrophenol and in 1K31411-ICV2 with a positive bias for 3,3'-Dichlorobenzidine.

The continuing calibration verifications exceeded criteria in 1K32215-CCV1 with a negative bias for Benzaldehyde and with a positive bias for 2,4-Dinitrophenol, in 1K32715-CCV1 with a negative bias for Atrazine and Benzaldehyde and with a positive bias for Butylbenzylphthalate, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate, in 1K33208-CCV1 with a positive bias for 3,3'-Dichlorobenzidine, Benzo(b)fluoranthene, 4-Chlorophenyl phenyl ether, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Hexachlorobutadiene, 4-Nitroaniline, 2-Nitroaniline, 3-Nitroaniline, 4-Nitrophenol,

2,4,6-Trichloroophenol, and 2,4,5-Trichlorophenol and with a negative bias for Bis(2-Chloroethoxy)methane, 2,2'-Oxybis-1-chloropropane, and Phenol-d6, and in 1K33215-CCV1 with a negative bias for Atrazine and Benzaldehyde and with a positive bias for Butylbenzylphthalate, Di-n-octylphthalate, Bis(2-ethylhexyl)phthalate, and 2,4,6-Tribromophenol.

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

SW8015B GRO:
No anomalies or deviations are noted.

SW8015B DRO:
No anomalies or deviations are noted.

SW8011 EDB:
No anomalies or deviations are noted.

SW6010B:
No anomalies or deviations are noted.

Wet Chemistry:
Samples 1111091-01, -03, -05, 1111093-01, -03, -05, 1111104-01, -03, -05, -07, -09, -11, 1111109-01, -03, -05, -07, and -09 are qualified with an M for Chloride and Sulfate as SO4 (2.5mg/L) to indicate that the LOQ was raised to the concentration indicated which is the level of the RL standard within criteria.

The method blank 1K16029-BLK1 and initial calibration blank 1K32014-ICB1 have results for Nitrate/Nitrite as N.

The batch spikes associated to batches 1K21014, 1K22020, and 1K22025 exceeded recovery criteria with a positive bias for Chloride.

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

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

Analytical Report Terms and Qualifiers

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

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.1 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.1 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

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

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard failed criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

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

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

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

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

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

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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

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111091

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW139

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

Samples Shipment Date: 07 NOV 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616115

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

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

~~Special Instructions:~~

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

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

1. Relinquished By (Signature/Affiliation) [signature] Date: 11/7/11 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) [signature] Date: 11/8/11 Time: 0820

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		

1111091

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW139

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0291	KAFB-106038-WG-GW0291-REG	07 NOV 2011	10:10	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0301	KAFB-106046-WG-GW0301-REG	07 NOV 2011	10:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0302	KAFB-106047-WG-GW0302-REG	07 NOV 2011	13:13	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
07	GW8139-TB	FIELDQC-BW-GW8139-TB-TB	07 NOV 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

1111091

Cooler Received/Opened On_ 11/08/11 @ 0820

1. Tracking #_____6115_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius + correction factor 0.0* = 1.4

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

11/11/09

Cooler Received/Opened On_ 11/08/11 @ 0820

1. Tracking #_____6126_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius + correction factor 0.0* = 1.2

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

* GW301 HAD 2 VOA'S BROKEN IN SHIPMENT.

1111093

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW140

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

Samples Shipment Date: 08 NOV 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616137

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw — Date: 11/8/11 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: 11/9/11 Time: 0815

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

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1111093

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW140

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
02	GW0303	KAFB-106048-WG-GW0303-REG	08 NOV 2011	10:35	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
03	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0327	KAFB-106070-WG-GW0327-REG	08 NOV 2011	10:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0330	KAFB-106072-WG-GW0330-REG	07 NOV 2011	14:52	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
07	GW8034-AB	FIELDQC-BW-GW8034-AB-FB	08 NOV 2011	10:35	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW8140-TB	FIELDQC-BW-GW8140-TB-TB	08 NOV 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

1111093

Cooler Received/Opened On_ 11/09/11 @ 0815

1. Tracking #_____6137_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.7 *Degrees Celsius + correction factor 0.0* = 4.7

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

1111093

Cooler Received/Opened On_ 11/09/11 @ 0815

1. Tracking #_____ 6114 _____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.1 Degrees Celsius + correction factor 0.0 = 3.1

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

1111093

Cooler Received/Opened On_ 11/09/11 @ 0815

1. Tracking #_____'0159_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.1 *Degrees Celsius + correction factor* 0.0 = 3.1

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

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111104

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW141
Page 1 of 4

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

Samples Shipment Date: 09 NOV 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616160

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 11/9/11 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: 11/10/11 Time: 0820

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
↓	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
↓	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
↓	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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Shaw E & I, Inc.

1111104

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW141

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0269	KAFB-106015-WG-GW0269-REG	08 NOV 2011	14:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
03	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0318	KAFB-106062-WG-GW0318-REG	09 NOV 2011	11:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0319	KAFB-106063-WG-GW0319-REG	09 NOV 2011	13:53	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
07	GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

Shaw
Shaw E & I, Inc.

1111104

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW141

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07 GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0328	KAFB-106071-WG-GW0328-REG	08 NOV 2011	14:31	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
08 GW0329 10	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
09 GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0329	KAFB-106071-WG-GW0329-FD	08 NOV 2011	14:31	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
11 GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
12 GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11 GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0362	KAFB-106099-WG-GW0362-REG	09 NOV 2011	11:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

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11/11/04

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW141

Page 4 of 4

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
BT2 GW8141-TB	FIELDQC-BW-GW8141-TB-TB	09 NOV 2011	08:00	40 mL VOA VIAL	2 HCl<pH 2	VOCs by SW846 8260B			N		

11/16

11/11/04

Cooler Received/Opened On_ 11/10/11 @ 0820

1. Tracking #_____6160_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.6 *Degrees Celsius + correction factor 0.0* = 2.6

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

*GW0362," HAD 1 VOA (UNPRESERVED) BROKEN IN SHIPMENT. 2 VOA'S CAN STILL BE USED FOR ANALYSIS.

11/11/04

Cooler Received/Opened On 11/10/11 @ 0820

1. Tracking # 6192 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.9 *Degrees Celsius + correction factor 0.0* = 4.9

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

11/11/04

Cooler Received/Opened On_ 11/10/11 @ 0820

1. Tracking #_____6181_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.8 *Degrees Celsius + correction factor* 0.0 = 0.8

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

11/11/04

Cooler Received/Opened On_ 11/10/11 @ 0820

1. Tracking #_____ 6170 _____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened 1.0 *Degrees Celsius + correction factor* 0.0 = 1.0

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW142

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

Samples Shipment Date: 10 NOV 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616218

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) [signature] Shaw — Date: 11/10/11 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

1. Received By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) [signature] — Date: 11.11.11 Time: 0835

Comments:

1111109

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
↓	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-01 ↓	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW142

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0258	KAFB-106002-WG-GW0258-REG	10 NOV 2011	10:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
-03	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-04	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0333	KAFB-106075-WG-GW0333-REG	10 NOV 2011	13:08	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-05	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-06	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-05	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0361	KAFB-106004-WG-GW0361-REG	10 NOV 2011	10:20	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
-07	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

Shaw™
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW142

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-07	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	250 mL HDPE	1	None except cool to 4 C	Ammonia by SM4500B Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-08	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-07	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0363	KAFB-106100-WG-GW0363-REG	09 NOV 2011	14:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-10	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-09	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	1 L Amb. Glass	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0364	KAFB-106100-WG-GW0364-FD	09 NOV 2011	14:22	1 L Amb. Glass	2	None except cool to 4 C	SVOCs by SW846 8270D			N		
-11	GW8142-TB	FIELDQC-BW-GW8142-TB-TB	10 NOV 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 11/11/11 @ 0835

1. Tracking #_____6229_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius + correction factor 0.0* = 1.9

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 11/11/11 @ 0835

1. Tracking #_____6218_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.5 *Degrees Celsius + correction factor 0.0* = 0.5

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 11/11/11 @ 0835

1. Tracking #_____6230_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.3 *Degrees Celsius + correction factor 0.0* = 4.3

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

WORK ORDER

1111091

Printed: 12/19/2011 10:27:49AM

Empirical Laboratories, LLC

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

Project Manager: **Jennifer Chandler**
Project Number: **SHW_Kirtland**

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

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

Date Due: 12/01/2011 16:00 (15 day TAT)

Received By: Benjamin C. Wright

Logged In By: Benjamin C. Wright

Date Received: 11/08/2011 08:20

Date Logged In 11/08/2011 10:43

Samples Received at: **1.4°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1111091

Printed: 12/19/2011 10:27:49AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111091-01 GW0291 [Water] Sampled 11/07/2011 10:10 Mountain					
SM4500S2CF	11/28/2011 14:00	15	11/14/2011 11:10		
SW8011	11/28/2011 14:00	15	11/21/2011 11:10		
SW6010B	11/28/2011 14:00	15	05/05/2012 11:10		Ca, Pb, K, Na, Mg
SW8270C	11/28/2011 14:00	15	11/14/2011 11:10		requires 3-Methlphenol/4-Methylphenol
E353.2	11/28/2011 14:00	15	12/05/2011 11:10		
E300.0	11/28/2011 14:00	15	12/05/2011 11:10		Cl, SO4
SM4500NH3BG	11/28/2011 14:00	15	12/05/2011 11:10		
SM2320B	11/28/2011 14:00	15	11/21/2011 11:10		carb/bicarb
SW8260B	11/28/2011 14:00	15	11/21/2011 11:10		9 Y qualifiers - DNR
SW8015B GRO	11/28/2011 14:00	15	11/21/2011 11:10		
SW8015B DRO	11/28/2011 14:00	15	11/14/2011 11:10		
1111091-02 GW0291 [Water] Sampled 11/07/2011 10:10 Mountain					
SW6010B	11/28/2011 14:00	15	05/05/2012 11:10		Fe & Mn

WORK ORDER

1111091

Printed: 12/19/2011 10:27:49AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111091-03 GW0301 [Water] Sampled 11/07/2011 10:42 Mountain					
E353.2	11/28/2011 14:00	15	12/05/2011 11:42		
SW6010B	11/28/2011 14:00	15	05/05/2012 11:42		Ca, Pb, K, Na, Mg
SW8015B DRO	11/28/2011 14:00	15	11/14/2011 11:42		
SW8011	11/28/2011 14:00	15	11/21/2011 11:42		
SW8015B GRO	11/28/2011 14:00	15	11/21/2011 11:42		
SW8260B	11/28/2011 14:00	15	11/21/2011 11:42		9 Y qualifiers - DNR
SM2320B	11/28/2011 14:00	15	11/21/2011 11:42		carb/bicarb
SM4500S2CF	11/28/2011 14:00	15	11/14/2011 11:42		
SW8270C	11/28/2011 14:00	15	11/14/2011 11:42		requires 3-Methlphenol/4-Methylphenol
E300.0	11/28/2011 14:00	15	12/05/2011 11:42		Cl, SO4
SM4500NH3BG	11/28/2011 14:00	15	12/05/2011 11:42		
1111091-04 GW0301 [Water] Sampled 11/07/2011 10:42 Mountain					
SW6010B	11/28/2011 14:00	15	05/05/2012 11:42		Fe & Mn

WORK ORDER

1111091

Printed: 12/19/2011 10:27:49AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111091-05 GW0302 [Water] Sampled 11/07/2011 13:13 Mountain					
SW8260B	11/28/2011 14:00	15	11/21/2011 14:13		9 Y qualifiers - DNR
SW8270C	11/28/2011 14:00	15	11/14/2011 14:13		requires 3-Methlphenol/4-Methylphenol
SM4500S2CF	11/28/2011 14:00	15	11/14/2011 14:13		
E353.2	11/28/2011 14:00	15	12/05/2011 14:13		
E300.0	11/28/2011 14:00	15	12/05/2011 14:13		Cl, SO4
SM2320B	11/28/2011 14:00	15	11/21/2011 14:13		carb/bicarb
SW8015B GRO	11/28/2011 14:00	15	11/21/2011 14:13		
SW8011	11/28/2011 14:00	15	11/21/2011 14:13		
SW8015B DRO	11/28/2011 14:00	15	11/14/2011 14:13		
SW6010B	11/28/2011 14:00	15	05/05/2012 14:13		Ca, Pb, K, Na, Mg
SM4500NH3BG	11/28/2011 14:00	15	12/05/2011 14:13		
1111091-06 GW0302 [Water] Sampled 11/07/2011 13:13 Mountain					
SW6010B	11/28/2011 14:00	15	05/05/2012 14:13		Fe & Mn
1111091-07 GW8139-TB [Water] Sampled 11/07/2011 08:00 Mountain					
SW8260B	11/28/2011 14:00	15	11/21/2011 09:00		9 Y qualifiers - DNR

WORK ORDER

1111093

Printed: 12/19/2011 10:28:41AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

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

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

Date Due: 12/02/2011 16:00 (15 day TAT)
Received By: Benjamin C. Wright
Logged In By: Benjamin C. Wright

Date Received: 11/09/2011 08:15
Date Logged In 11/09/2011 09:30

Samples Received at: **4.7°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1111093

Printed: 12/19/2011 10:28:41AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111093-01 GW0303 [Water] Sampled 11/08/2011 10:35 Mountain					
SW8015B DRO	11/29/2011 14:00	15	11/15/2011 11:35		
SW8011	11/29/2011 14:00	15	11/22/2011 11:35		
SW8015B GRO	11/29/2011 14:00	15	11/22/2011 11:35		
SW8260B	11/29/2011 14:00	15	11/22/2011 11:35		9 Y qualifiers - DNR
SM2320B	11/29/2011 14:00	15	11/22/2011 11:35		carb/bicarb
SM4500NH3BG	11/29/2011 14:00	15	12/06/2011 11:35		
E300.0	11/29/2011 14:00	15	12/06/2011 11:35		Cl, SO4
E353.2	11/29/2011 14:00	15	12/06/2011 11:35		
SM4500S2CF	11/29/2011 14:00	15	11/15/2011 11:35		
SW8270C	11/29/2011 14:00	15	11/15/2011 11:35		requires 3-Methlphenol/4-Methylphenol
SW6010B	11/29/2011 14:00	15	05/06/2012 11:35		Ca, Pb, K, Na, Mg
1111093-02 GW0303 [Water] Sampled 11/08/2011 10:35 Mountain					
SW6010B	11/29/2011 14:00	15	05/06/2012 11:35		Fe & Mn

WORK ORDER

1111093

Printed: 12/19/2011 10:28:41AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111093-03 GW0327 [Water] Sampled 11/08/2011 10:31 Mountain					
SW8015B DRO	11/29/2011 14:00	15	11/15/2011 11:31		
SW8011	11/29/2011 14:00	15	11/22/2011 11:31		
SW8015B GRO	11/29/2011 14:00	15	11/22/2011 11:31		
SM2320B	11/29/2011 14:00	15	11/22/2011 11:31		carb/bicarb
SM4500NH3BG	11/29/2011 14:00	15	12/06/2011 11:31		
E300.0	11/29/2011 14:00	15	12/06/2011 11:31		Cl, SO4
E353.2	11/29/2011 14:00	15	12/06/2011 11:31		
SM4500S2CF	11/29/2011 14:00	15	11/15/2011 11:31		
SW8270C	11/29/2011 14:00	15	11/15/2011 11:31		requires 3-Methlphenol/4-Methylphenol
SW8260B	11/29/2011 14:00	15	11/22/2011 11:31		9 Y qualifiers - DNR
SW6010B	11/29/2011 14:00	15	05/06/2012 11:31		Ca, Pb, K, Na, Mg
1111093-04 GW0327 [Water] Sampled 11/08/2011 10:31 Mountain					
SW6010B	11/29/2011 14:00	15	05/06/2012 11:31		Fe & Mn

WORK ORDER

1111093

Printed: 12/19/2011 10:28:41AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111093-05 GW0330 [Water] Sampled 11/07/2011 14:52 Mountain					
SW8015B DRO	11/29/2011 14:00	15	11/14/2011 15:52		
SM4500NH3BG	11/29/2011 14:00	15	12/05/2011 15:52		
E353.2	11/29/2011 14:00	15	12/05/2011 15:52		
SM4500S2CF	11/29/2011 14:00	15	11/14/2011 15:52		
SW8270C	11/29/2011 14:00	15	11/14/2011 15:52		requires 3-Methlphenol/4-Methylphenol
SM2320B	11/29/2011 14:00	15	11/21/2011 15:52		carb/bicarb
SW8260B	11/29/2011 14:00	15	11/21/2011 15:52		9 Y qualifiers - DNR
SW8011	11/29/2011 14:00	15	11/21/2011 15:52		
SW6010B	11/29/2011 14:00	15	05/05/2012 15:52		Ca, Pb, K, Na, Mg
E300.0	11/29/2011 14:00	15	12/05/2011 15:52		Cl, SO4
SW8015B GRO	11/29/2011 14:00	15	11/21/2011 15:52		
1111093-06 GW0330 [Water] Sampled 11/07/2011 14:52 Mountain					
SW6010B	11/29/2011 14:00	15	05/05/2012 15:52		Fe & Mn
1111093-07 GW8034-AB [Water] Sampled 11/08/2011 10:35 Mountain					
SW8260B	11/29/2011 14:00	15	11/22/2011 11:35		9 Y qualifiers - DNR
1111093-08 GW8140-TB [Water] Sampled 11/08/2011 08:00 Mountain					
SW8260B	11/29/2011 14:00	15	11/22/2011 09:00		9 Y qualifiers - DNR

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

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

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

Date Due: 12/05/2011 16:00 (15 day TAT)
Received By: Benjamin C. Wright
Logged In By: Benjamin C. Wright

Date Received: 11/10/2011 08:20
Date Logged In 11/10/2011 11:01

Samples Received at: **2.6°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111104-01 GW0269 [Water] Sampled 11/08/2011 14:26 Mountain					
SW8015B GRO	11/30/2011 14:00	15	11/22/2011 15:26		
SW6010B	11/30/2011 14:00	15	05/06/2012 15:26		Ca, Pb, K, Na, Mg
SW8011	11/30/2011 14:00	15	11/22/2011 15:26		
SW8260B	11/30/2011 14:00	15	11/22/2011 15:26		
SW8270C	11/30/2011 14:00	15	11/15/2011 15:26		requires 3-Methlphenol/4-Methylphenol
SM4500S2CF	11/30/2011 14:00	15	11/15/2011 15:26		
E300.0	11/30/2011 14:00	15	12/06/2011 15:26		Cl, SO4
E353.2	11/30/2011 14:00	15	12/06/2011 15:26		
SW8015B DRO	11/30/2011 14:00	15	11/15/2011 15:26		
SM2320B	11/30/2011 14:00	15	11/22/2011 15:26		carb/bicarb
SM4500NH3BG	11/30/2011 14:00	15	12/06/2011 15:26		
1111104-02 GW0269 [Water] Sampled 11/08/2011 14:26 Mountain					**feild filtered.**
SW6010B	11/30/2011 14:00	15	05/06/2012 15:26		Fe & Mn

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111104-03 GW0318 [Water] Sampled 11/09/2011 11:16 Mountain					
SM4500S2CF	11/30/2011 14:00	15	11/16/2011 12:16		
E353.2	11/30/2011 14:00	15	12/07/2011 12:16		
SW8270C	11/30/2011 14:00	15	11/16/2011 12:16		requires 3-Methlphenol/4-Methylphenol
E300.0	11/30/2011 14:00	15	12/07/2011 12:16		Cl, SO4
SM2320B	11/30/2011 14:00	15	11/23/2011 12:16		carb/bicarb
SW8260B	11/30/2011 14:00	15	11/23/2011 12:16		
SW8015B GRO	11/30/2011 14:00	15	11/23/2011 12:16		
SW8011	11/30/2011 14:00	15	11/23/2011 12:16		
SW8015B DRO	11/30/2011 14:00	15	11/16/2011 12:16		
SW6010B	11/30/2011 14:00	15	05/07/2012 12:16		Ca, Pb, K, Na, Mg
SM4500NH3BG	11/30/2011 14:00	15	12/07/2011 12:16		
1111104-04 GW0318 [Water] Sampled 11/09/2011 11:16 Mountain					**feild filtered.**
SW6010B	11/30/2011 14:00	15	05/07/2012 12:16		Fe & Mn

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111104-05 GW0319 [Water] Sampled 11/09/2011 13:53 Mountain					
SW8011	11/30/2011 14:00	15	11/23/2011 14:53		
SW8270C	11/30/2011 14:00	15	11/16/2011 14:53		requires 3-Methlphenol/4-Methylphenol
SM4500S2CF	11/30/2011 14:00	15	11/16/2011 14:53		
E353.2	11/30/2011 14:00	15	12/07/2011 14:53		
E300.0	11/30/2011 14:00	15	12/07/2011 14:53		Cl, SO4
SM4500NH3BG	11/30/2011 14:00	15	12/07/2011 14:53		
SM2320B	11/30/2011 14:00	15	11/23/2011 14:53		carb/bicarb
SW8015B GRO	11/30/2011 14:00	15	11/23/2011 14:53		
SW8015B DRO	11/30/2011 14:00	15	11/16/2011 14:53		
SW6010B	11/30/2011 14:00	15	05/07/2012 14:53		Ca, Pb, K, Na, Mg
SW8260B	11/30/2011 14:00	15	11/23/2011 14:53		
1111104-06 GW0319 [Water] Sampled 11/09/2011 13:53 Mountain					**feild filtered.**
SW6010B	11/30/2011 14:00	15	05/07/2012 14:53		Fe & Mn

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111104-07 GW0328 [Water] Sampled 11/08/2011 14:31 Mountain					
SW8260B	11/30/2011 14:00	15	11/22/2011 15:31		
SW6010B	11/30/2011 14:00	15	05/06/2012 15:31		Ca, Pb, K, Na, Mg
SW8015B GRO	11/30/2011 14:00	15	11/22/2011 15:31		
SM4500S2CF	11/30/2011 14:00	15	11/15/2011 15:31		
SM2320B	11/30/2011 14:00	15	11/22/2011 15:31		carb/bicarb
SW8270C	11/30/2011 14:00	15	11/15/2011 15:31		requires 3-Methlphenol/4-Methylphenol
E353.2	11/30/2011 14:00	15	12/06/2011 15:31		
E300.0	11/30/2011 14:00	15	12/06/2011 15:31		Cl, SO4
SW8011	11/30/2011 14:00	15	11/22/2011 15:31		
SW8015B DRO	11/30/2011 14:00	15	11/15/2011 15:31		
SM4500NH3BG	11/30/2011 14:00	15	12/06/2011 15:31		
1111104-08 GW0328 [Water] Sampled 11/08/2011 14:31 Mountain					**feild filtered.**
SW6010B	11/30/2011 14:00	15	05/06/2012 15:31		Fe & Mn

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111104-09 GW0329 [Water] Sampled 11/08/2011 14:31 Mountain					
SM4500S2CF	11/30/2011 14:00	15	11/15/2011 15:31		
SW8015B GRO	11/30/2011 14:00	15	11/22/2011 15:31		
SW8260B	11/30/2011 14:00	15	11/22/2011 15:31		
SW8011	11/30/2011 14:00	15	11/22/2011 15:31		
SW8270C	11/30/2011 14:00	15	11/15/2011 15:31		requires 3-Methlphenol/4-Methylphenol
E353.2	11/30/2011 14:00	15	12/06/2011 15:31		
E300.0	11/30/2011 14:00	15	12/06/2011 15:31		Cl, SO4
SW8015B DRO	11/30/2011 14:00	15	11/15/2011 15:31		
SW6010B	11/30/2011 14:00	15	05/06/2012 15:31		Ca, Pb, K, Na, Mg
SM4500NH3BG	11/30/2011 14:00	15	12/06/2011 15:31		
SM2320B	11/30/2011 14:00	15	11/22/2011 15:31		carb/bicarb
1111104-10 GW0329 [Water] Sampled 11/08/2011 14:31 Mountain					**feild filtered.**
SW6010B	11/30/2011 14:00	15	05/06/2012 15:31		Fe & Mn

WORK ORDER

1111104

Printed: 12/19/2011 10:32:30AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111104-11 GW0362 [Water] Sampled 11/09/2011 11:00 Mountain					
E353.2	11/30/2011 14:00	15	12/07/2011 12:00		
SW6010B	11/30/2011 14:00	15	05/07/2012 12:00		Ca, Pb, K, Na, Mg
SW8011	11/30/2011 14:00	15	11/23/2011 12:00		
SM4500S2CF	11/30/2011 14:00	15	11/16/2011 12:00		
SW8270C	11/30/2011 14:00	15	11/16/2011 12:00		requires 3-Methlphenol/4-Methylphenol
SW8015B DRO	11/30/2011 14:00	15	11/16/2011 12:00		
E300.0	11/30/2011 14:00	15	12/07/2011 12:00		Cl, SO4
SM4500NH3BG	11/30/2011 14:00	15	12/07/2011 12:00		
SM2320B	11/30/2011 14:00	15	11/23/2011 12:00		carb/bicarb
SW8260B	11/30/2011 14:00	15	11/23/2011 12:00		
SW8015B GRO	11/30/2011 14:00	15	11/23/2011 12:00		
1111104-12 GW0362 [Water] Sampled 11/09/2011 11:00 Mountain					**feild filtered.**
SW6010B	11/30/2011 14:00	15	05/07/2012 12:00		Fe & Mn
1111104-13 GW8141-TB [Water] Sampled 11/09/2011 08:00 Mountain					
SW8260B	11/30/2011 14:00	15	11/23/2011 09:00		

WORK ORDER

1111109

Printed: 12/19/2011 10:31:06AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

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

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

Date Due: 12/06/2011 16:00 (15 day TAT)
Received By: Reginald Talley
Logged In By: Reginald Talley

Date Received: 11/11/2011 08:35
Date Logged In 11/11/2011 10:16

Samples Received at: **0.5°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1111109

Printed: 12/19/2011 10:31:06AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111109-01 GW0258 [Water] Sampled 11/10/2011 10:13 Mountain					
SW8270C	12/01/2011 14:00	15	11/17/2011 11:13		requires 3-Methlphenol/4-Methylphenol
SW8015B DRO	12/01/2011 14:00	15	11/17/2011 11:13		
SW8011	12/01/2011 14:00	15	11/24/2011 11:13		
SW8015B GRO	12/01/2011 14:00	15	11/24/2011 11:13		
SW8260B	12/01/2011 14:00	15	11/24/2011 11:13		
SM2320B	12/01/2011 14:00	15	11/24/2011 11:13		carb/bicarb
SM4500NH3BG	12/01/2011 14:00	15	12/08/2011 11:13		
E300.0	12/01/2011 14:00	15	12/08/2011 11:13		Cl, SO4
SW6010B	12/01/2011 14:00	15	05/08/2012 11:13		Ca, Pb, K, Na, Mg
SM4500S2CF	12/01/2011 14:00	15	11/17/2011 11:13		
E353.2	12/01/2011 14:00	15	12/08/2011 11:13		
1111109-02 GW0258 [Water] Sampled 11/10/2011 10:13 Mountain					**FIELD FILTERED**
SW6010B	12/01/2011 14:00	15	05/08/2012 11:13		Fe & Mn

WORK ORDER

1111109

Printed: 12/19/2011 10:31:06AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111109-03 GW0333 [Water] Sampled 11/10/2011 13:08 Mountain					
SW8015B DRO	12/01/2011 14:00	15	11/17/2011 14:08		
SW8011	12/01/2011 14:00	15	11/24/2011 14:08		
SW8015B GRO	12/01/2011 14:00	15	11/24/2011 14:08		
SW8260B	12/01/2011 14:00	15	11/24/2011 14:08		
SM2320B	12/01/2011 14:00	15	11/24/2011 14:08		carb/bicarb
SM4500NH3BG	12/01/2011 14:00	15	12/08/2011 14:08		
SW6010B	12/01/2011 14:00	15	05/08/2012 14:08		Ca, Pb, K, Na, Mg
E353.2	12/01/2011 14:00	15	12/08/2011 14:08		
SM4500S2CF	12/01/2011 14:00	15	11/17/2011 14:08		
SW8270C	12/01/2011 14:00	15	11/17/2011 14:08		requires 3-Methlphenol/4-Methylphenol
E300.0	12/01/2011 14:00	15	12/08/2011 14:08		Cl, SO4
1111109-04 GW0333 [Water] Sampled 11/10/2011 13:08 Mountain					**FIELD FILTERED**
SW6010B	12/01/2011 14:00	15	05/08/2012 14:08		Fe & Mn

WORK ORDER

1111109

Printed: 12/19/2011 10:31:06AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111109-05 GW0361 [Water] Sampled 11/10/2011 10:20 Mountain					
SM4500NH3BG	12/01/2011 14:00	15	12/08/2011 11:20		
SW6010B	12/01/2011 14:00	15	05/08/2012 11:20		Ca, Pb, K, Na, Mg
E300.0	12/01/2011 14:00	15	12/08/2011 11:20		Cl, SO4
SM4500S2CF	12/01/2011 14:00	15	11/17/2011 11:20		
SW8011	12/01/2011 14:00	15	11/24/2011 11:20		
SW8015B GRO	12/01/2011 14:00	15	11/24/2011 11:20		
SW8260B	12/01/2011 14:00	15	11/24/2011 11:20		
SM2320B	12/01/2011 14:00	15	11/24/2011 11:20		carb/bicarb
SW8270C	12/01/2011 14:00	15	11/17/2011 11:20		requires 3-Methlphenol/4-Methylphenol
E353.2	12/01/2011 14:00	15	12/08/2011 11:20		
SW8015B DRO	12/01/2011 14:00	15	11/17/2011 11:20		
1111109-06 GW0361 [Water] Sampled 11/10/2011 10:20 Mountain					**FIELD FILTERED**
SW6010B	12/01/2011 14:00	15	05/08/2012 11:20		Fe & Mn

WORK ORDER

1111109

Printed: 12/19/2011 10:31:06AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111109-07 GW0363 [Water] Sampled 11/09/2011 14:22 Mountain					
SW8011	12/01/2011 14:00	15	11/23/2011 15:22		
SW8270C	12/01/2011 14:00	15	11/16/2011 15:22		requires 3-Methlphenol/4-Methylphenol
SM4500S2CF	12/01/2011 14:00	15	11/16/2011 15:22		
E353.2	12/01/2011 14:00	15	12/07/2011 15:22		
E300.0	12/01/2011 14:00	15	12/07/2011 15:22		Cl, SO4
SM4500NH3BG	12/01/2011 14:00	15	12/07/2011 15:22		
SW8260B	12/01/2011 14:00	15	11/23/2011 15:22		
SW6010B	12/01/2011 14:00	15	05/07/2012 15:22		Ca, Pb, K, Na, Mg
SW8015B DRO	12/01/2011 14:00	15	11/16/2011 15:22		
SW8015B GRO	12/01/2011 14:00	15	11/23/2011 15:22		
SM2320B	12/01/2011 14:00	15	11/23/2011 15:22		carb/bicarb
1111109-08 GW0363 [Water] Sampled 11/09/2011 14:22 Mountain					**FIELD FILTERED**
SW6010B	12/01/2011 14:00	15	05/07/2012 15:22		Fe & Mn

WORK ORDER

1111109

Printed: 12/19/2011 10:31:06AM

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1111109-09 GW0364 [Water] Sampled 11/09/2011 14:22 Mountain					
SW6010B	12/01/2011 14:00	15	05/07/2012 15:22		Ca, Pb, K, Na, Mg
E300.0	12/01/2011 14:00	15	12/07/2011 15:22		Cl, SO4
SW8015B DRO	12/01/2011 14:00	15	11/16/2011 15:22		
SW8011	12/01/2011 14:00	15	11/23/2011 15:22		
SW8015B GRO	12/01/2011 14:00	15	11/23/2011 15:22		
SW8260B	12/01/2011 14:00	15	11/23/2011 15:22		
SM4500NH3BG	12/01/2011 14:00	15	12/07/2011 15:22		
E353.2	12/01/2011 14:00	15	12/07/2011 15:22		
SM4500S2CF	12/01/2011 14:00	15	11/16/2011 15:22		
SW8270C	12/01/2011 14:00	15	11/16/2011 15:22		requires 3-Methlphenol/4-Methylphenol
SM2320B	12/01/2011 14:00	15	11/23/2011 15:22		carb/bicarb
1111109-10 GW0364 [Water] Sampled 11/09/2011 14:22 Mountain					**FIELD FILTERED**
SW6010B	12/01/2011 14:00	15	05/07/2012 15:22		Fe & Mn
1111109-11 GW8142-TB [Water] Sampled 11/10/2011 08:00 Mountain					
SW8260B	12/01/2011 14:00	15	11/24/2011 09:00		

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_035
MATRIX: Water

QC LEVEL: Level IV
Report Due: 12/6/2011
Client Sample Count: 35

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	11/7/2011	11/8/2011	1111091-01	GW0291	X	X	X	X	X	X
Client Sample	11/7/2011	11/8/2011	1111091-02	GW0291						X
Client Sample	11/7/2011	11/8/2011	1111091-03	GW0301	X	X	X	X	X	X
Client Sample	11/7/2011	11/8/2011	1111091-04	GW0301						X
Client Sample	11/7/2011	11/8/2011	1111091-05	GW0302	X	X	X	X	X	X
Client Sample	11/7/2011	11/8/2011	1111091-06	GW0302						X
Trip Blank	11/7/2011	11/8/2011	1111091-07	GW8139-TB						
Client Sample	11/8/2011	11/9/2011	1111093-01	GW0303	X	X	X	X	X	X
Client Sample	11/8/2011	11/9/2011	1111093-02	GW0303						X
Client Sample	11/8/2011	11/9/2011	1111093-03	GW0327	X	X	X	X	X	X
Client Sample	11/8/2011	11/9/2011	1111093-04	GW0327						X
Client Sample	11/7/2011	11/9/2011	1111093-05	GW0330	X	X	X	X	X	X
Client Sample	11/7/2011	11/9/2011	1111093-06	GW0330						X
Client Sample	11/8/2011	11/9/2011	1111093-07	GW8034-AB						
Trip Blank	11/8/2011	11/9/2011	1111093-08	GW8140-TB						
Client Sample	11/8/2011	11/10/2011	1111104-01	GW0269	X	X	X	X	X	X
Client Sample	11/8/2011	11/10/2011	1111104-02	GW0269						X
Client Sample	11/9/2011	11/10/2011	1111104-03	GW0318	X	X	X	X	X	X
Client Sample	11/9/2011	11/10/2011	1111104-04	GW0318						X
Client Sample	11/9/2011	11/10/2011	1111104-05	GW0319	X	X	X	X	X	X
Client Sample	11/9/2011	11/10/2011	1111104-06	GW0319						X
Client Sample	11/8/2011	11/10/2011	1111104-07	GW0328	X	X	X	X	X	X
Client Sample	11/8/2011	11/10/2011	1111104-08	GW0328						X
Client Sample	11/8/2011	11/10/2011	1111104-09	GW0329	X	X	X	X	X	X
Client Sample	11/8/2011	11/10/2011	1111104-10	GW0329						X
Client Sample	11/9/2011	11/10/2011	1111104-11	GW0362	X	X	X	X	X	X
Client Sample	11/9/2011	11/10/2011	1111104-12	GW0362						X
Trip Blank	11/9/2011	11/10/2011	1111104-13	GW8141-TB						
Client Sample	11/10/2011	11/11/2011	1111109-01	GW0258	X	X	X	X	X	X
Client Sample	11/10/2011	11/11/2011	1111109-02	GW0258						X
Client Sample	11/10/2011	11/11/2011	1111109-03	GW0333	X	X	X	X	X	X
Client Sample	11/10/2011	11/11/2011	1111109-04	GW0333						X
Client Sample	11/10/2011	11/11/2011	1111109-05	GW0361	X	X	X	X	X	X
Client Sample	11/10/2011	11/11/2011	1111109-06	GW0361						X
Client Sample	11/9/2011	11/11/2011	1111109-07	GW0363	X	X	X	X	X	X
Client Sample	11/9/2011	11/11/2011	1111109-08	GW0363						X
Client Sample	11/9/2011	11/11/2011	1111109-09	GW0364	X	X	X	X	X	X
Client Sample	11/9/2011	11/11/2011	1111109-10	GW0364						X
Trip Blank	11/10/2011	11/11/2011	1111109-11	GW8142-TB						

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	11/7/2011	11/8/2011	1111091-01	GW0291	X	X	X	X	X
Client Sample	11/7/2011	11/8/2011	1111091-02	GW0291					
Client Sample	11/7/2011	11/8/2011	1111091-03	GW0301	X	X	X	X	X
Client Sample	11/7/2011	11/8/2011	1111091-04	GW0301					
Client Sample	11/7/2011	11/8/2011	1111091-05	GW0302	X	X	X	X	X
Client Sample	11/7/2011	11/8/2011	1111091-06	GW0302					
Trip Blank	11/7/2011	11/8/2011	1111091-07	GW8139-TB				X	
Client Sample	11/8/2011	11/9/2011	1111093-01	GW0303	X	X	X	X	X
Client Sample	11/8/2011	11/9/2011	1111093-02	GW0303					
Client Sample	11/8/2011	11/9/2011	1111093-03	GW0327	X	X	X	X	X
Client Sample	11/8/2011	11/9/2011	1111093-04	GW0327					
Client Sample	11/7/2011	11/9/2011	1111093-05	GW0330	X	X	X	X	X
Client Sample	11/7/2011	11/9/2011	1111093-06	GW0330					
Client Sample	11/8/2011	11/9/2011	1111093-07	GW8034-AB				X	
Trip Blank	11/8/2011	11/9/2011	1111093-08	GW8140-TB				X	
Client Sample	11/8/2011	11/10/2011	1111104-01	GW0269	X	X	X	X	X
Client Sample	11/8/2011	11/10/2011	1111104-02	GW0269					
Client Sample	11/9/2011	11/10/2011	1111104-03	GW0318	X	X	X	X	X
Client Sample	11/9/2011	11/10/2011	1111104-04	GW0318					
Client Sample	11/9/2011	11/10/2011	1111104-05	GW0319	X	X	X	X	X
Client Sample	11/9/2011	11/10/2011	1111104-06	GW0319					
Client Sample	11/8/2011	11/10/2011	1111104-07	GW0328	X	X	X	X	X
Client Sample	11/8/2011	11/10/2011	1111104-08	GW0328					
Client Sample	11/8/2011	11/10/2011	1111104-09	GW0329	X	X	X	X	X
Client Sample	11/8/2011	11/10/2011	1111104-10	GW0329					
Client Sample	11/9/2011	11/10/2011	1111104-11	GW0362	X	X	X	X	X
Client Sample	11/9/2011	11/10/2011	1111104-12	GW0362					
Trip Blank	11/9/2011	11/10/2011	1111104-13	GW8141-TB				X	
Client Sample	11/10/2011	11/11/2011	1111109-01	GW0258	X	X	X	X	X
Client Sample	11/10/2011	11/11/2011	1111109-02	GW0258					
Client Sample	11/10/2011	11/11/2011	1111109-03	GW0333	X	X	X	X	X
Client Sample	11/10/2011	11/11/2011	1111109-04	GW0333					
Client Sample	11/10/2011	11/11/2011	1111109-05	GW0361	X	X	X	X	X
Client Sample	11/10/2011	11/11/2011	1111109-06	GW0361					
Client Sample	11/9/2011	11/11/2011	1111109-07	GW0363	X	X	X	X	X
Client Sample	11/9/2011	11/11/2011	1111109-08	GW0363					
Client Sample	11/9/2011	11/11/2011	1111109-09	GW0364	X	X	X	X	X
Client Sample	11/9/2011	11/11/2011	1111109-10	GW0364					
Trip Blank	11/10/2011	11/11/2011	1111109-11	GW8142-TB				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01RE1	File ID:	1109101R.D
Sampled:	11/07/11 10:10	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 17:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01RE1	File ID:	1109101R.D
Sampled:	11/07/11 10:10	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 17:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.68	98.9	75 - 120	
Dibromofluoromethane	30.00	33.38	111	85 - 115	
1,2-Dichloroethane-d4	30.00	32.45	108	70 - 120	
Toluene-d8	30.00	29.38	97.9	85 - 120	

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03RE1	File ID:	1109103R.D
Sampled:	11/07/11 10:42	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 18:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03RE1	File ID:	1109103R.D
Sampled:	11/07/11 10:42	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 18:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	28.34	94.5	75 - 120	
Dibromofluoromethane	30.00	32.07	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.56	105	70 - 120	
Toluene-d8	30.00	29.90	99.7	85 - 120	

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05RE1	File ID:	1109105R.D
Sampled:	11/07/11 13:13	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 18:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05RE1	File ID:	1109105R.D
Sampled:	11/07/11 13:13	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 18:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.26	97.5	75 - 120	
Dibromofluoromethane	30.00	32.56	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.95	110	70 - 120	
Toluene-d8	30.00	29.59	98.6	85 - 120	

ANALYSIS DATA SHEET

GW8139-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-07RE1	File ID:	1109107R.D
Sampled:	11/07/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 12:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.265	0.250	0.500	1.00	J, B

ANALYSIS DATA SHEET

GW8139-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-07RE1	File ID:	1109107R.D
Sampled:	11/07/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 12:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.43	98.1	75 - 120	
Dibromofluoromethane	30.00	32.14	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.98	103	70 - 120	
Toluene-d8	30.00	29.94	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01RE1	File ID:	1109301R.D
Sampled:	11/08/11 10:35	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 19:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01RE1	File ID:	1109301R.D
Sampled:	11/08/11 10:35	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 19:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.23	97.4	75 - 120	
Dibromofluoromethane	30.00	32.99	110	85 - 115	
1,2-Dichloroethane-d4	30.00	31.65	106	70 - 120	
Toluene-d8	30.00	29.53	98.4	85 - 120	

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03RE1	File ID:	1109303R.D
Sampled:	11/08/11 10:31	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 19:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	10.4	2.50	5.00	10.0	
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.78	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03RE1	File ID:	1109303R.D
Sampled:	11/08/11 10:31	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 19:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	28.91	96.4	75 - 120	
Dibromofluoromethane	30.00	33.92	113	85 - 115	
1,2-Dichloroethane-d4	30.00	34.22	114	70 - 120	
Toluene-d8	30.00	28.50	95.0	85 - 120	

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05RE1	File ID:	1109305R.D
Sampled:	11/07/11 14:52	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 19:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5.90	2.50	5.00	10.0	J
71-43-2	Benzene	1.58	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.286	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene	1.38	0.250	0.500	1.00	
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)	1.36	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		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	2.06	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05RE1	File ID:	1109305R.D
Sampled:	11/07/11 14:52	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 19:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	2.54	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.449	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.494	0.250	0.500	1.00	J
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	1.58	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.36	97.9	75 - 120	
Dibromofluoromethane	30.00	33.37	111	85 - 115	
1,2-Dichloroethane-d4	30.00	33.42	111	70 - 120	
Toluene-d8	30.00	28.07	93.6	85 - 120	

ANALYSIS DATA SHEET

GW8034-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-07RE1	File ID:	1109307R.D
Sampled:	11/08/11 10:35	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 13:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW8034-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-07RE1	File ID:	1109307R.D
Sampled:	11/08/11 10:35	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 13:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.43	101	75 - 120	
Dibromofluoromethane	30.00	31.18	104	85 - 115	
1,2-Dichloroethane-d4	30.00	33.26	111	70 - 120	
Toluene-d8	30.00	30.75	103	85 - 120	

ANALYSIS DATA SHEET

GW8140-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-08RE1	File ID:	1109308R.D
Sampled:	11/08/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 13:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW8140-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-08RE1	File ID:	1109308R.D
Sampled:	11/08/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 13:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.24	97.5	75 - 120	
Dibromofluoromethane	30.00	30.31	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.54	102	70 - 120	
Toluene-d8	30.00	28.96	96.5	85 - 120	

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	1110401.D
Sampled:	11/08/11 14:26	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 01:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	1110401.D
Sampled:	11/08/11 14:26	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 01:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.44	94.8	75 - 120	
Dibromofluoromethane	30.00	32.72	109	85 - 115	
1,2-Dichloroethane-d4	30.00	33.08	110	70 - 120	
Toluene-d8	30.00	28.52	95.1	85 - 120	

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	1110403.D
Sampled:	11/09/11 11:16	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 01:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	1110403.D
Sampled:	11/09/11 11:16	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 01:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	28.43	94.8	75 - 120	
Dibromofluoromethane	30.00	33.08	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.72	109	70 - 120	
Toluene-d8	30.00	27.31	91.0	85 - 120	

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	1110405.D
Sampled:	11/09/11 13:53	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 02:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane	0.452	0.250	0.500	1.00	J
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	0.945	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane	0.523	0.250	0.500	1.00	J
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	1110405.D
Sampled:	11/09/11 13:53	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 02:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.390	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.650	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.67	95.6	75 - 120	
Dibromofluoromethane	30.00	33.27	111	85 - 115	
1,2-Dichloroethane-d4	30.00	33.27	111	70 - 120	
Toluene-d8	30.00	28.75	95.8	85 - 120	

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	1110407.D
Sampled:	11/08/11 14:31	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 02:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	1110407.D
Sampled:	11/08/11 14:31	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 02:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	28.47	94.9	75 - 120	
Dibromofluoromethane	30.00	34.09	114	85 - 115	
1,2-Dichloroethane-d4	30.00	32.36	108	70 - 120	
Toluene-d8	30.00	28.96	96.5	85 - 120	

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	1110409.D
Sampled:	11/08/11 14:31	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 03:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	1110409.D
Sampled:	11/08/11 14:31	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 03:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.34	97.8	75 - 120	
Dibromofluoromethane	30.00	34.89	116	85 - 115	*
1,2-Dichloroethane-d4	30.00	33.56	112	70 - 120	
Toluene-d8	30.00	28.74	95.8	85 - 120	

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	1110411.D
Sampled:	11/09/11 11:00	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 03:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	1110411.D
Sampled:	11/09/11 11:00	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 03:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.502	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.19	94.0	75 - 120	
Dibromofluoromethane	30.00	34.24	114	85 - 115	
1,2-Dichloroethane-d4	30.00	33.16	111	70 - 120	
Toluene-d8	30.00	27.94	93.1	85 - 120	

ANALYSIS DATA SHEET

GW8141-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-13	File ID:	1110413.D
Sampled:	11/09/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 23:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.262	0.250	0.500	1.00	J, B

ANALYSIS DATA SHEET

GW8141-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-13	File ID:	1110413.D
Sampled:	11/09/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/16/11 23:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	28.87	96.2	75 - 120	
Dibromofluoromethane	30.00	31.90	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.70	106	70 - 120	
Toluene-d8	30.00	28.61	95.4	85 - 120	

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	1110901.D
Sampled:	11/10/11 10:13	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 05:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane	0.347	0.250	0.500	1.00	J
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	1110901.D
Sampled:	11/10/11 10:13	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 05:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.22	97.4	75 - 120	
Dibromofluoromethane	30.00	34.05	113	85 - 115	
1,2-Dichloroethane-d4	30.00	33.39	111	70 - 120	
Toluene-d8	30.00	29.32	97.7	85 - 120	

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	1110903.D
Sampled:	11/10/11 13:08	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 05:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	7.05	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	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)	0.262	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.555	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	0.277	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	1110903.D
Sampled:	11/10/11 13:08	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 05:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	2.26	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	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.701	0.250	0.500	1.00	J
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.39	101	75 - 120	
Dibromofluoromethane	30.00	33.89	113	85 - 115	
1,2-Dichloroethane-d4	30.00	32.48	108	70 - 120	
Toluene-d8	30.00	27.98	93.3	85 - 120	

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	1110905.D
Sampled:	11/10/11 10:20	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 06:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	1110905.D
Sampled:	11/10/11 10:20	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 06:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.29	97.6	75 - 120	
Dibromofluoromethane	30.00	34.37	115	85 - 115	
1,2-Dichloroethane-d4	30.00	30.71	102	70 - 120	
Toluene-d8	30.00	29.06	96.9	85 - 120	

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	1110907.D
Sampled:	11/09/11 14:22	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 06:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	1110907.D
Sampled:	11/09/11 14:22	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 06:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.453	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.48	98.3	75 - 120	
Dibromofluoromethane	30.00	34.25	114	85 - 115	
1,2-Dichloroethane-d4	30.00	33.05	110	70 - 120	
Toluene-d8	30.00	28.88	96.3	85 - 120	

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	1110909.D
Sampled:	11/09/11 14:22	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 07:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane	0.677	0.250	0.500	1.00	J
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	1110909.D
Sampled:	11/09/11 14:22	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 07:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.439	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.77	92.6	75 - 120	
Dibromofluoromethane	30.00	34.85	116	85 - 115	*
1,2-Dichloroethane-d4	30.00	31.00	103	70 - 120	
Toluene-d8	30.00	28.26	94.2	85 - 120	

ANALYSIS DATA SHEET

GW8142-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-11	File ID:	1110911.D
Sampled:	11/10/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 00:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW8142-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-11	File ID:	1110911.D
Sampled:	11/10/11 08:00	Prepared:	11/16/11 00:00	Analyzed:	11/17/11 00:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.49	98.3	75 - 120	
Dibromofluoromethane	30.00	32.71	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.07	104	70 - 120	
Toluene-d8	30.00	29.22	97.4	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32108	Instrument:	MS-VOA3
		Calibration:	1320003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K32108-CCV1) ug/L				Lab File ID: 1116CCV1.D		Analyzed: 11/16/11 10:08		
Bromofluorobenzene	30.00	101	80 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	80 - 120	6.884	6.884	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	80 - 120	7.389	7.389	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	80 - 120	9.628	9.628	0.0000	+/-1.000	
LCS (1K16026-BS1) ug/L				Lab File ID: 1116LCS1.D		Analyzed: 11/16/11 10:36		
Bromofluorobenzene	30.00	100	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.5	85 - 115	6.884	6.884	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.628	9.628	0.0000	+/-1.000	
Blank (1K16026-BLK1) ug/L				Lab File ID: 1116BLK1.D		Analyzed: 11/16/11 11:56		
Bromofluorobenzene	30.00	99.2	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.878	6.884	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	97.7	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW8139-TB (1111091-07RE1) ug/L				Lab File ID: 1109107R.D		Analyzed: 11/16/11 12:50		
Bromofluorobenzene	30.00	98.1	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.884	6.884	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW8034-AB (1111093-07RE1) ug/L				Lab File ID: 1109307R.D		Analyzed: 11/16/11 13:17		
Bromofluorobenzene	30.00	101	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.878	6.884	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW8140-TB (1111093-08RE1) ug/L				Lab File ID: 1109308R.D		Analyzed: 11/16/11 13:44		
Bromofluorobenzene	30.00	97.5	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.885	6.884	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	96.5	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW0291 (1111091-01RE1) ug/L				Lab File ID: 1109101R.D		Analyzed: 11/16/11 17:45		
Bromofluorobenzene	30.00	98.9	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.878	6.884	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.628	9.628	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32108	Instrument:	MS-VOA3
		Calibration:	1320003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0301 (1111091-03RE1) ug/L				Lab File ID: 1109103R.D		Analyzed: 11/16/11 18:11		
Bromofluorobenzene	30.00	94.5	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.878	6.884	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	99.7	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW0302 (1111091-05RE1) ug/L				Lab File ID: 1109105R.D		Analyzed: 11/16/11 18:38		
Bromofluorobenzene	30.00	97.5	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.878	6.884	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	98.6	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0303 (1111093-01RE1) ug/L				Lab File ID: 1109301R.D		Analyzed: 11/16/11 19:05		
Bromofluorobenzene	30.00	97.4	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.879	6.884	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.383	7.389	-0.0060	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW0327 (1111093-03RE1) ug/L				Lab File ID: 1109303R.D		Analyzed: 11/16/11 19:31		
Bromofluorobenzene	30.00	96.4	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	113	85 - 115	6.879	6.884	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	114	70 - 120	7.384	7.389	-0.0050	+/-1.000	
Toluene-d8	30.00	95.0	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW0330 (1111093-05RE1) ug/L				Lab File ID: 1109305R.D		Analyzed: 11/16/11 19:58		
Bromofluorobenzene	30.00	97.9	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.884	6.884	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.389	7.389	0.0000	+/-1.000	
Toluene-d8	30.00	93.6	85 - 120	9.628	9.628	0.0000	+/-1.000	
LCS Dup (1K16026-BSD1) ug/L				Lab File ID: 1116LCD1.D		Analyzed: 11/16/11 20:25		
Bromofluorobenzene	30.00	105	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.879	6.884	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.384	7.389	-0.0050	+/-1.000	
Toluene-d8	30.00	95.9	85 - 120	9.628	9.628	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32110	Instrument:	MS-VOA3
		Calibration:	1320003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K32110-CCV1) ug/L				Lab File ID: 1116CCVE.D		Analyzed: 11/16/11 21:18		
Bromofluorobenzene	30.00	103	80 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	80 - 120	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	94.8	80 - 120	9.628	9.628	0.0000	+/-1.000	
LCS (1K16023-BS1) ug/L				Lab File ID: 1116LCSE.D		Analyzed: 11/16/11 21:45		
Bromofluorobenzene	30.00	104	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	98.9	85 - 115	6.879	6.878	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.628	9.628	0.0000	+/-1.000	
Blank (1K16023-BLK1) ug/L				Lab File ID: 1116BLKE.D		Analyzed: 11/16/11 23:05		
Bromofluorobenzene	30.00	99.1	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.9	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW8141-TB (1111104-13) ug/L				Lab File ID: 1110413.D		Analyzed: 11/16/11 23:58		
Bromofluorobenzene	30.00	96.2	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	95.4	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW8142-TB (1111109-11) ug/L				Lab File ID: 1110911.D		Analyzed: 11/17/11 00:25		
Bromofluorobenzene	30.00	98.3	75 - 120	12.269	12.268	0.0010	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.879	6.878	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	97.4	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0269 (1111104-01) ug/L				Lab File ID: 1110401.D		Analyzed: 11/17/11 01:18		
Bromofluorobenzene	30.00	94.8	75 - 120	12.263	12.268	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.879	6.878	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	95.1	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0318 (1111104-03) ug/L				Lab File ID: 1110403.D		Analyzed: 11/17/11 01:45		
Bromofluorobenzene	30.00	94.8	75 - 120	12.263	12.268	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.879	6.878	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.39	7.383	0.0070	+/-1.000	
Toluene-d8	30.00	91.0	85 - 120	9.628	9.628	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K32110
Instrument: MS-VOA3
Calibration: 1320003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0319 (1111104-05) ug/L				Lab File ID: 1110405.D		Analyzed: 11/17/11 02:11		
Bromofluorobenzene	30.00	95.6	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	95.8	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW0328 (1111104-07) ug/L				Lab File ID: 1110407.D		Analyzed: 11/17/11 02:38		
Bromofluorobenzene	30.00	94.9	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	114	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	96.5	85 - 120	9.628	9.628	0.0000	+/-1.000	
GW0329 (1111104-09) ug/L				Lab File ID: 1110409.D		Analyzed: 11/17/11 03:04		
Bromofluorobenzene	30.00	97.8	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	116	85 - 115	6.878	6.878	0.0000	+/-1.000	*
1,2-Dichloroethane-d4	30.00	112	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	95.8	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0362 (1111104-11) ug/L				Lab File ID: 1110411.D		Analyzed: 11/17/11 03:31		
Bromofluorobenzene	30.00	94.0	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	114	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	93.1	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0258 (1111109-01) ug/L				Lab File ID: 1110901.D		Analyzed: 11/17/11 05:17		
Bromofluorobenzene	30.00	97.4	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	113	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	97.7	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0333 (1111109-03) ug/L				Lab File ID: 1110903.D		Analyzed: 11/17/11 05:44		
Bromofluorobenzene	30.00	101	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	113	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	93.3	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0361 (1111109-05) ug/L				Lab File ID: 1110905.D		Analyzed: 11/17/11 06:10		
Bromofluorobenzene	30.00	97.6	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	115	85 - 115	6.885	6.878	0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	96.9	85 - 120	9.628	9.628	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32110	Instrument:	MS-VOA3
		Calibration:	1320003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0363 (1111109-07) ug/L				Lab File ID: 1110907.D		Analyzed: 11/17/11 06:37		
Bromofluorobenzene	30.00	98.3	75 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	114	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.622	9.628	-0.0060	+/-1.000	
GW0364 (1111109-09) ug/L				Lab File ID: 1110909.D		Analyzed: 11/17/11 07:04		
Bromofluorobenzene	30.00	92.6	75 - 120	12.263	12.268	-0.0050	+/-1.000	
Dibromofluoromethane	30.00	116	85 - 115	6.885	6.878	0.0070	+/-1.000	*
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	94.2	85 - 120	9.628	9.628	0.0000	+/-1.000	
LCS Dup (1K16023-BSD1) ug/L				Lab File ID: 1116LCDE.D		Analyzed: 11/17/11 09:27		
Bromofluorobenzene	30.00	106	75 - 120	12.262	12.268	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.878	6.878	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.4	70 - 120	7.383	7.383	0.0000	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.622	9.628	-0.0060	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16023	Laboratory ID:	1K16023-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	103	103	40 - 140
Benzene	50.00	50.3	101	80 - 120
Bromobenzene	50.00	46.4	92.8	75 - 125
Bromochloromethane	50.00	48.8	97.5	65 - 130
Bromodichloromethane	50.00	47.2	94.4	75 - 120
Bromoform	50.00	48.2	96.4	70 - 130
Bromomethane	50.00	56.1	112	30 - 145
n-Butylbenzene	50.00	46.9	93.7	70 - 135
2-Butanone	100.0	98.2	98.2	30 - 150
sec-Butylbenzene	50.00	47.8	95.6	70 - 125
tert-Butylbenzene	50.00	48.3	96.5	70 - 130
Carbon disulfide	50.00	41.0	82.0	35 - 160
Carbon tetrachloride	50.00	48.4	96.9	65 - 140
Chlorobenzene	50.00	49.5	98.9	80 - 120
Chloroethane	50.00	56.0	112	60 - 135
Chloroform	50.00	48.0	95.9	65 - 135
Chloromethane	50.00	50.6	101	40 - 125
2-Chlorotoluene	50.00	45.9	91.7	75 - 125
4-Chlorotoluene	50.00	47.3	94.6	75 - 130
Dibromochloromethane	50.00	52.1	104	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.0	88.0	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	80 - 120
Dibromomethane	50.00	49.6	99.2	75 - 125
1,2-Dichlorobenzene	50.00	46.6	93.1	70 - 120
1,3-Dichlorobenzene	50.00	47.5	95.0	75 - 125
1,4-Dichlorobenzene	50.00	45.5	91.0	75 - 125
Dichlorodifluoromethane	50.00	44.7	89.4	30 - 155
1,1-Dichloroethane	50.00	49.6	99.2	70 - 135
1,2-Dichloroethane	50.00	51.5	103	70 - 130
1,1-Dichloroethene	50.00	46.2	92.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16023	Laboratory ID:	1K16023-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	49.5	99.1	70 - 125
trans-1,2-Dichloroethene	50.00	46.1	92.1	60 - 140
1,2-Dichloropropane	50.00	50.5	101	75 - 125
1,3-Dichloropropane	50.00	51.8	104	75 - 125
2,2-Dichloropropane	50.00	43.5	87.0	70 - 135
1,1-Dichloropropene	50.00	47.9	95.7	75 - 130
cis-1,3-Dichloropropene	50.00	53.2	106	70 - 130
trans-1,3-Dichloropropene	50.00	48.6	97.2	55 - 140
Ethylbenzene	50.00	50.8	102	75 - 125
Hexachlorobutadiene	50.00	46.5	92.9	50 - 140
2-Hexanone	100.0	108	108	55 - 130
Isopropylbenzene	50.00	49.6	99.3	75 - 125
p-Isopropyltoluene	50.00	46.8	93.7	75 - 130
Methylene chloride	50.00	44.0	88.1	55 - 140
Naphthalene	50.00	44.2	88.3	55 - 140
4-Methyl-2-pentanone	100.0	109	109	60 - 135
Methyl t-Butyl Ether	50.00	50.0	100	65 - 125
n-Propylbenzene	50.00	44.9	89.9	70 - 130
Styrene	50.00	51.6	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	46.4	92.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.1	102	80 - 130
Tetrachloroethene	50.00	47.2	94.4	45 - 150
Toluene	50.00	48.5	97.0	75 - 120
1,2,3-Trichlorobenzene	50.00	50.1	100	55 - 140
1,2,4-Trichlorobenzene	50.00	47.2	94.3	65 - 135
1,1,2-Trichloroethane	50.00	50.7	101	75 - 125
1,1,1-Trichloroethane	50.00	47.6	95.3	65 - 130
Trichloroethene	50.00	48.5	97.0	70 - 125
Trichlorofluoromethane	50.00	47.7	95.5	60 - 145
1,2,3-Trichloropropane	50.00	51.9	104	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16023	Laboratory ID:	1K16023-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	51.0	102	75 - 130
1,2,4-Trimethylbenzene	50.00	49.1	98.3	75 - 130
Vinyl chloride	50.00	60.1	120	50 - 145
Xylenes (total)	150.0	157	104	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	105	105	1.63	30	40 - 140
Benzene	50.00	51.7	103	2.78	30	80 - 120
Bromobenzene	50.00	49.1	98.2	5.61	30	75 - 125
Bromochloromethane	50.00	49.8	99.6	2.08	30	65 - 130
Bromodichloromethane	50.00	51.4	103	8.55	30	75 - 120
Bromoform	50.00	46.4	92.7	3.87	30	70 - 130
Bromomethane	50.00	60.3	121	7.19	30	30 - 145
n-Butylbenzene	50.00	50.4	101	7.29	30	70 - 135
2-Butanone	100.0	104	104	6.13	30	30 - 150
sec-Butylbenzene	50.00	50.2	100	4.82	30	70 - 125
tert-Butylbenzene	50.00	51.3	103	6.06	30	70 - 130
Carbon disulfide	50.00	40.8	81.6	0.493	30	35 - 160
Carbon tetrachloride	50.00	52.6	105	8.34	30	65 - 140
Chlorobenzene	50.00	49.2	98.4	0.500	30	80 - 120
Chloroethane	50.00	55.6	111	0.724	30	60 - 135
Chloroform	50.00	52.6	105	9.25	30	65 - 135
Chloromethane	50.00	55.4	111	8.89	30	40 - 125
2-Chlorotoluene	50.00	48.7	97.4	5.94	30	75 - 125
4-Chlorotoluene	50.00	50.1	100	5.74	30	75 - 130
Dibromochloromethane	50.00	51.7	103	0.907	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.6	85.2	3.23	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.8	97.7	3.02	30	80 - 120
Dibromomethane	50.00	51.7	103	4.16	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16023	Laboratory ID:	1K16023-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	49.7	99.5	6.55	30	70 - 120
1,3-Dichlorobenzene	50.00	49.9	99.8	4.96	30	75 - 125
1,4-Dichlorobenzene	50.00	48.9	97.9	7.28	30	75 - 125
Dichlorodifluoromethane	50.00	47.0	94.0	4.99	30	30 - 155
1,1-Dichloroethane	50.00	52.9	106	6.36	30	70 - 135
1,2-Dichloroethane	50.00	56.1	112	8.59	30	70 - 130
1,1-Dichloroethene	50.00	45.7	91.5	0.937	30	70 - 130
cis-1,2-Dichloroethene	50.00	51.9	104	4.71	30	70 - 125
trans-1,2-Dichloroethene	50.00	48.8	97.7	5.84	30	60 - 140
1,2-Dichloropropane	50.00	51.1	102	1.28	30	75 - 125
1,3-Dichloropropane	50.00	49.3	98.6	5.00	30	75 - 125
2,2-Dichloropropane	50.00	35.8	71.6	19.4	30	70 - 135
1,1-Dichloropropene	50.00	50.6	101	5.44	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.9	106	0.564	30	70 - 130
trans-1,3-Dichloropropene	50.00	45.1	90.2	7.57	30	55 - 140
Ethylbenzene	50.00	50.2	100	1.21	30	75 - 125
Hexachlorobutadiene	50.00	47.4	94.8	2.01	30	50 - 140
2-Hexanone	100.0	99.1	99.1	8.83	30	55 - 130
Isopropylbenzene	50.00	48.8	97.7	1.63	30	75 - 125
p-Isopropyltoluene	50.00	48.3	96.5	3.03	30	75 - 130
Methylene chloride	50.00	45.3	90.6	2.86	30	55 - 140
Naphthalene	50.00	43.1	86.1	2.53	30	55 - 140
4-Methyl-2-pentanone	100.0	106	106	2.43	30	60 - 135
Methyl t-Butyl Ether	50.00	50.3	101	0.556	30	65 - 125
n-Propylbenzene	50.00	47.8	95.6	6.12	30	70 - 130
Styrene	50.00	50.2	100	2.73	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	45.9	91.8	1.05	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.1	104	1.96	30	80 - 130
Tetrachloroethene	50.00	46.4	92.9	1.64	30	45 - 150
Toluene	50.00	48.1	96.1	0.947	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16023	Laboratory ID:	1K16023-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	50.7	101	1.20	30	55 - 140
1,2,4-Trichlorobenzene	50.00	50.5	101	6.89	30	65 - 135
1,1,2-Trichloroethane	50.00	49.4	98.8	2.62	30	75 - 125
1,1,1-Trichloroethane	50.00	53.9	108	12.3	30	65 - 130
Trichloroethene	50.00	51.1	102	5.26	30	70 - 125
Trichlorofluoromethane	50.00	53.3	107	10.9	30	60 - 145
1,2,3-Trichloropropane	50.00	49.2	98.5	5.18	30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.5	105	3.00	30	75 - 130
1,2,4-Trimethylbenzene	50.00	53.8	108	9.08	30	75 - 130
Vinyl chloride	50.00	61.9	124	2.97	30	50 - 145
Xylenes (total)	150.0	156	104	0.294	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16026	Laboratory ID:	1K16026-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	97.2	97.2	40 - 140
Benzene	50.00	52.0	104	80 - 120
Bromobenzene	50.00	51.7	103	75 - 125
Bromochloromethane	50.00	49.9	99.8	65 - 130
Bromodichloromethane	50.00	49.0	98.0	75 - 120
Bromoform	50.00	48.2	96.4	70 - 130
Bromomethane	50.00	55.9	112	30 - 145
n-Butylbenzene	50.00	52.6	105	70 - 135
2-Butanone	100.0	104	104	30 - 150
sec-Butylbenzene	50.00	51.7	103	70 - 125
tert-Butylbenzene	50.00	53.3	107	70 - 130
Carbon disulfide	50.00	43.6	87.3	35 - 160
Carbon tetrachloride	50.00	49.5	98.9	65 - 140
Chlorobenzene	50.00	50.9	102	80 - 120
Chloroethane	50.00	55.7	111	60 - 135
Chloroform	50.00	49.6	99.1	65 - 135
Chloromethane	50.00	49.0	97.9	40 - 125
2-Chlorotoluene	50.00	49.9	99.8	75 - 125
4-Chlorotoluene	50.00	49.9	99.9	75 - 130
Dibromochloromethane	50.00	52.3	105	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.8	91.6	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.0	100	80 - 120
Dibromomethane	50.00	49.0	97.9	75 - 125
1,2-Dichlorobenzene	50.00	51.4	103	70 - 120
1,3-Dichlorobenzene	50.00	51.9	104	75 - 125
1,4-Dichlorobenzene	50.00	49.8	99.6	75 - 125
Dichlorodifluoromethane	50.00	43.0	86.0	30 - 155
1,1-Dichloroethane	50.00	51.6	103	70 - 135
1,2-Dichloroethane	50.00	49.3	98.6	70 - 130
1,1-Dichloroethene	50.00	47.1	94.2	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16026	Laboratory ID:	1K16026-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	50.8	102	70 - 125
trans-1,2-Dichloroethene	50.00	47.9	95.8	60 - 140
1,2-Dichloropropane	50.00	50.9	102	75 - 125
1,3-Dichloropropane	50.00	50.0	100	75 - 125
2,2-Dichloropropane	50.00	50.5	101	70 - 135
1,1-Dichloropropene	50.00	50.0	100	75 - 130
cis-1,3-Dichloropropene	50.00	56.3	113	70 - 130
trans-1,3-Dichloropropene	50.00	50.2	100	55 - 140
Ethylbenzene	50.00	50.0	100	75 - 125
Hexachlorobutadiene	50.00	51.8	104	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	49.8	99.5	75 - 125
p-Isopropyltoluene	50.00	50.6	101	75 - 130
Methylene chloride	50.00	46.1	92.2	55 - 140
Naphthalene	50.00	45.1	90.1	55 - 140
4-Methyl-2-pentanone	100.0	106	106	60 - 135
Methyl t-Butyl Ether	50.00	50.1	100	65 - 125
n-Propylbenzene	50.00	50.0	100	70 - 130
Styrene	50.00	52.1	104	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.5	99.1	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.4	103	80 - 130
Tetrachloroethene	50.00	48.8	97.7	45 - 150
Toluene	50.00	51.2	102	75 - 120
1,2,3-Trichlorobenzene	50.00	52.5	105	55 - 140
1,2,4-Trichlorobenzene	50.00	52.8	106	65 - 135
1,1,2-Trichloroethane	50.00	50.6	101	75 - 125
1,1,1-Trichloroethane	50.00	49.2	98.4	65 - 130
Trichloroethene	50.00	50.5	101	70 - 125
Trichlorofluoromethane	50.00	46.7	93.5	60 - 145
1,2,3-Trichloropropane	50.00	50.0	99.9	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16026	Laboratory ID:	1K16026-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	54.8	110	75 - 130
1,2,4-Trimethylbenzene	50.00	54.8	110	75 - 130
Vinyl chloride	50.00	58.5	117	50 - 145
Xylenes (total)	150.0	157	105	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	114	114	16.2	30	40 - 140
Benzene	50.00	49.3	98.6	5.23	30	80 - 120
Bromobenzene	50.00	48.5	97.0	6.31	30	75 - 125
Bromochloromethane	50.00	50.9	102	2.00	30	65 - 130
Bromodichloromethane	50.00	51.3	103	4.60	30	75 - 120
Bromoform	50.00	47.2	94.3	2.21	30	70 - 130
Bromomethane	50.00	51.2	102	8.60	30	30 - 145
n-Butylbenzene	50.00	51.3	103	2.48	30	70 - 135
2-Butanone	100.0	114	114	9.50	30	30 - 150
sec-Butylbenzene	50.00	50.8	102	1.79	30	70 - 125
tert-Butylbenzene	50.00	50.5	101	5.35	30	70 - 130
Carbon disulfide	50.00	42.7	85.5	2.10	30	35 - 160
Carbon tetrachloride	50.00	53.3	107	7.53	30	65 - 140
Chlorobenzene	50.00	46.8	93.7	8.39	30	80 - 120
Chloroethane	50.00	52.8	106	5.36	30	60 - 135
Chloroform	50.00	53.0	106	6.60	30	65 - 135
Chloromethane	50.00	51.1	102	4.34	30	40 - 125
2-Chlorotoluene	50.00	48.5	97.0	2.86	30	75 - 125
4-Chlorotoluene	50.00	48.7	97.4	2.55	30	75 - 130
Dibromochloromethane	50.00	51.1	102	2.39	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.8	95.6	4.25	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.3	96.7	3.34	30	80 - 120
Dibromomethane	50.00	51.1	102	4.36	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16026	Laboratory ID:	1K16026-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	49.7	99.4	3.38	30	70 - 120
1,3-Dichlorobenzene	50.00	48.6	97.2	6.50	30	75 - 125
1,4-Dichlorobenzene	50.00	49.0	97.9	1.70	30	75 - 125
Dichlorodifluoromethane	50.00	49.2	98.3	13.4	30	30 - 155
1,1-Dichloroethane	50.00	52.4	105	1.53	30	70 - 135
1,2-Dichloroethane	50.00	56.5	113	13.6	30	70 - 130
1,1-Dichloroethene	50.00	46.7	93.3	0.937	30	70 - 130
cis-1,2-Dichloroethene	50.00	51.2	102	0.893	30	70 - 125
trans-1,2-Dichloroethene	50.00	48.2	96.4	0.564	30	60 - 140
1,2-Dichloropropane	50.00	52.2	104	2.43	30	75 - 125
1,3-Dichloropropane	50.00	48.8	97.6	2.39	30	75 - 125
2,2-Dichloropropane	50.00	46.7	93.5	7.78	30	70 - 135
1,1-Dichloropropene	50.00	50.9	102	1.80	30	75 - 130
cis-1,3-Dichloropropene	50.00	55.6	111	1.10	30	70 - 130
trans-1,3-Dichloropropene	50.00	46.3	92.5	8.14	30	55 - 140
Ethylbenzene	50.00	48.4	96.8	3.32	30	75 - 125
Hexachlorobutadiene	50.00	45.4	90.8	13.2	30	50 - 140
2-Hexanone	100.0	111	111	8.49	30	55 - 130
Isopropylbenzene	50.00	49.6	99.2	0.350	30	75 - 125
p-Isopropyltoluene	50.00	48.0	96.0	5.27	30	75 - 130
Methylene chloride	50.00	44.3	88.7	3.89	30	55 - 140
Naphthalene	50.00	46.3	92.6	2.77	30	55 - 140
4-Methyl-2-pentanone	100.0	120	120	12.4	30	60 - 135
Methyl t-Butyl Ether	50.00	52.1	104	3.91	30	65 - 125
n-Propylbenzene	50.00	47.7	95.4	4.72	30	70 - 130
Styrene	50.00	49.8	99.6	4.57	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.1	98.3	0.814	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.1	100	2.65	30	80 - 130
Tetrachloroethene	50.00	45.6	91.1	6.95	30	45 - 150
Toluene	50.00	46.6	93.3	9.24	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16026	Laboratory ID:	1K16026-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	51.1	102	2.73	30	55 - 140
1,2,4-Trichlorobenzene	50.00	49.4	98.7	6.73	30	65 - 135
1,1,2-Trichloroethane	50.00	48.8	97.5	3.78	30	75 - 125
1,1,1-Trichloroethane	50.00	53.7	107	8.73	30	65 - 130
Trichloroethene	50.00	51.8	104	2.58	30	70 - 125
Trichlorofluoromethane	50.00	54.4	109	15.1	30	60 - 145
1,2,3-Trichloropropane	50.00	53.5	107	6.73	30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.1	104	5.16	30	75 - 130
1,2,4-Trimethylbenzene	50.00	52.1	104	5.10	30	75 - 130
Vinyl chloride	50.00	60.2	120	2.90	30	50 - 145
Xylenes (total)	150.0	152	101	3.66	30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16023 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/16/11 00:00	5.00	5.00
GW0318	1111104-03	11/16/11 00:00	5.00	5.00
GW0319	1111104-05	11/16/11 00:00	5.00	5.00
GW0328	1111104-07	11/16/11 00:00	5.00	5.00
GW0329	1111104-09	11/16/11 00:00	5.00	5.00
GW0362	1111104-11	11/16/11 00:00	5.00	5.00
GW8141-TB	1111104-13	11/16/11 00:00	5.00	5.00
GW0258	1111109-01	11/16/11 00:00	5.00	5.00
GW0333	1111109-03	11/16/11 00:00	5.00	5.00
GW0361	1111109-05	11/16/11 00:00	5.00	5.00
GW0363	1111109-07	11/16/11 00:00	5.00	5.00
GW0364	1111109-09	11/16/11 00:00	5.00	5.00
GW8142-TB	1111109-11	11/16/11 00:00	5.00	5.00
Blank	1K16023-BLK1	11/16/11 00:00	5.00	5.00
LCS	1K16023-BS1	11/16/11 00:00	5.00	5.00
LCS Dup	1K16023-BSD1	11/16/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16026 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01RE1	11/16/11 00:00	5.00	5.00
GW0301	1111091-03RE1	11/16/11 00:00	5.00	5.00
GW0302	1111091-05RE1	11/16/11 00:00	5.00	5.00
GW8139-TB	1111091-07RE1	11/16/11 00:00	5.00	5.00
GW0303	1111093-01RE1	11/16/11 00:00	5.00	5.00
GW0327	1111093-03RE1	11/16/11 00:00	5.00	5.00
GW0330	1111093-05RE1	11/16/11 00:00	5.00	5.00
GW8034-AB	1111093-07RE1	11/16/11 00:00	5.00	5.00
GW8140-TB	1111093-08RE1	11/16/11 00:00	5.00	5.00
Blank	1K16026-BLK1	11/16/11 00:00	5.00	5.00
LCS	1K16026-BS1	11/16/11 00:00	5.00	5.00
LCS Dup	1K16026-BSD1	11/16/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1114TU1.D	Injection Date:	11/14/11
Instrument ID:	MS-VOA3	Injection Time:	06:46
Sequence:	1K31911	Lab Sample ID:	1K31911-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.6	PASS
75	30 - 60% of 95	51.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.25	PASS
173	Less than 2% of 174	0.633	PASS
174	50 - 200% of 95	87	PASS
175	5 - 9% of 174	5.5	PASS
176	95 - 101% of 174	98.5	PASS
177	5 - 9% of 176	5.95	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1116TUN1.D	Injection Date:	11/16/11
Instrument ID:	MS-VOA3	Injection Time:	09:41
Sequence:	1K32108	Lab Sample ID:	1K32108-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17	PASS
75	30 - 60% of 95	48.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.28	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	90.7	PASS
175	5 - 9% of 174	7.17	PASS
176	95 - 101% of 174	99.7	PASS
177	5 - 9% of 176	6.51	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1116TUNE.D	Injection Date:	11/16/11
Instrument ID:	MS-VOA3	Injection Time:	20:52
Sequence:	1K32110	Lab Sample ID:	1K32110-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.4	PASS
75	30 - 60% of 95	55.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	8.09	PASS
173	Less than 2% of 174	0.569	PASS
174	50 - 200% of 95	66.4	PASS
175	5 - 9% of 174	8.11	PASS
176	95 - 101% of 174	98.6	PASS
177	5 - 9% of 176	5.15	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31911	Instrument:	MS-VOA3
Calibration:	1320003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K31911-TUN1	1114TU1.D	11/14/11 06:46
Cal Standard	1K31911-CAL1	SEQCAL1.D	11/14/11 08:06
Cal Standard	1K31911-CAL2	SEQCAL2.D	11/14/11 08:32
Cal Standard	1K31911-CAL3	SEQCAL3.D	11/14/11 08:59
Cal Standard	1K31911-CAL4	SEQCAL4.D	11/14/11 09:26
Cal Standard	1K31911-CAL5	SEQCAL5.D	11/14/11 09:53
Cal Standard	1K31911-CAL6	SEQCAL6.D	11/14/11 10:19
Cal Standard	1K31911-CAL7	SEQCAL7.D	11/14/11 10:46
Cal Standard	1K31911-CAL8	SEQCAL8.D	11/14/11 11:13
Cal Standard	1K31911-CAL9	SEQCAL9.D	11/14/11 11:40
Initial Cal Check	1K31911-ICV2	SEQICV2.D	11/14/11 13:27

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32108	Instrument:	MS-VOA3
Calibration:	1320003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K32108-TUN1	1116TUN1.D	11/16/11 09:41
Calibration Check	1K32108-CCV1	1116CCV1.D	11/16/11 10:08
LCS	1K16026-BS1	1116LCS1.D	11/16/11 10:36
Blank	1K16026-BLK1	1116BLK1.D	11/16/11 11:56
GW8139-TB	1111091-07RE1	1109107R.D	11/16/11 12:50
GW8034-AB	1111093-07RE1	1109307R.D	11/16/11 13:17
GW8140-TB	1111093-08RE1	1109308R.D	11/16/11 13:44
GW0291	1111091-01RE1	1109101R.D	11/16/11 17:45
GW0301	1111091-03RE1	1109103R.D	11/16/11 18:11
GW0302	1111091-05RE1	1109105R.D	11/16/11 18:38
GW0303	1111093-01RE1	1109301R.D	11/16/11 19:05
GW0327	1111093-03RE1	1109303R.D	11/16/11 19:31
GW0330	1111093-05RE1	1109305R.D	11/16/11 19:58
LCS Dup	1K16026-BSD1	1116LCD1.D	11/16/11 20:25

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32110	Instrument:	MS-VOA3
Calibration:	1320003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K32110-TUN1	1116TUNE.D	11/16/11 20:52
Calibration Check	1K32110-CCV1	1116CCVE.D	11/16/11 21:18
LCS	1K16023-BS1	1116LCSE.D	11/16/11 21:45
Blank	1K16023-BLK1	1116BLKE.D	11/16/11 23:05
GW8141-TB	1111104-13	1110413.D	11/16/11 23:58
GW8142-TB	1111109-11	1110911.D	11/17/11 00:25
GW0269	1111104-01	1110401.D	11/17/11 01:18
GW0318	1111104-03	1110403.D	11/17/11 01:45
GW0319	1111104-05	1110405.D	11/17/11 02:11
GW0328	1111104-07	1110407.D	11/17/11 02:38
GW0329	1111104-09	1110409.D	11/17/11 03:04
GW0362	1111104-11	1110411.D	11/17/11 03:31
GW0258	1111109-01	1110901.D	11/17/11 05:17
GW0333	1111109-03	1110903.D	11/17/11 05:44
GW0361	1111109-05	1110905.D	11/17/11 06:10
GW0363	1111109-07	1110907.D	11/17/11 06:37
GW0364	1111109-09	1110909.D	11/17/11 07:04
LCS Dup	1K16023-BSD1	1116LCDE.D	11/17/11 09:27

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32108	Instrument:	MS-VOA3
		Calibration:	1320003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1K32108-CCV1)			Lab File ID: 1116CCV1.D			Analyzed: 11/16/11 10:08			
Fluorobenzene	811205	7.919	871920	7.919	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	465413	11.064	452662	11.064	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	497977	13.479	498097	13.479	100	50 - 200	0.0000	+/-0.50	
LCS (1K16026-BS1)			Lab File ID: 1116LCS1.D			Analyzed: 11/16/11 10:36			
Fluorobenzene	847358	7.919	811205	7.919	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	451457	11.064	465413	11.064	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	490612	13.479	497977	13.479	99	50 - 200	0.0000	+/-0.50	
Blank (1K16026-BLK1)			Lab File ID: 1116BLK1.D			Analyzed: 11/16/11 11:56			
Fluorobenzene	749563	7.919	811205	7.919	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	398855	11.064	465413	11.064	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	415718	13.479	497977	13.479	83	50 - 200	0.0000	+/-0.50	
GW8139-TB (1111091-07RE1)			Lab File ID: 1109107R.D			Analyzed: 11/16/11 12:50			
Fluorobenzene	711169	7.919	811205	7.919	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	379387	11.064	465413	11.064	82	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	384538	13.479	497977	13.479	77	50 - 200	0.0000	+/-0.50	
GW8034-AB (1111093-07RE1)			Lab File ID: 1109307R.D			Analyzed: 11/16/11 13:17			
Fluorobenzene	696528	7.919	811205	7.919	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	361895	11.064	465413	11.064	78	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	372043	13.479	497977	13.479	75	50 - 200	0.0000	+/-0.50	
GW8140-TB (1111093-08RE1)			Lab File ID: 1109308R.D			Analyzed: 11/16/11 13:44			
Fluorobenzene	675411	7.919	811205	7.919	83	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	360022	11.064	465413	11.064	77	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	371243	13.479	497977	13.479	75	50 - 200	0.0000	+/-0.50	
GW0291 (1111091-01RE1)			Lab File ID: 1109101R.D			Analyzed: 11/16/11 17:45			
Fluorobenzene	623811	7.919	811205	7.919	77	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	343898	11.064	465413	11.064	74	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	342376	13.479	497977	13.479	69	50 - 200	0.0000	+/-0.50	
GW0301 (1111091-03RE1)			Lab File ID: 1109103R.D			Analyzed: 11/16/11 18:11			
Fluorobenzene	630325	7.919	811205	7.919	78	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	338317	11.064	465413	11.064	73	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	335435	13.479	497977	13.479	67	50 - 200	0.0000	+/-0.50	
GW0302 (1111091-05RE1)			Lab File ID: 1109105R.D			Analyzed: 11/16/11 18:38			
Fluorobenzene	612237	7.913	811205	7.919	75	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	332583	11.064	465413	11.064	71	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	334553	13.479	497977	13.479	67	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32108	Instrument:	MS-VOA3
		Calibration:	1320003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0303 (1111093-01RE1)			Lab File ID: 1109301R.D			Analyzed: 11/16/11 19:05			
Fluorobenzene	624815	7.919	811205	7.919	77	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	336803	11.064	465413	11.064	72	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	334155	13.479	497977	13.479	67	50 - 200	0.0000	+/-0.50	
GW0327 (1111093-03RE1)			Lab File ID: 1109303R.D			Analyzed: 11/16/11 19:31			
Fluorobenzene	606808	7.919	811205	7.919	75	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	352350	11.064	465413	11.064	76	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	353016	13.479	497977	13.479	71	50 - 200	0.0000	+/-0.50	
GW0330 (1111093-05RE1)			Lab File ID: 1109305R.D			Analyzed: 11/16/11 19:58			
Fluorobenzene	608782	7.919	811205	7.919	75	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	360720	11.064	465413	11.064	78	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	362217	13.479	497977	13.479	73	50 - 200	0.0000	+/-0.50	
LCS Dup (1K16026-BSD1)			Lab File ID: 1116LCD1.D			Analyzed: 11/16/11 20:25			
Fluorobenzene	678697	7.919	811205	7.919	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	390151	11.064	465413	11.064	84	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	433355	13.479	497977	13.479	87	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32110	Instrument:	MS-VOA3
		Calibration:	1320003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1K32110-CCV1)			Lab File ID: 1116CCVE.D			Analyzed: 11/16/11 21:18			
Fluorobenzene	704839	7.919	871920	7.919	81	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	399501	11.064	452662	11.064	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	455875	13.479	498097	13.479	92	50 - 200	0.0000	+/-0.50	
LCS (1K16023-BS1)			Lab File ID: 1116LCSE.D			Analyzed: 11/16/11 21:45			
Fluorobenzene	777716	7.919	704839	7.919	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	405199	11.064	399501	11.064	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	476697	13.479	455875	13.479	105	50 - 200	0.0000	+/-0.50	
Blank (1K16023-BLK1)			Lab File ID: 1116BLKE.D			Analyzed: 11/16/11 23:05			
Fluorobenzene	630049	7.919	704839	7.919	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	334623	11.064	399501	11.064	84	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	344459	13.479	455875	13.479	76	50 - 200	0.0000	+/-0.50	
GW8141-TB (1111104-13)			Lab File ID: 1110413.D			Analyzed: 11/16/11 23:58			
Fluorobenzene	603195	7.913	704839	7.919	86	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	330827	11.064	399501	11.064	83	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	324665	13.479	455875	13.479	71	50 - 200	0.0000	+/-0.50	
GW8142-TB (1111109-11)			Lab File ID: 1110911.D			Analyzed: 11/17/11 00:25			
Fluorobenzene	590529	7.913	704839	7.919	84	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	324079	11.064	399501	11.064	81	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	329224	13.479	455875	13.479	72	50 - 200	0.0000	+/-0.50	
GW0269 (1111104-01)			Lab File ID: 1110401.D			Analyzed: 11/17/11 01:18			
Fluorobenzene	558393	7.919	704839	7.919	79	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	315457	11.064	399501	11.064	79	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	317338	13.479	455875	13.479	70	50 - 200	0.0000	+/-0.50	
GW0318 (1111104-03)			Lab File ID: 1110403.D			Analyzed: 11/17/11 01:45			
Fluorobenzene	572382	7.919	704839	7.919	81	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	319715	11.064	399501	11.064	80	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	309751	13.479	455875	13.479	68	50 - 200	0.0000	+/-0.50	
GW0319 (1111104-05)			Lab File ID: 1110405.D			Analyzed: 11/17/11 02:11			
Fluorobenzene	546265	7.919	704839	7.919	78	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	304731	11.064	399501	11.064	76	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	308815	13.479	455875	13.479	68	50 - 200	0.0000	+/-0.50	
GW0328 (1111104-07)			Lab File ID: 1110407.D			Analyzed: 11/17/11 02:38			
Fluorobenzene	552390	7.919	704839	7.919	78	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	302744	11.064	399501	11.064	76	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	303103	13.479	455875	13.479	66	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K32110
Instrument: MS-VOA3
Calibration: 1320003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0329 (1111104-09)			Lab File ID: 1110409.D			Analyzed: 11/17/11 03:04			
Fluorobenzene	539186	7.919	704839	7.919	76	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	300466	11.064	399501	11.064	75	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	298182	13.479	455875	13.479	65	50 - 200	0.0000	+/-0.50	
GW0362 (1111104-11)			Lab File ID: 1110411.D			Analyzed: 11/17/11 03:31			
Fluorobenzene	539395	7.919	704839	7.919	77	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	303956	11.064	399501	11.064	76	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	294994	13.479	455875	13.479	65	50 - 200	0.0000	+/-0.50	
GW0258 (1111109-01)			Lab File ID: 1110901.D			Analyzed: 11/17/11 05:17			
Fluorobenzene	513893	7.919	704839	7.919	73	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	288112	11.064	399501	11.064	72	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	288630	13.479	455875	13.479	63	50 - 200	0.0000	+/-0.50	
GW0333 (1111109-03)			Lab File ID: 1110903.D			Analyzed: 11/17/11 05:44			
Fluorobenzene	498350	7.919	704839	7.919	71	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	299672	11.064	399501	11.064	75	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	316695	13.479	455875	13.479	69	50 - 200	0.0000	+/-0.50	
GW0361 (1111109-05)			Lab File ID: 1110905.D			Analyzed: 11/17/11 06:10			
Fluorobenzene	514753	7.919	704839	7.919	73	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	287828	11.064	399501	11.064	72	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	295056	13.479	455875	13.479	65	50 - 200	0.0000	+/-0.50	
GW0363 (1111109-07)			Lab File ID: 1110907.D			Analyzed: 11/17/11 06:37			
Fluorobenzene	512051	7.919	704839	7.919	73	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	291076	11.064	399501	11.064	73	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	292093	13.479	455875	13.479	64	50 - 200	0.0000	+/-0.50	
GW0364 (1111109-09)			Lab File ID: 1110909.D			Analyzed: 11/17/11 07:04			
Fluorobenzene	504347	7.919	704839	7.919	72	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	290226	11.064	399501	11.064	73	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	284022	13.479	455875	13.479	62	50 - 200	0.0000	+/-0.50	
LCS Dup (1K16023-BSD1)			Lab File ID: 1116LCDE.D			Analyzed: 11/17/11 09:27			
Fluorobenzene	663494	7.919	704839	7.919	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	364637	11.064	399501	11.064	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	405181	13.479	455875	13.479	89	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

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
Acetone	1	6.764764E-02	2	0.0591721	4	7.991107E-02	10	7.448536E-02	20	8.404935E-02	100	7.552455E-02
Acrolein	2.502	~~3.046721E-02~~	5.005	1.952961E-02	10.01	2.636051E-02	25.02	2.659179E-02	50.05	3.048361E-02	250.2	3.941961E-02
Acrylonitrile	2.498	8.607535E-02	4.997	7.494576E-02	9.994	9.457579E-02	24.98	8.771902E-02	49.97	0.1015065	249.8	0.0922279
Benzene	0.5	0.9238119	1	0.9381255	2	1.040984	5	1.02759	10	1.192773	50	1.076978
Bromobenzene	0.5	0.6348407	1	0.6416719	2	0.7051733	5	0.7055343	10	0.7090582	50	0.7201537
Bromochloromethane	0.5	0.1507491	1	0.1366108	2	0.1489396	5	0.1522241	10	0.1553128	50	0.142694
Tert-Amyl Methyl Ether	0.5	0.6980226	1	0.6853858	2	0.743623	5	0.7171346	10	0.8153009	50	0.7916079
Bromodichloromethane	0.5	0.4236429	1	0.3885343	2	0.4352068	5	0.4594181	10	0.4814437	50	0.4726974
Bromoform	0.5	~~0.301853~~	1	0.265063	2	0.3590949	5	0.3273392	10	0.4031392	50	0.4276194
Bromomethane	0.5	0.2135303	1	0.143179	2	0.1956175	5	0.1782665	10	0.1921952	50	0.1768218
Bromofluorobenzene	30	0.9863949	35	0.9926619	40	1.003762	50	1.004575	60	1.013305	70	1.024014
n-Butylbenzene	0.5	1.414539	1	1.413961	2	1.628524	5	1.665635	10	1.8001	50	1.955995
2-Butanone	1	0.1203987	2	7.405742E-02	4	0.0983078	10	9.697441E-02	20	0.1138655	100	0.1097812
sec-Butylbenzene	0.5	2.092946	1	1.968174	2	2.042703	5	2.145712	10	2.460205	50	2.560581
tert-Butylbenzene	0.5	1.798193	1	1.653224	2	1.801284	5	1.867011	10	2.013892	50	2.138503
Carbon disulfide	0.5	0.6373217	1	0.6527391	2	0.7203224	5	0.7346628	10	0.7718188	50	0.7682147
Carbon tetrachloride	0.5	0.4577453	1	0.3965405	2	0.45916	5	0.4600872	10	0.5044592	50	0.4889668
Chlorobenzene	0.5	1.54225	1	1.413694	2	1.635994	5	1.628756	10	1.779341	50	1.692921
Chloroethane	0.5	0.1579559	1	0.1729496	2	0.1737181	5	0.1677449	10	0.1887512	50	0.1693961
Chloroform	0.5	0.620902	1	0.5244455	2	0.6038578	5	0.572817	10	0.6111467	50	0.5661719
2-Chloroethyl vinyl ether	0.9975	0.1406248	1.995	0.1445509	3.99	0.1584044	9.975	0.1568849	19.95	0.1753929	99.75	0.179983
Chloromethane	0.5	0.3770585	1	0.3060237	2	0.343655	5	0.32896	10	0.348623	50	0.3126503
1-Chlorohexane	0.5	0.9454734	1	0.7679667	2	0.7756186	5	0.7497886	10	0.8086103	50	0.7716043
2-Chlorotoluene	0.5	1.790025	1	1.865735	2	2.013651	5	2.043186	10	2.203625	50	2.232821
4-Chlorotoluene	0.5	1.969054	1	2.236614	2	2.375778	5	2.417048	10	2.596896	50	2.615737
Cyclohexane	0.5	0.454179	1	0.3708895	2	0.4223857	5	0.4070487	10	0.4495604	50	0.4285524
Dibromochloromethane	0.5	0.5309452	1	0.5023816	2	0.5159115	5	0.5608867	10	0.6165853	50	0.6494293
1,2-Dibromo-3-chloropropane	0.5	~~8.345643E-02~~	1	9.808771E-02	2	0.1162052	5	9.417601E-02	10	0.1242733	50	0.1364
1,2-Dibromoethane (EDB)	0.5	0.5553374	1	0.4324241	2	0.5123724	5	0.5271481	10	0.5733459	50	0.5486116
Dibromomethane	0.5	0.2231146	1	0.1581809	2	0.2025847	5	0.2000864	10	0.2148503	50	0.1961641
1,2-Dichlorobenzene	0.5	1.179826	1	1.157364	2	1.213417	5	1.203556	10	1.333784	50	1.345384

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

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
1,3-Dichlorobenzene	0.5	1.149738	1	1.120839	2	1.320992	5	1.252646	10	1.392499	50	1.359465
1,4-Dichlorobenzene	0.5	1.412224	1	1.295542	2	1.343855	5	1.323179	10	1.426675	50	1.444209
Dichlorodifluoromethane	0.5	0.4088577	1	0.3519234	2	0.4011964	5	0.4076563	10	0.4548933	50	0.3978826
1,1-Dichloroethane	0.5	0.5099763	1	0.4893892	2	0.501174	5	0.5130718	10	0.5579736	50	0.5242992
1,2-Dichloroethane	0.5	0.490659	1	0.4223858	2	0.5184287	5	0.5281696	10	0.5695079	50	0.5195461
1,1-Dichloroethene	0.5	0.1803194	1	0.2179554	2	0.2541569	5	0.2402883	10	0.2511221	50	0.2367229
cis-1,2-Dichloroethene	0.5	0.3447392	1	0.2642826	2	0.2659224	5	0.2950111	10	0.3187272	50	0.2918841
trans-1,2-Dichloroethene	0.5	0.2796548	1	0.2634664	2	0.2772272	5	0.2739526	10	0.2987992	50	0.2827312
1,2-Dichloroethene (total)	1	0.312197	2	0.2638745	4	0.2715748	10	0.2844819	20	0.3087632	100	0.2873077
1,2-Dichloropropane	0.5	0.2193998	1	0.24314	2	0.260126	5	0.2717068	10	0.2848298	50	0.2679805
1,3-Dichloropropane	0.5	0.8411137	1	0.7363441	2	0.9474675	5	0.8850727	10	0.939166	50	0.8824651
2,2-Dichloropropane	0.5	0.4992032	1	0.4408467	2	0.4691213	5	0.4639328	10	0.477006	50	0.4622922
1,1-Dichloropropene	0.5	0.3572211	1	0.356937	2	0.4066281	5	0.3881361	10	0.4448344	50	0.4147326
cis-1,3-Dichloropropene	0.5	0.3497171	1	0.3506408	2	0.4053997	5	0.4119711	10	0.4525834	50	0.4445685
trans-1,3-Dichloropropene	0.5	0.7330121	1	0.6861507	2	0.7992615	5	0.7853904	10	0.8903746	50	0.9025281
1,3-Dichloropropene (total)												
Diisopropyl Ether	0.5	0.76437	1	0.9148453	2	0.9083203	5	0.901754	10	0.9763562	50	0.9374175
Ethylbenzene	0.5	2.596933	1	2.687622	2	2.767533	5	2.796895	10	3.210782	50	3.084495
Ethyl tert-Butyl Ether	0.5	0.8085769	1	0.86366	2	0.8525063	5	0.9240507	10	0.9932005	50	0.9437928
Ethyl Methacrylate	0.5	~~0.3988672~~	1	0.4888824	2	0.5399558	5	0.5275637	10	0.629155	50	0.6432338
Hexachlorobutadiene	0.5	0.4051653	1	0.3891407	2	0.3213178	5	0.379369	10	0.4206756	50	0.4213178
2-Hexanone	1	0.2375464	2	0.2447768	4	0.2718752	10	0.2855457	20	0.3119062	100	0.3203145
Iodomethane	0.5	~~0.2190283~~	1	~~0.2116981~~	2	0.2603947	5	0.2801979	10	0.3345399	50	0.3483693
Isopropylbenzene	0.5	1.890254	1	1.975368	2	2.265924	5	2.284222	10	2.597532	50	2.67106
p-Isopropyltoluene	0.5	1.978857	1	1.705585	2	1.78406	5	1.932856	10	2.090389	50	2.269844
Methylene chloride	0.5	~~0.4850124~~	1	0.3802172	2	0.3365151	5	0.3036791	10	0.3096166	50	0.2766426
Methyl Acetate	0.5	0.1906467	1	0.133968	2	0.1561562	5	0.161592	10	0.1665929	50	0.1629289
Methylcyclohexane	0.5	0.2898335	1	0.347415	2	0.3510444	5	0.3535334	10	0.3683652	50	0.3485278
Naphthalene	0.5	1.169888	1	1.064055	2	1.221049	5	1.274267	10	1.461456	50	1.593957
Methyl Methacrylate	0.5		1	0.21403	2	0.2049263	5	0.2069239	10	0.2345242	50	0.2420986
4-Methyl-2-pentanone	1	0.1779047	2	0.1982508	4	0.2081123	10	0.2116924	20	0.2552431	100	0.2407604

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

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
Methyl t-Butyl Ether	0.5	0.7220949	1	0.6483863	2	0.7232974	5	0.7115431	10	0.7577964	50	0.735804
n-Propylbenzene	0.5	2.851814	1	2.603355	2	2.911801	5	2.902428	10	3.274374	50	3.291294
Styrene	0.5	~~1.192305~~	1	1.376105	2	1.6133	5	1.633829	10	1.837591	50	1.885164
1,1,2,2-Tetrachloroethane	0.5	0.4770495	1	0.4812361	2	0.5688556	5	0.5588241	10	0.5919566	50	0.5884907
1,1,1,2-Tetrachloroethane	0.5	0.5409239	1	0.4922385	2	0.5761499	5	0.5438454	10	0.608954	50	0.6231886
tert-Butyl alcohol	2.5	1.508234E-02	5	1.965019E-02	10	2.099741E-02	25	2.177685E-02	50	2.141941E-02	250	1.977465E-02
Tetrachloroethene	0.5	0.6333646	1	0.7252315	2	0.6554339	5	0.6502496	10	0.719222	50	0.6777896
Toluene	0.5	1.420982	1	1.412128	2	1.536679	5	1.439983	10	1.594016	50	1.488541
1,2,3-Trichlorobenzene	0.5	0.5641818	1	0.6275473	2	0.6713431	5	0.6701926	10	0.7259062	50	0.7637411
1,2,4-Trichlorobenzene	0.5	0.7818765	1	0.5900956	2	0.6942404	5	0.7031836	10	0.7777388	50	0.8281924
1,1,2-Trichloroethane	0.5	0.3258294	1	0.3745488	2	0.4036077	5	0.4108115	10	0.4315491	50	0.3960301
1,1,1-Trichloroethane	0.5	0.5087132	1	0.4796729	2	0.5979847	5	0.5663564	10	0.5798664	50	0.5568149
Tetrahydrofuran	0.5		1	5.701508E-02	2	6.717635E-02	5	5.549196E-02	10	6.459354E-02	50	6.165228E-02
Trichloroethene	0.5	0.3069219	1	0.2977066	2	0.3181472	5	0.3264604	10	0.35388	50	0.3274619
Trichlorofluoromethane	0.5	0.5142112	1	0.4838315	2	0.5649723	5	0.5470284	10	0.5817249	50	0.5364214
1,2,3-Trichloropropane	0.5	0.1947215	1	0.2038315	2	0.2635381	5	0.2200463	10	0.255848	50	0.2395005
1,3,5-Trimethylbenzene	0.5	1.721816	1	1.623548	2	1.934302	5	2.063399	10	2.224003	50	2.306558
1,2,4-Trimethylbenzene	0.5	1.807587	1	1.675623	2	1.999796	5	2.053122	10	2.291363	50	2.367912
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2867874	1	0.2748539	2	0.2767666	5	0.2518174	10	0.2840181	50	0.2555455
Vinyl chloride	0.5	0.2838898	1	0.2652542	2	0.2862097	5	0.2742526	10	0.3158332	50	0.2678234
m,p-Xylene	1	2.101191	2	1.951987	4	2.237611	10	2.316255	20	2.630498	100	2.546637
o-Xylene	0.5	2.05795	1	2.145787	2	2.478382	5	2.43768	10	2.699649	50	2.679406
Vinyl acetate	0.996	0.4527954	1.992	0.4463632	3.984	0.5094785	9.96	0.5145146	19.92	0.5676594	99.62	0.5578547
Xylenes (total)	1.5	2.086777	3	2.016587	6	2.317868	15	2.35673	30	2.653548	150	2.590893
Dibromofluoromethane	30	0.2753146	35	0.275006	40	0.2879582	50	0.2918308	60	0.2894926	70	0.2827298
1,2-Dichloroethane-d4	30	0.0590564	35	5.904606E-02	40	6.092607E-02	50	6.249172E-02	60	6.353594E-02	70	5.946654E-02
Toluene-d8	30	1.914794	35	1.947123	40	2.011931	50	1.999995	60	2.041359	70	2.031346
tert-Amyl alcohol	2.5		5	1.169062E-02	10	1.289786E-02	25	1.402874E-02	50	1.521419E-02	250	1.479675E-02
tert-Amyl ethyl ether	0.5	0.6073799	1	0.5912157	2	0.7282109	5	0.7654276	10	0.7994275	50	0.7944673

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

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
Acetone	200	7.559025E-02	300	6.900454E-02	400	6.663318E-02						
Acrolein	500.5	4.435456E-02	750.8	4.236978E-02	1001	4.253633E-02						
Acrylonitrile	499.7	9.406353E-02	749.6	8.894122E-02	999.4	8.569541E-02						
Benzene	100	1.085783	150	1.103157	200	1.122144						
Bromobenzene	100	0.7183751	150	0.724372	200	0.7269665						
Bromochloromethane	100	0.1484744	150	0.140787	200	0.1397006						
Tert-Amyl Methyl Ether	100	0.8186705	150	0.7992422	200	0.7948305						
Bromodichloromethane	100	0.4881561	150	0.4714134	200	0.4714944						
Bromoform	100	0.4656633	150	0.4779787	200	0.4816553						
Bromomethane	100	0.1950244	150	0.1914263	200	0.1964027						
Bromofluorobenzene	30	1.101897	30	1.081342	30	1.08414						
n-Butylbenzene	100	1.938436	150	1.984626	200	2.026627						
2-Butanone	200	0.1151043	300	0.110192	400	0.1047801						
sec-Butylbenzene	100	2.606855	150	2.563349	200	2.626579						
tert-Butylbenzene	100	2.118435	150	2.148916	200	2.167541						
Carbon disulfide	100	0.7747144	150	0.7668919	200	0.7689822						
Carbon tetrachloride	100	0.5038157	150	0.4849979	200	0.4855292						
Chlorobenzene	100	1.759627	150	1.784043	200	1.81823						
Chloroethane	100	0.1795197	150	0.1658072	200	0.1653013						
Chloroform	100	0.5759854	150	0.5373461	200	0.536998						
2-Chloroethyl vinyl ether	199.5	0.187715	299.2	0.1872632	399	0.1798632						
Chloromethane	100	0.325139	150	0.3020935	200	0.2956683						
1-Chlorohexane	100	0.8066602	150	0.8133353	200	0.8295432						
2-Chlorotoluene	100	2.231324	150	2.262857	200	2.222485						
4-Chlorotoluene	100	2.615684	150	2.648666	200	2.634872						
Cyclohexane	100	0.4346521	150	0.4184755	200	0.4163795						
Dibromochloromethane	100	0.6903197	150	0.6769195	200	0.684477						
1,2-Dibromo-3-chloropropane	100	0.1453669	150	0.1517905	200	0.1514079						
1,2-Dibromoethane (EDB)	100	0.5835175	150	0.5718977	200	0.5738519						
Dibromomethane	100	0.196828	150	0.186653	200	0.1843708						
1,2-Dichlorobenzene	100	1.324597	150	1.329338	200	1.336058						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

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
1,3-Dichlorobenzene	100	1.344085	150	1.347553	200	1.3697						
1,4-Dichlorobenzene	100	1.39154	150	1.409439	200	1.388276						
Dichlorodifluoromethane	100	0.4173115	150	0.3685433	200	0.3447448						
1,1-Dichloroethane	100	0.5145771	150	0.4732921	200	0.4843147						
1,2-Dichloroethane	100	0.5193604	150	0.480684	200	0.4628273						
1,1-Dichloroethene	100	0.2448617	150	0.2265752	200	0.2357183						
cis-1,2-Dichloroethene	100	0.3019412	150	0.2780117	200	0.2837797						
trans-1,2-Dichloroethene	100	0.2755096	150	0.2625155	200	0.2643271						
1,2-Dichloroethene (total)	200	0.2887254	300	0.2702636	400	0.2740534						
1,2-Dichloropropane	100	0.2696508	150	0.2700678	200	0.2725403						
1,3-Dichloropropane	100	0.9040215	150	0.8807894	200	0.8938177						
2,2-Dichloropropane	100	0.4813481	150	0.4651541	200	0.4532489						
1,1-Dichloropropene	100	0.4209813	150	0.4035641	200	0.4050091						
cis-1,3-Dichloropropene	100	0.4700069	150	0.4606302	200	0.4635449						
trans-1,3-Dichloropropene	100	0.9762105	150	0.9636119	200	0.9953025						
1,3-Dichloropropene (total)					0							
Diisopropyl Ether	100	0.9464372	150	0.9019884	200	0.9075981						
Ethylbenzene	100	3.244787	150	3.350905	200	3.402151						
Ethyl tert-Butyl Ether	100	0.9502002	150	0.9287113	200	0.9189841						
Ethyl Methacrylate	100	0.7060162	150	0.7062282	200	0.7141601						
Hexachlorobutadiene	100	0.3973979	150	0.4005914	200	0.4011702						
2-Hexanone	200	0.3480773	300	0.3254531	400	0.3240363						
Iodomethane	100	0.3713549	150	0.3601967	200	0.3640068						
Isopropylbenzene	100	2.788496	150	2.727305	200	2.825955						
p-Isopropyltoluene	100	2.303638	150	2.333643	200	2.344284						
Methylene chloride	100	0.2676029	150	0.2550491	200	0.2602653						
Methyl Acetate	100	0.1650908	150	0.1475568	200	0.145193						
Methylcyclohexane	100	0.3582951	150	0.3375267	200	0.3414241						
Naphthalene	100	1.760305	150	1.775275	200	1.797027						
Methyl Methacrylate	100	0.2506255	150	0.234799	200	0.2235427						
4-Methyl-2-pentanone	200	0.2483127	300	0.2331921	400	0.2255239						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

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
Methyl t-Butyl Ether	100	0.7263123	150	0.7066968	200	0.7111741						
n-Propylbenzene	100	3.384007	150	3.470889	200	3.413825						
Styrene	100	1.986383	150	1.981295	200	2.007227						
1,1,2,2-Tetrachloroethane	100	0.5704521	150	0.6041221	200	0.5904298						
1,1,1,2-Tetrachloroethane	100	0.6367208	150	0.6462582	200	0.6546548						
tert-Butyl alcohol	500	0.0215139	750	2.140079E-02	1000	2.059556E-02						
Tetrachloroethene	100	0.6924644	150	0.6785739	200	0.6914355						
Toluene	100	1.535041	150	1.520122	200	1.563842						
1,2,3-Trichlorobenzene	100	0.8004176	150	0.7638353	200	0.7848253						
1,2,4-Trichlorobenzene	100	0.8388607	150	0.8286744	200	0.8431031						
1,1,2-Trichloroethane	100	0.4050632	150	0.4057092	200	0.4078642						
1,1,1-Trichloroethane	100	0.5767241	150	0.5570936	200	0.5482869						
Tetrahydrofuran	100	6.449732E-02	150	0.0613018	200	5.982371E-02						
Trichloroethene	100	0.3271085	150	0.3245259	200	0.3227057						
Trichlorofluoromethane	100	0.5385618	150	0.4795135	200	0.4712759						
1,2,3-Trichloropropane	100	0.2414967	150	0.2363036	200	0.237655						
1,3,5-Trimethylbenzene	100	2.325759	150	2.349854	200	2.358927						
1,2,4-Trimethylbenzene	100	2.39237	150	2.40116	200	2.434092						
1,1,2-Trichloro-1,2,2-trifluoroethar	100	0.2655054	150	0.2447797	200	0.2417747						
Vinyl chloride	100	0.2853891	150	0.2593922	200	0.2408149						
m,p-Xylene	200	2.716108	300	2.70424	400	2.473482						
o-Xylene	100	2.767089	150	2.77759	200	2.754318						
Vinyl acetate	199.2	0.58712	298.9	0.5502936	398.5	0.5650695						
Xylenes (total)	300	2.733101	450	2.72869	600	2.567094						
Dibromofluoromethane	30	0.2728255	30	0.2560386	30	0.2563891						
1,2-Dichloroethane-d4	30	6.004106E-02	30	5.827707E-02	30	5.759659E-02						
Toluene-d8	30	2.047115	30	2.067525	30	2.08689						
tert-Amyl alcohol	500	0.0162778	750	1.559592E-02	1000	1.561958E-02						
tert-Amyl ethyl ether	100	0.8073121	150	0.773287	200	0.7813539						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1320003		Instrument:	MS-VOA3	
Matrix:	Water		Calibration Dates:	11/14/11 8:06	11/14/11 11:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	7.244645E-02	10.45254	3.635333	0.173642			15	
Acrolein	3.395573E-02	27.59291	3.514	9.327007E-02	0.9992059		0.995	
Acrylonitrile	8.952783E-02	8.280791	4.519333	0.1289836			15	
Benzene	1.056816	8.127975	7.653667	3.944582E-02			15	
Bromobenzene	0.6984606	5.018931	12.43233	2.200746E-02			15	
Bromochloromethane	0.1461658	4.383949	6.730111	4.402623E-02			15	
Tert-Amyl Methyl Ether	0.7626464	6.829652	7.840667	2.701425E-02			15	
Bromodichloromethane	0.4546675	7.154223	8.645	4.105957E-02			15	
Bromoform	0.4009441	19.54484	11.831	1.686467E-02		0.9997727	SPCC (0.1)	
Bromomethane	0.1869404	10.49203	2.651333	0.100079			15	
Bromofluorobenzene	1.032455	4.28076	12.26767	1.900658E-02			15	
n-Butylbenzene	1.758716	13.61475	13.86822	2.786026E-04			15	
2-Butanone	0.104829	13.20973	6.185	0.1601046			15	
sec-Butylbenzene	2.340789	11.61879	13.32633	1.085074E-02			15	
tert-Butylbenzene	1.967444	9.71494	13.08933	1.090225E-02			15	
Carbon disulfide	0.732852	7.266993	4.699667	4.739061E-02			15	
Carbon tetrachloride	0.4712558	7.079639	7.621666	3.034842E-02			15	
Chlorobenzene	1.672762	7.916611	11.10089	1.823637E-02			SPCC (0.3)	
Chloroethane	0.1712382	5.22789	2.792	0.1514942			15	
Chloroform	0.5721856	6.07821	6.704667	4.427653E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1678536	10.76786	9.001778	3.914783E-02			15	
Chloromethane	0.3266524	8.03055	2.03	2.374704E-02			SPCC (0.1)	
1-Chlorohexane	0.8076223	7.160839	11.064	1.625658E-02			15	
2-Chlorotoluene	2.09619	8.410738	12.65267	2.353935E-02			15	
4-Chlorotoluene	2.456705	9.471847	12.71767	0.0284638			15	
Cyclohexane	0.4224581	5.844004	7.552667	3.754628E-02			15	
Dibromochloromethane	0.6030951	12.67418	10.32733	2.432288E-02			15	
1,2-Dibromo-3-chloropropane	0.1272134	18.00635	14.4815	1.591141E-02		0.9996992	0.99	
1,2-Dibromoethane (EDB)	0.5420563	8.736541	10.54567	1.800797E-02			15	
Dibromomethane	0.1958703	9.558249	8.580667	2.967379E-02			15	
1,2-Dichlorobenzene	1.269258	6.168913	13.832	7.155375E-03			15	
1,3-Dichlorobenzene	1.29528	7.638602	13.41733	0.0110271			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1320003	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	11/14/11 8:06 11/14/11 11:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.38166	3.623486	13.50933	2.197418E-02			15	
Dichlorodifluoromethane	0.3947788	8.758611	1.817	1.159901E-03			15	
1,1-Dichloroethane	0.5075631	4.921932	5.726222	5.943512E-02			SPCC (0.1)	
1,2-Dichloroethane	0.5012854	8.514101	7.478333	3.827766E-02			15	
1,1-Dichloroethene	0.2319689	9.668855	4.141666	4.371527E-02			CCC (20)	
cis-1,2-Dichloroethene	0.293811	8.748586	6.449889	7.362049E-02			15	
trans-1,2-Dichloroethene	0.2753537	4.172168	5.340333	4.819165E-02			15	
1,2-Dichloroethene (total)	0.2845824	5.939708	0	0			15	
1,2-Dichloropropane	0.2621602	7.459759	8.466	3.588623E-02			CCC (20)	
1,3-Dichloropropane	0.8789175	7.08155	10.06533	1.996152E-02			15	
2,2-Dichloropropane	0.468017	3.580369	6.558667	4.959789E-02			15	
1,1-Dichloropropene	0.3997826	7.170402	7.497667	3.227523E-02			15	
cis-1,3-Dichloropropene	0.4232292	11.09727	9.220889	0.018046			15	
trans-1,3-Dichloropropene	0.8590936	13.071	9.695	1.599011E-03			15	
1,3-Dichloropropene (total)							15	
Diisopropyl Ether	0.9065652	6.496464	6.1	4.880187E-02			15	
Ethylbenzene	3.015789	10.14899	11.24767	1.944462E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.9092981	6.274797	6.573333	3.565997E-02			15	
Ethyl Methacrylate	0.6193994	14.49997	9.88325	1.764292E-02			15	
Hexachlorobutadiene	0.3929051	7.634636	15.85067	4.897829E-03			15	
2-Hexanone	0.2966146	13.02368	9.999666	2.650993E-02			15	
Iodomethane	0.3312943	13.186	4.343571	7.034369E-02			15	
Isopropylbenzene	2.447346	14.47056	12.153	1.228146E-02			15	
p-Isopropyltoluene	2.082573	11.76102	13.461	7.08553E-03			15	
Methylene chloride	0.2986985	14.45804	4.646	0.0171429			15	
Methyl Acetate	0.1588584	10.13683	4.511333	0.2045499			15	
Methylcyclohexane	0.3439961	6.462166	8.800333	2.623461E-02			15	
Naphthalene	1.457475	19.61131	15.724	1.372111E-02		0.9997399	0.99	
Methyl Methacrylate	0.2264338	7.411499	8.59775	3.693516E-02			15	
4-Methyl-2-pentanone	0.2221103	11.36156	9.141333	1.341178E-02			15	
Methyl t-Butyl Ether	0.7159006	4.142843	5.330333	5.951034E-02			15	
n-Propylbenzene	3.122643	9.882159	12.56678	1.896665E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1320003		Instrument:	MS-VOA3	
Matrix:	Water		Calibration Dates:	11/14/11 8:06	11/14/11 11:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Styrene	1.790112	12.67879	11.727	0.0149357			15	
1,1,2,2-Tetrachloroethane	0.5590463	8.478021	12.076	1.230377E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5914371	9.500509	11.141	2.735145E-02			15	
tert-Butyl alcohol	2.024568E-02	10.27049	4.283	0.156016			15	
Tetrachloroethene	0.6804183	4.51169	10.44044	3.166415E-02			15	
Toluene	1.501259	4.315423	9.702333	2.819492E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.7079989	11.26827	16.01333	8.024639E-03			15	
1,2,4-Trichlorobenzene	0.7651073	11.2689	15.57	1.632573E-02			15	
1,1,2-Trichloroethane	0.3956681	7.603788	9.852333	2.251338E-02			15	
1,1,1-Trichloroethane	0.5523904	6.67457	7.274	5.873241E-02			15	
Tetrahydrofuran	6.144401E-02	6.446709	6.92625	7.285215E-02			15	
Trichloroethene	0.3227687	4.807302	8.420667	3.655949E-02			15	
Trichlorofluoromethane	0.5241712	7.503496	3.313889	0.1139312			15	
1,2,3-Trichloropropane	0.232549	9.715485	12.20311	2.071861E-02			15	
1,3,5-Trimethylbenzene	2.100907	13.43444	12.74367	1.179782E-02			15	
1,2,4-Trimethylbenzene	2.158114	13.14319	13.12	0.0125684			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2646499	6.382489	4.224666	9.167957E-02			15	
Vinyl chloride	0.2754288	7.634826	2.194	2.156569E-02			CCC (20)	
m,p-Xylene	2.408668	11.32451	11.36133	1.498093E-02			15	
o-Xylene	2.533095	10.8157	11.75589	2.947384E-02			15	
Vinyl acetate	0.5279054	9.630043	5.799889	5.496246E-02			15	
Xylenes (total)	2.450143	10.97758	0	0			15	
Dibromofluoromethane	0.2763984	4.810157	6.881667	5.142986E-02			15	
1,2-Dichloroethane-d4	6.004861E-02	3.245219	7.385222	4.357962E-02			15	
Toluene-d8	2.016453	2.760298	9.628	1.497989E-02			15	
tert-Amyl alcohol	1.451518E-02	10.70238	7.082	9.011839E-02			15	
tert-Amyl ethyl ether	0.7386758	11.15756	8.732667	3.216415E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	SEQICV2.D	Calibration Date:	11/14/11 08:06
Sequence:	1K31911	Injection Date:	11/14/11
Lab Sample ID:	1K31911-ICV2	Injection Time:	13:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	205.1	7.244645E-02	7.430883E-02		2.6	20
Benzene	A	100.0	101.4	1.056816	1.071659		1.4	20
Bromobenzene	A	100.0	100.6	0.6984606	0.7026184		0.6	20
Bromochloromethane	A	100.0	95.33	0.1461658	0.1393385		-4.7	20
Bromodichloromethane	A	100.0	93.26	0.4546675	0.4240188		-6.7	20
Bromoform	Q	100.0	96.68	0.4009441	0.4468394	0.1	-3.3	20
Bromomethane	A	100.0	105.9	0.1869404	0.1978991		5.9	20
n-Butylbenzene	A	100.0	106.4	1.758716	1.871338		6.4	20
2-Butanone	A	200.0	210.8	0.104829	0.1104937		5.4	20
sec-Butylbenzene	A	100.0	103.4	2.340789	2.42139		3.4	20
tert-Butylbenzene	A	100.0	104.6	1.967444	2.057536		4.6	20
Carbon disulfide	A	100.0	84.89	0.732852	0.6220882		-15.1	20
Carbon tetrachloride	A	100.0	96.23	0.4712558	0.4535014		-3.8	20
Chlorobenzene	A	100.0	101.5	1.672762	1.697368	0.3	1.5	20
Chloroethane	A	100.0	101.7	0.1712382	0.1741526		1.7	20
Chloroform	A	100.0	94.31	0.5721856	0.5396031		-5.7	20
Chloromethane	A	100.0	91.52	0.3266524	0.2989669	0.1	-8.5	20
2-Chlorotoluene	A	100.0	100.3	2.09619	2.102867		0.3	20
4-Chlorotoluene	A	100.0	100.1	2.456705	2.45883		0.09	20
Dibromochloromethane	A	100.0	105.2	0.6030951	0.6342506		5.2	20
1,2-Dibromo-3-chloropropane	Q	100.0	95.68	0.1272134	0.1394919		-4.3	20
1,2-Dibromoethane (EDB)	A	100.0	103.1	0.5420563	0.5587607		3.1	20
Dibromomethane	A	100.0	92.76	0.1958703	0.1816986		-7.2	20
1,2-Dichlorobenzene	A	100.0	99.51	1.269258	1.263012		-0.5	20
1,3-Dichlorobenzene	A	100.0	102.2	1.29528	1.324225		2.2	20
1,4-Dichlorobenzene	A	100.0	97.94	1.38166	1.35323		-2.1	20
Dichlorodifluoromethane	A	100.0	85.84	0.3947788	0.3388642		-14.2	20
1,1-Dichloroethane	A	100.0	94.73	0.5075631	0.4808364	0.1	-5.3	20
1,2-Dichloroethane	A	100.0	92.84	0.5012854	0.4653848		-7.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	SEQICV2.D	Calibration Date:	11/14/11 08:06
Sequence:	1K31911	Injection Date:	11/14/11
Lab Sample ID:	1K31911-ICV2	Injection Time:	13:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	91.65	0.2319689	0.2126074		-8.3	20
cis-1,2-Dichloroethene	A	100.0	98.37	0.293811	0.2890314		-1.6	20
trans-1,2-Dichloroethene	A	100.0	91.64	0.2753537	0.2523338		-8.4	20
1,2-Dichloropropane	A	100.0	98.70	0.2621602	0.2587548		-1.3	20
1,3-Dichloropropane	A	100.0	98.80	0.8789175	0.8683391		-1.2	20
2,2-Dichloropropane	A	100.0	90.92	0.468017	0.4255158		-9.1	20
1,1-Dichloropropene	A	100.0	95.92	0.3997826	0.383487		-4.1	20
cis-1,3-Dichloropropene	A	100.0	106.4	0.4232292	0.4504894		6.4	20
trans-1,3-Dichloropropene	A	100.0	99.14	0.8590936	0.8517135		-0.9	20
Ethylbenzene	A	100.0	106.9	3.015789	3.224314		6.9	20
Hexachlorobutadiene	A	100.0	90.09	0.3929051	0.3539862		-9.9	20
2-Hexanone	A	200.0	225.5	0.2966146	0.3344176		12.7	20
Isopropylbenzene	A	100.0	103.2	2.447346	2.524959		3.2	20
p-Isopropyltoluene	A	100.0	101.1	2.082573	2.105122		1.1	20
Methylene chloride	A	100.0	84.31	0.2986985	0.2518265		-15.7	20
Naphthalene	Q	100.0	97.51	1.457475	1.688242		-2.5	20
4-Methyl-2-pentanone	A	200.0	213.5	0.2221103	0.2370669		6.7	20
Methyl t-Butyl Ether	A	100.0	97.87	0.7159006	0.7006727		-2.1	20
n-Propylbenzene	A	100.0	101.3	3.122643	3.163536		1.3	20
Styrene	A	100.0	104.9	1.790112	1.878696		4.9	20
1,1,2,2-Tetrachloroethane	A	100.0	103.8	0.5590463	0.5801465	0.3	3.8	20
1,1,1,2-Tetrachloroethane	A	100.0	103.6	0.5914371	0.6126733		3.6	20
Tetrachloroethene	A	100.0	98.21	0.6804183	0.6682373		-1.8	20
Toluene	A	100.0	102.0	1.501259	1.531093		2.0	20
1,2,3-Trichlorobenzene	A	100.0	104.7	0.7079989	0.7413847		4.7	20
1,2,4-Trichlorobenzene	A	100.0	103.6	0.7651073	0.792435		3.6	20
1,1,2-Trichloroethane	A	100.0	104.8	0.3956681	0.4146291		4.8	20
1,1,1-Trichloroethane	A	100.0	95.59	0.5523904	0.5280333		-4.4	20
Trichloroethene	A	100.0	96.11	0.3227687	0.3102044		-3.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	SEQICV2.D	Calibration Date:	11/14/11 08:06
Sequence:	1K31911	Injection Date:	11/14/11
Lab Sample ID:	1K31911-ICV2	Injection Time:	13:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	91.23	0.5241712	0.4781941		-8.8	20
1,2,3-Trichloropropane	A	100.0	100.1	0.232549	0.2328043		0.1	20
1,3,5-Trimethylbenzene	A	100.0	107.5	2.100907	2.259365		7.5	20
1,2,4-Trimethylbenzene	A	100.0	107.5	2.158114	2.3204		7.5	20
Vinyl chloride	A	100.0	106.4	0.2754288	0.293157		6.4	20
Xylenes (total)	A	300.0	320.4	2.450143	2.615827		6.8	20
Bromofluorobenzene	A	30.00	31.04	1.032455	1.068089		3.5	20
Dibromofluoromethane	A	30.00	28.19	0.2763984	0.2597121		-6.0	20
1,2-Dichloroethane-d4	A	30.00	29.24	6.004861E-02	0.0585213		-2.5	20
Toluene-d8	A	30.00	30.48	2.016453	2.049006		1.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	1116CCV1.D	Calibration Date:	11/14/11 08:06
Sequence:	1K32108	Injection Date:	11/16/11
Lab Sample ID:	1K32108-CCV1	Injection Time:	10:08

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	189.0	7.244645E-02	6.846112E-02		-5.5	20
Benzene	A	100.0	103.5	1.056816	1.093961		3.5	20
Bromobenzene	A	100.0	97.68	0.6984606	0.6822309		-2.3	20
Bromochloromethane	A	100.0	105.2	0.1461658	0.1537154		5.2	20
Bromodichloromethane	A	100.0	108.7	0.4546675	0.4942677		8.7	20
Bromoform	Q	100.0	94.21	0.4009441	0.4348744	0.1	-5.8	20
Bromomethane	A	100.0	94.31	0.1869404	0.1762963		-5.7	20
n-Butylbenzene	A	100.0	106.4	1.758716	1.871496		6.4	20
2-Butanone	A	200.0	200.9	0.104829	0.1053059		0.5	20
sec-Butylbenzene	A	100.0	105.5	2.340789	2.470707		5.6	20
tert-Butylbenzene	A	100.0	103.5	1.967444	2.037057		3.5	20
Carbon disulfide	A	100.0	102.8	0.732852	0.7537772		2.9	20
Carbon tetrachloride	A	100.0	107.9	0.4712558	0.5083267		7.9	20
Chlorobenzene	A	100.0	97.23	1.672762	1.626365	0.3	-2.8	20
Chloroethane	A	100.0	97.47	0.1712382	0.1669021		-2.5	20
Chloroform	A	100.0	102.7	0.5721856	0.5879143		2.7	20
Chloromethane	A	100.0	94.00	0.3266524	0.3070562	0.1	-6.0	20
2-Chlorotoluene	A	100.0	99.28	2.09619	2.081014		-0.7	20
4-Chlorotoluene	A	100.0	101.0	2.456705	2.48267		1.1	20
Dibromochloromethane	A	100.0	103.5	0.6030951	0.6241212		3.5	20
1,2-Dibromo-3-chloropropane	Q	100.0	95.13	0.1272134	0.138654		-4.9	20
1,2-Dibromoethane (EDB)	A	100.0	96.30	0.5420563	0.5220009		-3.7	20
Dibromomethane	A	100.0	103.2	0.1958703	0.202069		3.2	20
1,2-Dichlorobenzene	A	100.0	98.70	1.269258	1.252779		-1.3	20
1,3-Dichlorobenzene	A	100.0	100.8	1.29528	1.305989		0.8	20
1,4-Dichlorobenzene	A	100.0	98.20	1.38166	1.356768		-1.8	20
Dichlorodifluoromethane	A	100.0	99.68	0.3947788	0.3935198		-0.3	20
1,1-Dichloroethane	A	100.0	101.9	0.5075631	0.5174032	0.1	1.9	20
1,2-Dichloroethane	A	100.0	107.0	0.5012854	0.5363521		7.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	1116CCV1.D	Calibration Date:	11/14/11 08:06
Sequence:	1K32108	Injection Date:	11/16/11
Lab Sample ID:	1K32108-CCV1	Injection Time:	10:08

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	100.0	0.2319689	0.23203		0.03	20
cis-1,2-Dichloroethene	A	100.0	100.9	0.293811	0.2965651		0.9	20
trans-1,2-Dichloroethene	A	100.0	97.92	0.2753537	0.2696352		-2.1	20
1,2-Dichloropropane	A	100.0	105.6	0.2621602	0.2769602		5.6	20
1,3-Dichloropropane	A	100.0	94.60	0.8789175	0.8314796		-5.4	20
2,2-Dichloropropane	A	100.0	110.1	0.468017	0.5154447		10.1	20
1,1-Dichloropropene	A	100.0	104.1	0.3997826	0.416084		4.1	20
cis-1,3-Dichloropropene	A	100.0	116.3	0.4232292	0.4922259		16.3	20
trans-1,3-Dichloropropene	A	100.0	109.1	0.8590936	0.9373881		9.1	20
Ethylbenzene	A	100.0	97.37	3.015789	2.93654		-2.6	20
Hexachlorobutadiene	A	100.0	98.31	0.3929051	0.3862775		-1.7	20
2-Hexanone	A	200.0	204.1	0.2966146	0.3026489		2.0	20
Isopropylbenzene	A	100.0	104.3	2.447346	2.551999		4.3	20
p-Isopropyltoluene	A	100.0	106.4	2.082573	2.215076		6.4	20
Methylene chloride	A	100.0	89.34	0.2986985	0.2668586		-10.7	20
Naphthalene	Q	100.0	94.79	1.457475	1.639271		-5.2	20
4-Methyl-2-pentanone	A	200.0	222.8	0.2221103	0.2474831		11.4	20
Methyl t-Butyl Ether	A	100.0	100.7	0.7159006	0.7208439		0.7	20
n-Propylbenzene	A	100.0	99.37	3.122643	3.103019		-0.6	20
Styrene	A	100.0	102.2	1.790112	1.828602		2.2	20
1,1,2,2-Tetrachloroethane	A	100.0	96.17	0.5590463	0.5376465	0.3	-3.8	20
1,1,1,2-Tetrachloroethane	A	100.0	99.92	0.5914371	0.5909783		-0.08	20
Tetrachloroethene	A	100.0	92.88	0.6804183	0.6319548		-7.1	20
Toluene	A	100.0	93.72	1.501259	1.407003		-6.3	20
1,2,3-Trichlorobenzene	A	100.0	104.6	0.7079989	0.7404944		4.6	20
1,2,4-Trichlorobenzene	A	100.0	105.7	0.7651073	0.8089615		5.7	20
1,1,2-Trichloroethane	A	100.0	93.66	0.3956681	0.3705934		-6.3	20
1,1,1-Trichloroethane	A	100.0	103.9	0.5523904	0.5738219		3.9	20
Trichloroethene	A	100.0	103.2	0.3227687	0.3329983		3.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	1116CCV1.D	Calibration Date:	11/14/11 08:06
Sequence:	1K32108	Injection Date:	11/16/11
Lab Sample ID:	1K32108-CCV1	Injection Time:	10:08

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	98.92	0.5241712	0.5185079		-1.1	20
1,2,3-Trichloropropane	A	100.0	95.21	0.232549	0.2214014		-4.8	20
1,3,5-Trimethylbenzene	A	100.0	107.3	2.100907	2.253945		7.3	20
1,2,4-Trimethylbenzene	A	100.0	106.8	2.158114	2.305294		6.8	20
Vinyl chloride	A	100.0	93.64	0.2754288	0.2579148		-6.4	20
Xylenes (total)	A	300.0	299.7	2.450143	2.447327		-0.1	20
Bromofluorobenzene	A	30.00	30.37	1.032455	1.045055		1.2	20
Dibromofluoromethane	A	30.00	30.44	0.2763984	0.2804371		1.5	20
1,2-Dichloroethane-d4	A	30.00	30.52	6.004861E-02	6.108937E-02		1.7	20
Toluene-d8	A	30.00	28.88	2.016453	1.940994		-3.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	1116CCVE.D	Calibration Date:	11/14/11 08:06
Sequence:	1K32110	Injection Date:	11/16/11
Lab Sample ID:	1K32110-CCV1	Injection Time:	21:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	226.8	7.244645E-02	8.216153E-02		13.4	20
Benzene	A	100.0	104.2	1.056816	1.100884		4.2	20
Bromobenzene	A	100.0	98.96	0.6984606	0.6911901		-1.0	20
Bromochloromethane	A	100.0	102.9	0.1461658	0.1503948		2.9	20
Bromodichloromethane	A	100.0	116.0	0.4546675	0.5275809		16.0	20
Bromoform	Q	100.0	101.8	0.4009441	0.4719202	0.1	1.8	20
Bromomethane	A	100.0	104.1	0.1869404	0.1945666		4.1	20
n-Butylbenzene	A	100.0	103.0	1.758716	1.811898		3.0	20
2-Butanone	A	200.0	234.7	0.104829	0.1230045		17.3	20
sec-Butylbenzene	A	100.0	106.1	2.340789	2.484205		6.1	20
tert-Butylbenzene	A	100.0	103.8	1.967444	2.042832		3.8	20
Carbon disulfide	A	100.0	101.6	0.732852	0.7447284		1.6	20
Carbon tetrachloride	A	100.0	113.0	0.4712558	0.5325795		13.0	20
Chlorobenzene	A	100.0	100.9	1.672762	1.688488	0.3	0.9	20
Chloroethane	A	100.0	102.6	0.1712382	0.1757095		2.6	20
Chloroform	A	100.0	105.8	0.5721856	0.6056541		5.8	20
Chloromethane	A	100.0	101.7	0.3266524	0.3322865	0.1	1.7	20
2-Chlorotoluene	A	100.0	98.56	2.09619	2.066118		-1.4	20
4-Chlorotoluene	A	100.0	101.6	2.456705	2.495782		1.6	20
Dibromochloromethane	A	100.0	110.8	0.6030951	0.6681941		10.8	20
1,2-Dibromo-3-chloropropane	Q	100.0	99.70	0.1272134	0.1456143		-0.3	20
1,2-Dibromoethane (EDB)	A	100.0	102.7	0.5420563	0.5569556		2.7	20
Dibromomethane	A	100.0	109.1	0.1958703	0.2137884		9.1	20
1,2-Dichlorobenzene	A	100.0	102.1	1.269258	1.295552		2.1	20
1,3-Dichlorobenzene	A	100.0	101.7	1.29528	1.317155		1.7	20
1,4-Dichlorobenzene	A	100.0	97.43	1.38166	1.3461		-2.6	20
Dichlorodifluoromethane	A	100.0	106.6	0.3947788	0.4207386		6.6	20
1,1-Dichloroethane	A	100.0	103.8	0.5075631	0.5271251	0.1	3.9	20
1,2-Dichloroethane	A	100.0	118.3	0.5012854	0.5930388		18.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	1116CCVE.D	Calibration Date:	11/14/11 08:06
Sequence:	1K32110	Injection Date:	11/16/11
Lab Sample ID:	1K32110-CCV1	Injection Time:	21:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	100.4	0.2319689	0.2328787		0.4	20
cis-1,2-Dichloroethene	A	100.0	102.0	0.293811	0.2998127		2.0	20
trans-1,2-Dichloroethene	A	100.0	97.61	0.2753537	0.2687763		-2.4	20
1,2-Dichloropropane	A	100.0	106.9	0.2621602	0.2802351		6.9	20
1,3-Dichloropropane	A	100.0	103.0	0.8789175	0.9053527		3.0	20
2,2-Dichloropropane	A	100.0	100.8	0.468017	0.4716741		0.8	20
1,1-Dichloropropene	A	100.0	107.8	0.3997826	0.4308069		7.8	20
cis-1,3-Dichloropropene	A	100.0	113.9	0.4232292	0.4820607		13.9	20
trans-1,3-Dichloropropene	A	100.0	110.8	0.8590936	0.9518334		10.8	20
Ethylbenzene	A	100.0	103.1	3.015789	3.109535		3.1	20
Hexachlorobutadiene	A	100.0	100.2	0.3929051	0.3939073		0.3	20
2-Hexanone	A	200.0	222.2	0.2966146	0.3295922		11.1	20
Isopropylbenzene	A	100.0	110.6	2.447346	2.706405		10.6	20
p-Isopropyltoluene	A	100.0	108.2	2.082573	2.254169		8.2	20
Methylene chloride	A	100.0	91.23	0.2986985	0.2725001		-8.8	20
Naphthalene	Q	100.0	100.4	1.457475	1.74037		0.4	20
4-Methyl-2-pentanone	A	200.0	241.0	0.2221103	0.2675909		20.5	20 *
Methyl t-Butyl Ether	A	100.0	102.6	0.7159006	0.7344094		2.6	20
n-Propylbenzene	A	100.0	98.57	3.122643	3.077998		-1.4	20
Styrene	A	100.0	106.5	1.790112	1.90598		6.5	20
1,1,2,2-Tetrachloroethane	A	100.0	97.17	0.5590463	0.5432423	0.3	-2.8	20
1,1,1,2-Tetrachloroethane	A	100.0	106.4	0.5914371	0.6292182		6.4	20
Tetrachloroethene	A	100.0	96.09	0.6804183	0.6538031		-3.9	20
Toluene	A	100.0	94.46	1.501259	1.418083		-5.5	20
1,2,3-Trichlorobenzene	A	100.0	105.1	0.7079989	0.7439533		5.1	20
1,2,4-Trichlorobenzene	A	100.0	108.1	0.7651073	0.8268885		8.1	20
1,1,2-Trichloroethane	A	100.0	98.74	0.3956681	0.3906824		-1.3	20
1,1,1-Trichloroethane	A	100.0	110.0	0.5523904	0.6074374		10.0	20
Trichloroethene	A	100.0	105.4	0.3227687	0.3403164		5.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	1320003
Lab File ID:	1116CCVE.D	Calibration Date:	11/14/11 08:06
Sequence:	1K32110	Injection Date:	11/16/11
Lab Sample ID:	1K32110-CCV1	Injection Time:	21:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	108.4	0.5241712	0.5680787		8.4	20
1,2,3-Trichloropropane	A	100.0	107.6	0.232549	0.250116		7.6	20
1,3,5-Trimethylbenzene	A	100.0	105.8	2.100907	2.22252		5.8	20
1,2,4-Trimethylbenzene	A	100.0	106.2	2.158114	2.29102		6.2	20
Vinyl chloride	A	100.0	97.55	0.2754288	0.2686809		-2.4	20
Xylenes (total)	A	300.0	316.6	2.450143	2.586201		5.6	20
Bromofluorobenzene	A	30.00	30.90	1.032455	1.063389		3.0	20
Dibromofluoromethane	A	30.00	30.84	0.2763984	0.2841543		2.8	20
1,2-Dichloroethane-d4	A	30.00	31.74	6.004861E-02	6.353366E-02		5.8	20
Toluene-d8	A	30.00	28.44	2.016453	1.911925		-5.2	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16023-BLK1 File ID: 1116BLKE.D

Sampled: Prepared: Analyzed: 11/16/11 23:05

Solids: Preparation: 5030B Dilution:

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.313	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16023-BLK1 File ID: 1116BLKE.D

Sampled: Prepared: Analyzed: 11/16/11 23:05

Solids: Preparation: 5030B Dilution:

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.73	99.1	75 - 120	
Dibromofluoromethane	30.00	31.41	105	85 - 115	
1,2-Dichloroethane-d4	30.00	28.78	95.9	70 - 120	
Toluene-d8	30.00	30.29	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K16023-BS1 | File ID: 1116LCSE.D

Sampled: | Prepared: | Analyzed: 11/16/11 21:45

Solids: | Preparation: 5030B | Dilution:

Batch: 1K16023 | Sequence: 1K32110 | Calibration: 1320003 | Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	103	2.50	5.00	10.0	
71-43-2	Benzene	50.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	46.4	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.2	0.250	0.500	1.00	
75-25-2	Bromoform	48.2	0.250	0.500	1.00	
74-83-9	Bromomethane	56.1	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	46.9	0.250	0.500	1.00	
78-93-3	2-Butanone	98.2	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	41.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	48.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.5	0.250	0.500	1.00	
75-00-3	Chloroethane	56.0	0.500	1.00	2.00	
67-66-3	Chloroform	48.0	0.250	0.500	1.00	
74-87-3	Chloromethane	50.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	45.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.0	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	45.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	44.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	46.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	43.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	47.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.8	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	46.5	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K16023-BS1 | File ID: 1116LCSE.D

Sampled: | Prepared: | Analyzed: 11/16/11 21:45

Solids: | Preparation: 5030B | Dilution:

Batch: 1K16023 | Sequence: 1K32110 | Calibration: 1320003 | Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	108	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.0	0.500	1.00	2.00	
91-20-3	Naphthalene	44.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	109	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	50.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	44.9	0.250	0.500	1.00	
100-42-5	Styrene	51.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	46.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.2	0.250	0.500	1.00	
108-88-3	Toluene	48.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.1	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	47.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	47.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	157	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.23	104	75 - 120	
Dibromofluoromethane	30.00	29.66	98.9	85 - 115	
1,2-Dichloroethane-d4	30.00	30.00	100	70 - 120	
Toluene-d8	30.00	30.64	102	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16023-BSD1 File ID: 1116LCDE.D

Sampled: Prepared: Analyzed: 11/17/11 09:27

Solids: Preparation: 5030B Dilution:

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	105	2.50	5.00	10.0	
71-43-2	Benzene	51.7	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.4	0.250	0.500	1.00	
75-25-2	Bromoform	46.4	0.250	0.500	1.00	
74-83-9	Bromomethane	60.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.4	0.250	0.500	1.00	
78-93-3	2-Butanone	104	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.2	0.250	0.500	1.00	
75-00-3	Chloroethane	55.6	0.500	1.00	2.00	
67-66-3	Chloroform	52.6	0.250	0.500	1.00	
74-87-3	Chloromethane	55.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	42.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	47.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	35.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.4	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16023-BSD1 File ID: 1116LCDE.D

Sampled: Prepared: Analyzed: 11/17/11 09:27

Solids: Preparation: 5030B Dilution:

Batch: 1K16023 Sequence: 1K32110 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	99.1	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.3	0.500	1.00	2.00	
91-20-3	Naphthalene	43.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	106	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	50.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.8	0.250	0.500	1.00	
100-42-5	Styrene	50.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	45.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	46.4	0.250	0.500	1.00	
108-88-3	Toluene	48.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.7	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	50.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	49.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.3	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	52.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	53.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	61.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	156	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.69	106	75 - 120	
Dibromofluoromethane	30.00	31.03	103	85 - 115	
1,2-Dichloroethane-d4	30.00	28.61	95.4	70 - 120	
Toluene-d8	30.00	29.36	97.9	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16026-BLK1 File ID: 1116BLK1.D

Sampled: Prepared: Analyzed: 11/16/11 11:56

Solids: Preparation: 5030B Dilution:

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.253	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16026-BLK1 File ID: 1116BLK1.D

Sampled: Prepared: Analyzed: 11/16/11 11:56

Solids: Preparation: 5030B Dilution:

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.76	99.2	75 - 120	
Dibromofluoromethane	30.00	30.41	101	85 - 115	
1,2-Dichloroethane-d4	30.00	33.34	111	70 - 120	
Toluene-d8	30.00	29.32	97.7	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K16026-BS1 | File ID: 1116LCS1.D

Sampled: | Prepared: | Analyzed: 11/16/11 10:36

Solids: | Preparation: 5030B | Dilution:

Batch: 1K16026 | Sequence: 1K32108 | Calibration: 1320003 | Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.2	2.50	5.00	10.0	
71-43-2	Benzene	52.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.0	0.250	0.500	1.00	
75-25-2	Bromoform	48.2	0.250	0.500	1.00	
74-83-9	Bromomethane	55.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.6	0.250	0.500	1.00	
78-93-3	2-Butanone	104	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.9	0.250	0.500	1.00	
75-00-3	Chloroethane	55.7	0.500	1.00	2.00	
67-66-3	Chloroform	49.6	0.250	0.500	1.00	
74-87-3	Chloromethane	49.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	43.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	47.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	50.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16026-BS1 File ID: 1116LCS1.D

Sampled: Prepared: Analyzed: 11/16/11 10:36

Solids: Preparation: 5030B Dilution:

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	102	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.1	0.500	1.00	2.00	
91-20-3	Naphthalene	45.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	106	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.0	0.250	0.500	1.00	
100-42-5	Styrene	52.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.8	0.250	0.500	1.00	
108-88-3	Toluene	51.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	52.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.8	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	46.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	58.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	157	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.99	100	75 - 120	
Dibromofluoromethane	30.00	29.55	98.5	85 - 115	
1,2-Dichloroethane-d4	30.00	31.04	103	70 - 120	
Toluene-d8	30.00	30.16	101	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16026-BSD1 File ID: 1116LCD1.D

Sampled: Prepared: Analyzed: 11/16/11 20:25

Solids: Preparation: 5030B Dilution:

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	114	2.50	5.00	10.0	
71-43-2	Benzene	49.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.3	0.250	0.500	1.00	
75-25-2	Bromoform	47.2	0.250	0.500	1.00	
74-83-9	Bromomethane	51.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.3	0.250	0.500	1.00	
78-93-3	2-Butanone	114	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	42.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.8	0.250	0.500	1.00	
75-00-3	Chloroethane	52.8	0.500	1.00	2.00	
67-66-3	Chloroform	53.0	0.250	0.500	1.00	
74-87-3	Chloromethane	51.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.8	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	51.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.2	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	46.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	45.4	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K16026-BSD1 File ID: 1116LCD1.D

Sampled: Prepared: Analyzed: 11/16/11 20:25

Solids: Preparation: 5030B Dilution:

Batch: 1K16026 Sequence: 1K32108 Calibration: 1320003 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	111	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	49.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.3	0.500	1.00	2.00	
91-20-3	Naphthalene	46.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	120	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.7	0.250	0.500	1.00	
100-42-5	Styrene	49.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.6	0.250	0.500	1.00	
108-88-3	Toluene	46.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.1	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	49.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	48.8	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	51.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	152	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.58	105	75 - 120	
Dibromofluoromethane	30.00	31.63	105	85 - 115	
1,2-Dichloroethane-d4	30.00	32.51	108	70 - 120	
Toluene-d8	30.00	28.77	95.9	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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
GW0291	11/07/11 10:10	11/08/11 08:20	11/16/11 00:00	N/A	14.00	11/16/11 17:45	9.27	14.00	
GW0301	11/07/11 10:42	11/08/11 08:20	11/16/11 00:00	N/A	14.00	11/16/11 18:11	9.27	14.00	
GW0302	11/07/11 13:13	11/08/11 08:20	11/16/11 00:00	N/A	14.00	11/16/11 18:38	9.18	14.00	
GW8139-TB	11/07/11 08:00	11/08/11 08:20	11/16/11 00:00	N/A	14.00	11/16/11 12:50	9.16	14.00	
GW0303	11/08/11 10:35	11/09/11 08:15	11/16/11 00:00	N/A	14.00	11/16/11 19:05	8.31	14.00	
GW0327	11/08/11 10:31	11/09/11 08:15	11/16/11 00:00	N/A	14.00	11/16/11 19:31	8.33	14.00	
GW0330	11/07/11 14:52	11/09/11 08:15	11/16/11 00:00	N/A	14.00	11/16/11 19:58	9.17	14.00	
GW8034-AB	11/08/11 10:35	11/09/11 08:15	11/16/11 00:00	N/A	14.00	11/16/11 13:17	8.07	14.00	
GW8140-TB	11/08/11 08:00	11/09/11 08:15	11/16/11 00:00	N/A	14.00	11/16/11 13:44	8.20	14.00	
GW0269	11/08/11 14:26	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/17/11 01:18	8.41	14.00	
GW0318	11/09/11 11:16	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/17/11 01:45	7.56	14.00	
GW0319	11/09/11 13:53	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/17/11 02:11	7.47	14.00	
GW0328	11/08/11 14:31	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/17/11 02:38	8.46	14.00	
GW0329	11/08/11 14:31	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/17/11 03:04	8.48	14.00	
GW0362	11/09/11 11:00	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/17/11 03:31	7.65	14.00	
GW8141-TB	11/09/11 08:00	11/10/11 08:20	11/16/11 00:00	N/A	14.00	11/16/11 23:58	7.62	14.00	
GW0258	11/10/11 10:13	11/11/11 08:35	11/16/11 00:00	N/A	14.00	11/17/11 05:17	6.75	14.00	
GW0333	11/10/11 13:08	11/11/11 08:35	11/16/11 00:00	N/A	14.00	11/17/11 05:44	6.65	14.00	
GW0361	11/10/11 10:20	11/11/11 08:35	11/16/11 00:00	N/A	14.00	11/17/11 06:10	6.78	14.00	
GW0363	11/09/11 14:22	11/11/11 08:35	11/16/11 00:00	N/A	14.00	11/17/11 06:37	7.64	14.00	
GW0364	11/09/11 14:22	11/11/11 08:35	11/16/11 00:00	N/A	14.00	11/17/11 07:04	7.65	14.00	
GW8142-TB	11/10/11 08:00	11/11/11 08:35	11/16/11 00:00	N/A	14.00	11/17/11 00:25	6.64	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01	File ID:	1109101.D
Sampled:	11/07/11 10:10	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 16:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, U
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	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01	File ID:	1109101.D
Sampled:	11/07/11 10:10	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 16:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	24.34	51.6	50 - 110	
2-Fluorophenol	94.34	11.01	11.7	20 - 110	*
Nitrobenzene-d5	47.17	22.53	47.8	40 - 110	
Phenol-d6	94.34	8.920	9.45	0 - 110	
Terphenyl-d14	47.17	28.45	60.3	50 - 135	
2,4,6-Tribromophenol	94.34	32.91	34.9	40 - 125	*

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01RE1	File ID:	1109101R.D
Sampled:	11/07/11 10:10	Prepared:	11/18/11 09:58	Analyzed:	11/24/11 00:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K17001 Sequence: 1K33208 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	H2, X, U
83-32-9	Acenaphthene		1.18	2.36	4.72	H2, U
208-96-8	Acenaphthylene		1.18	2.36	4.72	H2, U
98-86-2	Acetophenone		1.18	2.36	4.72	H2, U
120-12-7	Anthracene		1.18	2.36	4.72	H2, U
1912-24-9	Atrazine		1.18	2.36	4.72	H2, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	H2, U
92-87-5	Benzidine		11.8	23.6	47.2	H2, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	H2, U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	H2, U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	H2, X, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	H2, U
65-85-0	Benzoic acid		11.8	23.6	47.2	H2, U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	H2, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	H2, U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	H2, U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	H2, U
105-60-2	Caprolactam		1.18	2.36	4.72	H2, Q, U
86-74-8	Carbazole		1.18	2.36	4.72	H2, U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	H2, U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	H2, U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	H2, Y, U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	H2, Q, U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	H2, Y, U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	H2, U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	H2, Q, U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	H2, Q, X, U
218-01-9	Chrysene		1.18	2.36	4.72	H2, U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	H2, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	H2, U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	H2, U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	H2, Q, U
84-66-2	Diethylphthalate		1.18	2.36	4.72	H2, U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	H2, Q, U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	H2, U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	H2, X, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	H2, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	H2, U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	H2, U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	H2, U

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01RE1	File ID:	1109101R.D
Sampled:	11/07/11 10:10	Prepared:	11/18/11 09:58	Analyzed:	11/24/11 00:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K17001 Sequence: 1K33208 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	H2, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	H2, U
206-44-0	Fluoranthene		1.18	2.36	4.72	H2, U
86-73-7	Fluorene		1.18	2.36	4.72	H2, U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	H2, U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	H2, Q, X, U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	H2, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	H2, Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	H2, U
78-59-1	Isophorone		1.18	2.36	4.72	H2, U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	H2, U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	H2, U
95-48-7	2-Methylphenol		1.18	2.36	4.72	Q, H2, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	H2, U
91-20-3	Naphthalene		1.18	2.36	4.72	H2, U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	H2, X, U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	H2, X, U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	X, H2, Q, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	H2, U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	H2, X, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	H2, Q, U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	H2, U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	H2, U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	H2, U
85-01-8	Phenanthrene		1.18	2.36	4.72	H2, U
108-95-2	Phenol		1.18	2.36	4.72	H2, U
129-00-0	Pyrene		1.18	2.36	4.72	H2, U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	H2, X, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	H2, X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	34.77	73.7	50 - 110	H2
2-Fluorophenol	94.34	21.06	22.3	20 - 110	H2
Nitrobenzene-d5	47.17	39.01	82.7	40 - 110	H2
Phenol-d6	94.34	11.38	12.1	0 - 110	H2, Y
Terphenyl-d14	47.17	32.53	69.0	50 - 135	H2
2,4,6-Tribromophenol	94.34	71.56	75.9	40 - 125	H2

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03	File ID:	1109103.D
Sampled:	11/07/11 10:42	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	X, U
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	Y, U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03	File ID:	1109103.D
Sampled:	11/07/11 10:42	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	21.99	47.1	50 - 110	*
2-Fluorophenol	93.46	13.17	14.1	20 - 110	*
Nitrobenzene-d5	46.73	21.99	47.1	40 - 110	
Phenol-d6	93.46	8.688	9.30	0 - 110	
Terphenyl-d14	46.73	26.62	57.0	50 - 135	
2,4,6-Tribromophenol	93.46	43.32	46.3	40 - 125	

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05	File ID:	1109105.D
Sampled:	11/07/11 13:13	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 17:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, U
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	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05	File ID:	1109105.D
Sampled:	11/07/11 13:13	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 17:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	20.85	44.2	50 - 110	*
2-Fluorophenol	94.34	15.52	16.4	20 - 110	*
Nitrobenzene-d5	47.17	21.59	45.8	40 - 110	
Phenol-d6	94.34	9.053	9.60	0 - 110	
Terphenyl-d14	47.17	27.37	58.0	50 - 135	
2,4,6-Tribromophenol	94.34	51.29	54.4	40 - 125	

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01	File ID:	1109301.D
Sampled:	11/08/11 10:35	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 17:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	X, U
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	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01	File ID:	1109301.D
Sampled:	11/08/11 10:35	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 17:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	21.65	45.9	50 - 110	*
2-Fluorophenol	94.34	16.49	17.5	20 - 110	*
Nitrobenzene-d5	47.17	21.00	44.5	40 - 110	
Phenol-d6	94.34	9.095	9.64	0 - 110	
Terphenyl-d14	47.17	27.93	59.2	50 - 135	
2,4,6-Tribromophenol	94.34	49.29	52.3	40 - 125	

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03	File ID:	1109303.D
Sampled:	11/08/11 10:31	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 18:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, U
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	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03	File ID:	1109303.D
Sampled:	11/08/11 10:31	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 18:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	24.34	49.7	50 - 110	*
2-Fluorophenol	98.04	18.60	19.0	20 - 110	*
Nitrobenzene-d5	49.02	23.92	48.8	40 - 110	
Phenol-d6	98.04	11.32	11.5	0 - 110	
Terphenyl-d14	49.02	29.88	60.9	50 - 135	
2,4,6-Tribromophenol	98.04	57.92	59.1	40 - 125	

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05	File ID:	1109305D.D
Sampled:	11/07/11 14:52	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 18:59
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		6.01	12.0	24.0	X, U
83-32-9	Acenaphthene		6.01	12.0	24.0	U
208-96-8	Acenaphthylene		6.01	12.0	24.0	U
98-86-2	Acetophenone		6.01	12.0	24.0	U
120-12-7	Anthracene		6.01	12.0	24.0	U
1912-24-9	Atrazine		6.01	12.0	24.0	U
100-52-7	Benzaldehyde		6.01	12.0	24.0	Y, U
92-87-5	Benzidine		60.1	120	240	U
56-55-3	Benzo(a)anthracene		6.01	12.0	24.0	U
50-32-8	Benzo(a)pyrene		6.01	12.0	24.0	U
205-99-2	Benzo(b)fluoranthene		6.01	12.0	24.0	U
191-24-2	Benzo(g,h,i)perylene		6.01	12.0	24.0	U
65-85-0	Benzoic acid		60.1	120	240	U
207-08-9	Benzo(k)fluoranthene		6.01	12.0	24.0	U
92-52-4	1,1-Biphenyl		6.01	12.0	24.0	U
101-55-3	4-Bromophenyl-phenylether		6.01	12.0	24.0	U
85-68-7	Butylbenzylphthalate		6.01	12.0	24.0	U
105-60-2	Caprolactam		6.01	12.0	24.0	Q, U
86-74-8	Carbazole		6.01	12.0	24.0	U
59-50-7	4-Chloro-3-methylphenol		6.01	12.0	24.0	U
106-47-8	4-Chloroaniline		6.01	12.0	24.0	U
111-91-1	Bis(2-chloroethoxy)methane		6.01	12.0	24.0	U
111-44-4	Bis(2-chloroethyl)ether		6.01	12.0	24.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		6.01	12.0	24.0	U
91-58-7	2-Chloronaphthalene		6.01	12.0	24.0	U
95-57-8	2-Chlorophenol		6.01	12.0	24.0	U
7005-72-3	4-Chlorophenyl phenyl ether		6.01	12.0	24.0	U
218-01-9	Chrysene		6.01	12.0	24.0	U
53-70-3	Dibenz(a,h)anthracene		6.01	12.0	24.0	U
132-64-9	Dibenzofuran		6.01	12.0	24.0	U
84-74-2	Di-n-butylphthalate		6.01	12.0	24.0	U
120-83-2	2,4-Dichlorophenol		6.01	12.0	24.0	U
84-66-2	Diethylphthalate		6.01	12.0	24.0	U
105-67-9	2,4-Dimethylphenol		24.0	48.1	96.2	U
131-11-3	Dimethyl phthalate		6.01	12.0	24.0	U
534-52-1	4,6-Dinitro-2-methylphenol		24.0	48.1	96.2	U
51-28-5	2,4-Dinitrophenol		4.81	120	240	X, U
121-14-2	2,4-Dinitrotoluene		6.01	12.0	24.0	U
606-20-2	2,6-Dinitrotoluene		6.01	12.0	24.0	U
117-84-0	Di-n-octylphthalate		6.01	12.0	24.0	U

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05	File ID:	1109305D.D
Sampled:	11/07/11 14:52	Prepared:	11/10/11 10:38	Analyzed:	11/16/11 18:59
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		6.01	12.0	24.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		6.01	12.0	24.0	U
206-44-0	Fluoranthene		6.01	12.0	24.0	U
86-73-7	Fluorene		6.01	12.0	24.0	U
118-74-1	Hexachlorobenzene		6.01	12.0	24.0	U
87-68-3	Hexachlorobutadiene		6.01	12.0	24.0	U
77-47-4	Hexachlorocyclopentadiene		6.01	12.0	24.0	U
67-72-1	Hexachloroethane		6.01	12.0	24.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		6.01	12.0	24.0	U
78-59-1	Isophorone		6.01	12.0	24.0	U
90-12-0	1-Methylnaphthalene		6.01	12.0	24.0	U
91-57-6	2-Methylnaphthalene		6.01	12.0	24.0	U
95-48-7	2-Methylphenol		6.01	12.0	24.0	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		6.01	12.0	24.0	U
91-20-3	Naphthalene		6.01	12.0	24.0	U
100-01-6	4-Nitroaniline		24.0	48.1	96.2	U
99-09-2	3-Nitroaniline		24.0	48.1	96.2	U
88-74-4	2-Nitroaniline		24.0	48.1	96.2	U
98-95-3	Nitrobenzene		6.01	12.0	24.0	U
100-02-7	4-Nitrophenol		24.0	48.1	96.2	U
88-75-5	2-Nitrophenol		6.01	12.0	24.0	U
86-30-6	N-Nitrosodiphenylamine		6.01	12.0	24.0	U
621-64-7	N-Nitroso-di-n-propylamine		6.01	12.0	24.0	U
87-86-5	Pentachlorophenol		24.0	48.1	96.2	U
85-01-8	Phenanthrene		6.01	12.0	24.0	U
108-95-2	Phenol		6.01	12.0	24.0	U
129-00-0	Pyrene		6.01	12.0	24.0	U
88-06-2	2,4,6-Trichlorophenol		6.01	12.0	24.0	U
95-95-4	2,4,5-Trichlorophenol		6.01	12.0	24.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	29.05	60.4	50 - 110	
2-Fluorophenol	96.15	17.74	18.4	20 - 110	*
Nitrobenzene-d5	48.08	25.99	54.1	40 - 110	
Phenol-d6	96.15	12.50	13.0	0 - 110	
Terphenyl-d14	48.08	29.69	61.8	50 - 135	
2,4,6-Tribromophenol	96.15	50.35	52.4	40 - 125	

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	1110401.D
Sampled:	11/08/11 14:26	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 16:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	Y, U
100-52-7	Benzaldehyde		1.20	2.40	4.81	Y, U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, X, U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, U

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	1110401.D
Sampled:	11/08/11 14:26	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 16:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	X, U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	39.35	81.8	50 - 110	
2-Fluorophenol	96.15	31.89	33.2	20 - 110	
Nitrobenzene-d5	48.08	36.88	76.7	40 - 110	
Phenol-d6	96.15	18.48	19.2	0 - 110	
Terphenyl-d14	48.08	45.90	95.5	50 - 135	
2,4,6-Tribromophenol	96.15	92.12	95.8	40 - 125	

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	1110403.D
Sampled:	11/09/11 11:16	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 17:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 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	Y, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, X, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	X, U

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	1110403.D
Sampled:	11/09/11 11:16	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 17:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 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	X, U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	38.38	81.4	50 - 110	
2-Fluorophenol	94.34	29.62	31.4	20 - 110	
Nitrobenzene-d5	47.17	34.29	72.7	40 - 110	
Phenol-d6	94.34	16.44	17.4	0 - 110	
Terphenyl-d14	47.17	45.54	96.5	50 - 135	
2,4,6-Tribromophenol	94.34	81.17	86.0	40 - 125	

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	1110405.D
Sampled:	11/09/11 13:53	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 17:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 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	Y, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, X, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	X, U

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	1110405.D
Sampled:	11/09/11 13:53	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 17:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 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	X, U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	41.46	87.9	50 - 110	
2-Fluorophenol	94.34	31.34	33.2	20 - 110	
Nitrobenzene-d5	47.17	36.80	78.0	40 - 110	
Phenol-d6	94.34	18.06	19.1	0 - 110	
Terphenyl-d14	47.17	46.40	98.4	50 - 135	
2,4,6-Tribromophenol	94.34	74.29	78.8	40 - 125	

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	1110407.D
Sampled:	11/08/11 14:31	Prepared:	11/14/11 10:30	Analyzed:	11/23/11 14:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	Y, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, X, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	X, U

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	1110407.D
Sampled:	11/08/11 14:31	Prepared:	11/14/11 10:30	Analyzed:	11/23/11 14:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	X, U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	41.59	88.2	50 - 110	
2-Fluorophenol	94.34	30.92	32.8	20 - 110	
Nitrobenzene-d5	47.17	39.08	82.8	40 - 110	
Phenol-d6	94.34	18.01	19.1	0 - 110	
Terphenyl-d14	47.17	46.14	97.8	50 - 135	
2,4,6-Tribromophenol	94.34	79.27	84.0	40 - 125	X

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	1110409.D
Sampled:	11/08/11 14:31	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	Y, U
100-52-7	Benzaldehyde		1.17	2.34	4.67	Y, U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, X, U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	X, U

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	1110409.D
Sampled:	11/08/11 14:31	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	X, U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	37.61	80.5	50 - 110	
2-Fluorophenol	93.46	24.06	25.7	20 - 110	
Nitrobenzene-d5	46.73	35.51	76.0	40 - 110	
Phenol-d6	93.46	15.14	16.2	0 - 110	
Terphenyl-d14	46.73	42.64	91.3	50 - 135	
2,4,6-Tribromophenol	93.46	61.70	66.0	40 - 125	

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	1110411.D
Sampled:	11/09/11 11:00	Prepared:	11/14/11 10:30	Analyzed:	11/23/11 14:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	Y, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, X, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	X, U

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	1110411.D
Sampled:	11/09/11 11:00	Prepared:	11/14/11 10:30	Analyzed:	11/23/11 14:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	X, U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	30.53	64.7	50 - 110	
2-Fluorophenol	94.34	25.61	27.2	20 - 110	
Nitrobenzene-d5	47.17	28.45	60.3	40 - 110	
Phenol-d6	94.34	13.89	14.7	0 - 110	
Terphenyl-d14	47.17	39.48	83.7	50 - 135	
2,4,6-Tribromophenol	94.34	76.24	80.8	40 - 125	X

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	1110901.D
Sampled:	11/10/11 10:13	Prepared:	11/14/11 10:30	Analyzed:	11/23/11 15:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	S, U
1912-24-9	Atrazine		1.18	2.36	4.72	S, Y, U
100-52-7	Benzaldehyde		1.18	2.36	4.72	Y, U
92-87-5	Benzidine		11.8	23.6	47.2	U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	S, U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	X, Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	S, 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	S, 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	S, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	X, U

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	1110901.D
Sampled:	11/10/11 10:13	Prepared:	11/14/11 10:30	Analyzed:	11/23/11 15:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	S, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	X, U
206-44-0	Fluoranthene		1.18	2.36	4.72	S, U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	S, U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	S, 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	S, U
85-01-8	Phenanthrene		1.18	2.36	4.72	S, U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	35.85	76.0	50 - 110	
2-Fluorophenol	94.34	29.21	31.0	20 - 110	
Nitrobenzene-d5	47.17	32.44	68.8	40 - 110	
Phenol-d6	94.34	15.74	16.7	0 - 110	
Terphenyl-d14	47.17	41.00	86.9	50 - 135	
2,4,6-Tribromophenol	94.34	79.19	83.9	40 - 125	S, X

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	1110903.D
Sampled:	11/10/11 13:08	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 20:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Y, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, X, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	X, U

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	1110903.D
Sampled:	11/10/11 13:08	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 20:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 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	X, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.44	74.3	50 - 110	
2-Fluorophenol	98.04	29.30	29.9	20 - 110	
Nitrobenzene-d5	49.02	34.26	69.9	40 - 110	
Phenol-d6	98.04	17.78	18.1	0 - 110	
Terphenyl-d14	49.02	44.37	90.5	50 - 135	
2,4,6-Tribromophenol	98.04	89.60	91.4	40 - 125	

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	1110905.D
Sampled:	11/10/11 10:20	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 21:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	Y, U
100-52-7	Benzaldehyde		1.20	2.40	4.81	Y, U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, X, U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, U

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	1110905.D
Sampled:	11/10/11 10:20	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 21:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	X, U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	38.04	79.1	50 - 110	
2-Fluorophenol	96.15	29.57	30.8	20 - 110	
Nitrobenzene-d5	48.08	34.19	71.1	40 - 110	
Phenol-d6	96.15	16.93	17.6	0 - 110	
Terphenyl-d14	48.08	39.99	83.2	50 - 135	
2,4,6-Tribromophenol	96.15	79.88	83.1	40 - 125	

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	1110907.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 21:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	Y, U
100-52-7	Benzaldehyde		1.17	2.34	4.67	Y, U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, X, U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	X, U

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	1110907.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 21:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	X, U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	35.82	76.7	50 - 110	
2-Fluorophenol	93.46	27.54	29.5	20 - 110	
Nitrobenzene-d5	46.73	33.04	70.7	40 - 110	
Phenol-d6	93.46	15.07	16.1	0 - 110	
Terphenyl-d14	46.73	42.65	91.3	50 - 135	
2,4,6-Tribromophenol	93.46	80.67	86.3	40 - 125	

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	1110909.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 22:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	Y, U
100-52-7	Benzaldehyde		1.17	2.34	4.67	Y, U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, X, U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	X, U

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	1110909.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 10:30	Analyzed:	11/22/11 22:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14001 Sequence: 1K32715 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	X, U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	36.15	77.4	50 - 110	
2-Fluorophenol	93.46	28.00	30.0	20 - 110	
Nitrobenzene-d5	46.73	33.42	71.5	40 - 110	
Phenol-d6	93.46	15.65	16.7	0 - 110	
Terphenyl-d14	46.73	40.36	86.4	50 - 135	
2,4,6-Tribromophenol	93.46	81.92	87.7	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32215	Instrument:	MS-BNA1
		Calibration:	1314005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K32215-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/16/11 11:45		
2-Fluorobiphenyl	50.00	104	80 - 120	8.492	8.492	0.0000	+/-0.500	
2-Fluorophenol	100.0	87.6	80 - 120	3.865	3.865	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	99.4	80 - 120	6.183	6.183	0.0000	+/-0.500	
Phenol-d6	100.0	83.4	80 - 120	5.052	5.052	0.0000	+/-0.500	
Terphenyl-d14	50.00	99.6	80 - 120	13.113	13.113	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	105	80 - 120	10.277	10.277	0.0000	+/-0.500	
Blank (1K10001-BLK1) ug/L				Lab File ID: K10001B1.D		Analyzed: 11/16/11 14:51		
2-Fluorobiphenyl	50.00	55.9	50 - 110	8.482	8.492	-0.0100	+/-0.500	
2-Fluorophenol	100.0	22.6	20 - 110	3.855	3.865	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	55.6	40 - 110	6.179	6.183	-0.0040	+/-0.500	
Phenol-d6	100.0	12.7	0 - 110	5.022	5.052	-0.0300	+/-0.500	
Terphenyl-d14	50.00	62.9	50 - 135	13.111	13.113	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	62.7	40 - 125	10.272	10.277	-0.0050	+/-0.500	
LCS (1K10001-BS1) ug/L				Lab File ID: K10001L1.D		Analyzed: 11/16/11 15:23		
2-Fluorobiphenyl	50.00	65.3	50 - 110	8.484	8.492	-0.0080	+/-0.500	
2-Fluorophenol	100.0	25.7	20 - 110	3.865	3.865	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	62.5	40 - 110	6.182	6.183	-0.0010	+/-0.500	
Phenol-d6	100.0	15.5	0 - 110	5.032	5.052	-0.0200	+/-0.500	
Terphenyl-d14	50.00	70.0	50 - 135	13.115	13.113	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	71.5	40 - 125	10.28	10.277	0.0030	+/-0.500	
GW0291 (1111091-01) ug/L				Lab File ID: 1109101.D		Analyzed: 11/16/11 16:25		
2-Fluorobiphenyl	47.17	51.6	50 - 110	8.48	8.492	-0.0120	+/-0.500	
2-Fluorophenol	94.34	11.7	20 - 110	3.855	3.865	-0.0100	+/-0.500	*
Nitrobenzene-d5	47.17	47.8	40 - 110	6.178	6.183	-0.0050	+/-0.500	
Phenol-d6	94.34	9.45	0 - 110	5.021	5.052	-0.0310	+/-0.500	
Terphenyl-d14	47.17	60.3	50 - 135	13.109	13.113	-0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	34.9	40 - 125	10.269	10.277	-0.0080	+/-0.500	*
GW0301 (1111091-03) ug/L				Lab File ID: 1109103.D		Analyzed: 11/16/11 16:56		
2-Fluorobiphenyl	46.73	47.1	50 - 110	8.48	8.492	-0.0120	+/-0.500	*
2-Fluorophenol	93.46	14.1	20 - 110	3.855	3.865	-0.0100	+/-0.500	*
Nitrobenzene-d5	46.73	47.1	40 - 110	6.177	6.183	-0.0060	+/-0.500	
Phenol-d6	93.46	9.30	0 - 110	5.021	5.052	-0.0310	+/-0.500	
Terphenyl-d14	46.73	57.0	50 - 135	13.107	13.113	-0.0060	+/-0.500	
2,4,6-Tribromophenol	93.46	46.3	40 - 125	10.269	10.277	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32215	Instrument:	MS-BNA1
		Calibration:	1314005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0302 (1111091-05) ug/L				Lab File ID: 1109105.D		Analyzed: 11/16/11 17:26		
2-Fluorobiphenyl	47.17	44.2	50 - 110	8.48	8.492	-0.0120	+/-0.500	*
2-Fluorophenol	94.34	16.4	20 - 110	3.854	3.865	-0.0110	+/-0.500	*
Nitrobenzene-d5	47.17	45.8	40 - 110	6.177	6.183	-0.0060	+/-0.500	
Phenol-d6	94.34	9.60	0 - 110	5.02	5.052	-0.0320	+/-0.500	
Terphenyl-d14	47.17	58.0	50 - 135	13.109	13.113	-0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	54.4	40 - 125	10.267	10.277	-0.0100	+/-0.500	
GW0303 (1111093-01) ug/L				Lab File ID: 1109301.D		Analyzed: 11/16/11 17:57		
2-Fluorobiphenyl	47.17	45.9	50 - 110	8.478	8.492	-0.0140	+/-0.500	*
2-Fluorophenol	94.34	17.5	20 - 110	3.854	3.865	-0.0110	+/-0.500	*
Nitrobenzene-d5	47.17	44.5	40 - 110	6.176	6.183	-0.0070	+/-0.500	
Phenol-d6	94.34	9.64	0 - 110	5.02	5.052	-0.0320	+/-0.500	
Terphenyl-d14	47.17	59.2	50 - 135	13.104	13.113	-0.0090	+/-0.500	
2,4,6-Tribromophenol	94.34	52.3	40 - 125	10.266	10.277	-0.0110	+/-0.500	
GW0327 (1111093-03) ug/L				Lab File ID: 1109303.D		Analyzed: 11/16/11 18:28		
2-Fluorobiphenyl	49.02	49.7	50 - 110	8.471	8.492	-0.0210	+/-0.500	*
2-Fluorophenol	98.04	19.0	20 - 110	3.856	3.865	-0.0090	+/-0.500	*
Nitrobenzene-d5	49.02	48.8	40 - 110	6.175	6.183	-0.0080	+/-0.500	
Phenol-d6	98.04	11.5	0 - 110	5.025	5.052	-0.0270	+/-0.500	
Terphenyl-d14	49.02	60.9	50 - 135	13.109	13.113	-0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	59.1	40 - 125	10.27	10.277	-0.0070	+/-0.500	
GW0330 (1111093-05) ug/L				Lab File ID: 1109305D.D		Analyzed: 11/16/11 18:59		
2-Fluorobiphenyl	48.08	60.4	50 - 110	8.476	8.492	-0.0160	+/-0.500	
2-Fluorophenol	96.15	18.4	20 - 110	3.855	3.865	-0.0100	+/-0.500	*
Nitrobenzene-d5	48.08	54.1	40 - 110	6.173	6.183	-0.0100	+/-0.500	
Phenol-d6	96.15	13.0	0 - 110	5.024	5.052	-0.0280	+/-0.500	
Terphenyl-d14	48.08	61.8	50 - 135	13.097	13.113	-0.0160	+/-0.500	
2,4,6-Tribromophenol	96.15	52.4	40 - 125	10.264	10.277	-0.0130	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32715	Instrument:	MS-BNA3
		Calibration:	1236001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K32715-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/22/11 12:29		
2-Fluorobiphenyl	50.00	109	80 - 120	9.033	9.033	0.0000	+/-0.500	
2-Fluorophenol	100.0	113	80 - 120	4.348	4.348	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	104	80 - 120	6.725	6.725	0.0000	+/-0.500	
Phenol-d6	100.0	115	80 - 120	5.539	5.539	0.0000	+/-0.500	
Terphenyl-d14	50.00	113	80 - 120	13.91	13.91	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	119	80 - 120	10.849	10.849	0.0000	+/-0.500	
GW0269 (1111104-01) ug/L				Lab File ID: 1110401.D		Analyzed: 11/22/11 16:50		
2-Fluorobiphenyl	48.08	81.8	50 - 110	9.03	9.033	-0.0030	+/-0.500	
2-Fluorophenol	96.15	33.2	20 - 110	4.345	4.348	-0.0030	+/-0.500	
Nitrobenzene-d5	48.08	76.7	40 - 110	6.722	6.725	-0.0030	+/-0.500	
Phenol-d6	96.15	19.2	0 - 110	5.525	5.539	-0.0140	+/-0.500	
Terphenyl-d14	48.08	95.5	50 - 135	13.907	13.91	-0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	95.8	40 - 125	10.841	10.849	-0.0080	+/-0.500	
GW0318 (1111104-03) ug/L				Lab File ID: 1110403.D		Analyzed: 11/22/11 17:23		
2-Fluorobiphenyl	47.17	81.4	50 - 110	9.027	9.033	-0.0060	+/-0.500	
2-Fluorophenol	94.34	31.4	20 - 110	4.342	4.348	-0.0060	+/-0.500	
Nitrobenzene-d5	47.17	72.7	40 - 110	6.719	6.725	-0.0060	+/-0.500	
Phenol-d6	94.34	17.4	0 - 110	5.528	5.539	-0.0110	+/-0.500	
Terphenyl-d14	47.17	96.5	50 - 135	13.904	13.91	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	86.0	40 - 125	10.843	10.849	-0.0060	+/-0.500	
GW0319 (1111104-05) ug/L				Lab File ID: 1110405.D		Analyzed: 11/22/11 17:55		
2-Fluorobiphenyl	47.17	87.9	50 - 110	9.028	9.033	-0.0050	+/-0.500	
2-Fluorophenol	94.34	33.2	20 - 110	4.343	4.348	-0.0050	+/-0.500	
Nitrobenzene-d5	47.17	78.0	40 - 110	6.72	6.725	-0.0050	+/-0.500	
Phenol-d6	94.34	19.1	0 - 110	5.528	5.539	-0.0110	+/-0.500	
Terphenyl-d14	47.17	98.4	50 - 135	13.9	13.91	-0.0100	+/-0.500	
2,4,6-Tribromophenol	94.34	78.8	40 - 125	10.839	10.849	-0.0100	+/-0.500	
GW0329 (1111104-09) ug/L				Lab File ID: 1110409.D		Analyzed: 11/22/11 19:00		
2-Fluorobiphenyl	46.73	80.5	50 - 110	9.029	9.033	-0.0040	+/-0.500	
2-Fluorophenol	93.46	25.7	20 - 110	4.344	4.348	-0.0040	+/-0.500	
Nitrobenzene-d5	46.73	76.0	40 - 110	6.721	6.725	-0.0040	+/-0.500	
Phenol-d6	93.46	16.2	0 - 110	5.524	5.539	-0.0150	+/-0.500	
Terphenyl-d14	46.73	91.3	50 - 135	13.906	13.91	-0.0040	+/-0.500	
2,4,6-Tribromophenol	93.46	66.0	40 - 125	10.84	10.849	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32715	Instrument:	MS-BNA3
		Calibration:	1236001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0333 (1111109-03) ug/L				Lab File ID: 1110903.D		Analyzed: 11/22/11 20:37		
2-Fluorobiphenyl	49.02	74.3	50 - 110	9.028	9.033	-0.0050	+/-0.500	
2-Fluorophenol	98.04	29.9	20 - 110	4.343	4.348	-0.0050	+/-0.500	
Nitrobenzene-d5	49.02	69.9	40 - 110	6.72	6.725	-0.0050	+/-0.500	
Phenol-d6	98.04	18.1	0 - 110	5.529	5.539	-0.0100	+/-0.500	
Terphenyl-d14	49.02	90.5	50 - 135	13.9	13.91	-0.0100	+/-0.500	
2,4,6-Tribromophenol	98.04	91.4	40 - 125	10.844	10.849	-0.0050	+/-0.500	
GW0361 (1111109-05) ug/L				Lab File ID: 1110905.D		Analyzed: 11/22/11 21:10		
2-Fluorobiphenyl	48.08	79.1	50 - 110	9.028	9.033	-0.0050	+/-0.500	
2-Fluorophenol	96.15	30.8	20 - 110	4.343	4.348	-0.0050	+/-0.500	
Nitrobenzene-d5	48.08	71.1	40 - 110	6.72	6.725	-0.0050	+/-0.500	
Phenol-d6	96.15	17.6	0 - 110	5.524	5.539	-0.0150	+/-0.500	
Terphenyl-d14	48.08	83.2	50 - 135	13.9	13.91	-0.0100	+/-0.500	
2,4,6-Tribromophenol	96.15	83.1	40 - 125	10.844	10.849	-0.0050	+/-0.500	
GW0363 (1111109-07) ug/L				Lab File ID: 1110907.D		Analyzed: 11/22/11 21:42		
2-Fluorobiphenyl	46.73	76.7	50 - 110	9.027	9.033	-0.0060	+/-0.500	
2-Fluorophenol	93.46	29.5	20 - 110	4.342	4.348	-0.0060	+/-0.500	
Nitrobenzene-d5	46.73	70.7	40 - 110	6.719	6.725	-0.0060	+/-0.500	
Phenol-d6	93.46	16.1	0 - 110	5.528	5.539	-0.0110	+/-0.500	
Terphenyl-d14	46.73	91.3	50 - 135	13.899	13.91	-0.0110	+/-0.500	
2,4,6-Tribromophenol	93.46	86.3	40 - 125	10.844	10.849	-0.0050	+/-0.500	
GW0364 (1111109-09) ug/L				Lab File ID: 1110909.D		Analyzed: 11/22/11 22:14		
2-Fluorobiphenyl	46.73	77.4	50 - 110	9.03	9.033	-0.0030	+/-0.500	
2-Fluorophenol	93.46	30.0	20 - 110	4.339	4.348	-0.0090	+/-0.500	
Nitrobenzene-d5	46.73	71.5	40 - 110	6.722	6.725	-0.0030	+/-0.500	
Phenol-d6	93.46	16.7	0 - 110	5.525	5.539	-0.0140	+/-0.500	
Terphenyl-d14	46.73	86.4	50 - 135	13.902	13.91	-0.0080	+/-0.500	
2,4,6-Tribromophenol	93.46	87.7	40 - 125	10.841	10.849	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33208	Instrument:	MS-BNA1
		Calibration:	1314005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K33208-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/23/11 13:52		
2-Fluorobiphenyl	50.00	96.3	80 - 120	8.398	8.398	0.0000	+/-0.500	
2-Fluorophenol	100.0	91.3	80 - 120	3.772	3.772	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	110	80 - 120	6.085	6.085	0.0000	+/-0.500	
Phenol-d6	100.0	74.4	80 - 120	4.957	4.957	0.0000	+/-0.500	*
Terphenyl-d14	50.00	102	80 - 120	13.007	13.007	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	108	80 - 120	10.185	10.185	0.0000	+/-0.500	
Blank (1K17001-BLK1) ug/L				Lab File ID: K17001B1.D		Analyzed: 11/23/11 22:29		
2-Fluorobiphenyl	50.00	70.2	50 - 110	8.382	8.398	-0.0160	+/-0.500	
2-Fluorophenol	100.0	26.0	20 - 110	3.765	3.772	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	79.5	40 - 110	6.079	6.085	-0.0060	+/-0.500	
Phenol-d6	100.0	13.5	0 - 110	4.931	4.957	-0.0260	+/-0.500	
Terphenyl-d14	50.00	90.4	50 - 135	12.999	13.007	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	84.4	40 - 125	10.173	10.185	-0.0120	+/-0.500	
LCS (1K17001-BS1) ug/L				Lab File ID: K17001L1.D		Analyzed: 11/23/11 22:59		
2-Fluorobiphenyl	50.00	86.4	50 - 110	8.396	8.398	-0.0020	+/-0.500	
2-Fluorophenol	100.0	38.7	20 - 110	3.766	3.772	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	94.7	40 - 110	6.083	6.085	-0.0020	+/-0.500	
Phenol-d6	100.0	20.0	0 - 110	4.942	4.957	-0.0150	+/-0.500	
Terphenyl-d14	50.00	98.2	50 - 135	13.007	13.007	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	101	40 - 125	10.186	10.185	0.0010	+/-0.500	
LCS Dup (1K17001-BSD1) ug/L				Lab File ID: K17001L2.D		Analyzed: 11/23/11 23:30		
2-Fluorobiphenyl	50.00	69.9	50 - 110	8.394	8.398	-0.0040	+/-0.500	
2-Fluorophenol	100.0	27.5	20 - 110	3.766	3.772	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	71.3	40 - 110	6.082	6.085	-0.0030	+/-0.500	
Phenol-d6	100.0	15.4	0 - 110	4.942	4.957	-0.0150	+/-0.500	
Terphenyl-d14	50.00	88.9	50 - 135	13.001	13.007	-0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	83.9	40 - 125	10.181	10.185	-0.0040	+/-0.500	
GW0291 (1111091-01RE1) ug/L				Lab File ID: 1109101R.D		Analyzed: 11/24/11 00:00		
2-Fluorobiphenyl	47.17	73.7	50 - 110	8.384	8.398	-0.0140	+/-0.500	
2-Fluorophenol	94.34	22.3	20 - 110	3.765	3.772	-0.0070	+/-0.500	
Nitrobenzene-d5	47.17	82.7	40 - 110	6.08	6.085	-0.0050	+/-0.500	
Phenol-d6	94.34	12.1	0 - 110	4.932	4.957	-0.0250	+/-0.500	
Terphenyl-d14	47.17	69.0	50 - 135	13.002	13.007	-0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	75.9	40 - 125	10.177	10.185	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33215	Instrument:	MS-BNA3
		Calibration:	1236001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K33215-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/23/11 11:33		
2-Fluorobiphenyl	50.00	110	80 - 120	9.095	9.095	0.0000	+/-0.500	
2-Fluorophenol	100.0	115	80 - 120	4.41	4.41	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	107	80 - 120	6.793	6.793	0.0000	+/-0.500	
Phenol-d6	100.0	115	80 - 120	5.607	5.607	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	13.983	13.983	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	122	80 - 120	10.912	10.912	0.0000	+/-0.500	*
Blank (1K14001-BLK1) ug/L				Lab File ID: K14001B1.D		Analyzed: 11/23/11 12:07		
2-Fluorobiphenyl	50.00	86.3	50 - 110	9.088	9.095	-0.0070	+/-0.500	
2-Fluorophenol	100.0	35.3	20 - 110	4.403	4.41	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	78.3	40 - 110	6.781	6.793	-0.0120	+/-0.500	
Phenol-d6	100.0	18.5	0 - 110	5.584	5.607	-0.0230	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	13.976	13.983	-0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	95.7	40 - 125	10.905	10.912	-0.0070	+/-0.500	
LCS (1K14001-BS1) ug/L				Lab File ID: K14001L1.D		Analyzed: 11/23/11 12:38		
2-Fluorobiphenyl	50.00	91.1	50 - 110	9.091	9.095	-0.0040	+/-0.500	
2-Fluorophenol	100.0	46.6	20 - 110	4.406	4.41	-0.0040	+/-0.500	
Nitrobenzene-d5	50.00	84.6	40 - 110	6.789	6.793	-0.0040	+/-0.500	
Phenol-d6	100.0	25.5	0 - 110	5.592	5.607	-0.0150	+/-0.500	
Terphenyl-d14	50.00	99.3	50 - 135	13.979	13.983	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	100	40 - 125	10.908	10.912	-0.0040	+/-0.500	
GW0328 (1111104-07) ug/L				Lab File ID: 1110407.D		Analyzed: 11/23/11 14:14		
2-Fluorobiphenyl	47.17	88.2	50 - 110	9.087	9.095	-0.0080	+/-0.500	
2-Fluorophenol	94.34	32.8	20 - 110	4.402	4.41	-0.0080	+/-0.500	
Nitrobenzene-d5	47.17	82.8	40 - 110	6.784	6.793	-0.0090	+/-0.500	
Phenol-d6	94.34	19.1	0 - 110	5.582	5.607	-0.0250	+/-0.500	
Terphenyl-d14	47.17	97.8	50 - 135	13.975	13.983	-0.0080	+/-0.500	
2,4,6-Tribromophenol	94.34	84.0	40 - 125	10.903	10.912	-0.0090	+/-0.500	
GW0362 (1111104-11) ug/L				Lab File ID: 1110411.D		Analyzed: 11/23/11 14:46		
2-Fluorobiphenyl	47.17	64.7	50 - 110	9.09	9.095	-0.0050	+/-0.500	
2-Fluorophenol	94.34	27.2	20 - 110	4.405	4.41	-0.0050	+/-0.500	
Nitrobenzene-d5	47.17	60.3	40 - 110	6.782	6.793	-0.0110	+/-0.500	
Phenol-d6	94.34	14.7	0 - 110	5.585	5.607	-0.0220	+/-0.500	
Terphenyl-d14	47.17	83.7	50 - 135	13.978	13.983	-0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	80.8	40 - 125	10.901	10.912	-0.0110	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33215	Instrument:	MS-BNA3
		Calibration:	1236001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0258 (1111109-01) ug/L				Lab File ID: 1110901.D		Analyzed: 11/23/11 15:17		
2-Fluorobiphenyl	47.17	76.0	50 - 110	9.085	9.095	-0.0100	+/-0.500	
2-Fluorophenol	94.34	31.0	20 - 110	4.4	4.41	-0.0100	+/-0.500	
Nitrobenzene-d5	47.17	68.8	40 - 110	6.783	6.793	-0.0100	+/-0.500	
Phenol-d6	94.34	16.7	0 - 110	5.581	5.607	-0.0260	+/-0.500	
Terphenyl-d14	47.17	86.9	50 - 135	13.973	13.983	-0.0100	+/-0.500	
2,4,6-Tribromophenol	94.34	83.9	40 - 125	10.902	10.912	-0.0100	+/-0.500	
LCS Dup (1K14001-BSD1) ug/L				Lab File ID: K14001L3.D		Analyzed: 11/23/11 15:51		
2-Fluorobiphenyl	50.00	97.5	50 - 110	9.092	9.095	-0.0030	+/-0.500	
2-Fluorophenol	100.0	48.3	20 - 110	4.402	4.41	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	91.7	40 - 110	6.784	6.793	-0.0090	+/-0.500	
Phenol-d6	100.0	28.1	0 - 110	5.588	5.607	-0.0190	+/-0.500	
Terphenyl-d14	50.00	111	50 - 135	13.98	13.983	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	112	40 - 125	10.908	10.912	-0.0040	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K10001	Laboratory ID:	1K10001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	38.16	76.3	20 - 110
Acenaphthene	50.00	33.63	67.3	45 - 110
Acenaphthylene	50.00	31.33	62.7	50 - 105
Acetophenone	50.00	35.45	70.9	50 - 110
Anthracene	50.00	33.13	66.3	55 - 110
Atrazine	50.00	37.57	75.1	70 - 115
Benzaldehyde	50.00	30.42	60.8	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	37.08	74.2	55 - 110
Benzo(a)pyrene	50.00	31.73	63.5	55 - 110
Benzo(b)fluoranthene	50.00	33.38	66.8	45 - 120
Benzo(g,h,i)perylene	50.00	38.52	77.0	40 - 125
Benzoic acid	100.0	17.35	17.4	0 - 125
Benzo(k)fluoranthene	50.00	32.97	65.9	45 - 125
1,1-Biphenyl	50.00	31.21	62.4	50 - 110
4-Bromophenyl-phenylether	50.00	40.40	80.8	50 - 115
Butylbenzylphthalate	50.00	38.51	77.0	45 - 115
Caprolactam	**50.00**	**6.309**	**12.6**	**20 - 110**
Carbazole	50.00	36.66	73.3	50 - 115
4-Chloro-3-methylphenol	100.0	55.18	55.2	45 - 110
4-Chloroaniline	50.00	24.49	49.0	15 - 110
Bis(2-chloroethoxy)methane	50.00	33.06	66.1	45 - 105
Bis(2-chloroethyl)ether	50.00	30.69	61.4	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	29.23	58.5	25 - 130
2-Chloronaphthalene	50.00	29.18	58.4	50 - 105
2-Chlorophenol	100.0	46.26	46.3	35 - 105
4-Chlorophenyl phenyl ether	50.00	39.98	80.0	50 - 110
Chrysene	50.00	36.18	72.4	55 - 110
Dibenz(a,h)anthracene	50.00	37.05	74.1	40 - 125
Dibenzofuran	50.00	35.43	70.9	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K10001	Laboratory ID:	1K10001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Di-n-butylphthalate	50.00	36.97	73.9	55 - 115
2,4-Dichlorophenol	100.0	54.73	54.7	40 - 110
Diethylphthalate	50.00	39.67	79.3	40 - 120
2,4-Dimethylphenol	100.0	53.41	53.4	30 - 110
Dimethyl phthalate	50.00	39.63	79.3	25 - 125
4,6-Dinitro-2-methylphenol	100.0	85.67	85.7	40 - 130
2,4-Dinitrophenol	100.0	82.05	82.1	15 - 140
2,4-Dinitrotoluene	50.00	42.37	84.7	50 - 120
2,6-Dinitrotoluene	50.00	41.07	82.1	50 - 115
Di-n-octylphthalate	50.00	31.76	63.5	35 - 135
1,2-Diphenylhydrazine	50.00	31.29	62.6	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	37.10	74.2	40 - 125
Fluoranthene	50.00	36.83	73.7	55 - 115
Fluorene	50.00	35.02	70.0	50 - 110
Hexachlorobenzene	50.00	39.64	79.3	50 - 110
Hexachlorobutadiene	50.00	28.18	56.4	25 - 105
Hexachlorocyclopentadiene	50.00	21.87	43.7	10 - 110
Hexachloroethane	50.00	20.28	40.6	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	38.39	76.8	45 - 125
Isophorone	50.00	30.27	60.5	50 - 110
1-Methylnaphthalene	50.00	31.87	63.7	30 - 115
2-Methylnaphthalene	50.00	31.96	63.9	45 - 105
2-Methylphenol	**100.0**	**38.66**	**38.7**	**40 - 110**
3-Methylphenol/4-Methylphenol	100.0	34.68	34.7	30 - 110
Naphthalene	50.00	29.02	58.0	40 - 100
4-Nitroaniline	50.00	37.37	74.7	35 - 120
3-Nitroaniline	50.00	28.58	57.2	20 - 125
2-Nitroaniline	50.00	38.51	77.0	50 - 115
Nitrobenzene	50.00	32.77	65.5	30 - 110
4-Nitrophenol	100.0	25.96	26.0	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K10001	Laboratory ID:	1K10001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	69.61	69.6	40 - 115
N-Nitrosodiphenylamine	50.00	26.49	53.0	50 - 110
N-Nitroso-di-n-propylamine	50.00	33.78	67.6	35 - 130
Pentachlorophenol	100.0	83.14	83.1	40 - 115
Phenanthrene	50.00	33.98	68.0	50 - 115
Phenol	100.0	17.20	17.2	0 - 115
Pyrene	50.00	34.66	69.3	50 - 130
2,4,6-Trichlorophenol	100.0	66.05	66.0	50 - 115
2,4,5-Trichlorophenol	100.0	69.13	69.1	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14001	Laboratory ID:	1K14001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	43.71	87.4	45 - 110
Acenaphthylene	50.00	40.22	80.4	50 - 105
Acetophenone	50.00	43.25	86.5	50 - 110
Anthracene	50.00	45.25	90.5	55 - 110
Atrazine	50.00	41.48	83.0	70 - 115
Benzaldehyde	50.00	41.74	83.5	10 - 180
Benzidine	50.00	16.22	32.4	0 - 200
Benzo(a)anthracene	50.00	46.30	92.6	55 - 110
Benzo(a)pyrene	50.00	45.74	91.5	55 - 110
Benzo(b)fluoranthene	50.00	47.56	95.1	45 - 120
Benzo(g,h,i)perylene	50.00	46.75	93.5	40 - 125
Benzoic acid	100.0	15.77	15.8	0 - 125
Benzo(k)fluoranthene	50.00	46.96	93.9	45 - 125
1,1-Biphenyl	50.00	44.47	88.9	50 - 110
4-Bromophenyl-phenylether	50.00	46.76	93.5	50 - 115
Butylbenzylphthalate	**50.00**	**59.61**	**119**	**45 - 115**
Caprolactam	**50.00**	**7.543**	**15.1**	**20 - 110**
Carbazole	50.00	45.70	91.4	50 - 115
4-Chloro-3-methylphenol	100.0	81.52	81.5	45 - 110
4-Chloroaniline	50.00	34.63	69.3	15 - 110
Bis(2-chloroethoxy)methane	50.00	44.51	89.0	45 - 105
Bis(2-chloroethyl)ether	50.00	44.67	89.3	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.15	82.3	25 - 130
2-Chloronaphthalene	50.00	42.58	85.2	50 - 105
2-Chlorophenol	100.0	74.42	74.4	35 - 105
4-Chlorophenyl phenyl ether	50.00	42.07	84.1	50 - 110
Chrysene	50.00	46.77	93.5	55 - 110
Dibenz(a,h)anthracene	50.00	47.01	94.0	40 - 125
Dibenzofuran	50.00	45.37	90.7	55 - 105
Di-n-butylphthalate	50.00	52.47	105	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14001	Laboratory ID:	1K14001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	44.78	89.6	20 - 110
2,4-Dichlorophenol	100.0	78.12	78.1	40 - 110
Diethylphthalate	50.00	51.95	104	40 - 120
2,4-Dimethylphenol	100.0	81.98	82.0	30 - 110
Dimethyl phthalate	50.00	48.44	96.9	25 - 125
4,6-Dinitro-2-methylphenol	100.0	94.12	94.1	40 - 130
2,4-Dinitrophenol	100.0	90.80	90.8	15 - 140
2,4-Dinitrotoluene	50.00	46.42	92.8	50 - 120
2,6-Dinitrotoluene	50.00	44.28	88.6	50 - 115
Di-n-octylphthalate	50.00	59.61	119	35 - 135
1,2-Diphenylhydrazine	50.00	43.01	86.0	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	57.61	115	40 - 125
Fluoranthene	50.00	41.93	83.9	55 - 115
Fluorene	50.00	43.39	86.8	50 - 110
Hexachlorobenzene	50.00	45.45	90.9	50 - 110
Hexachlorobutadiene	50.00	31.15	62.3	25 - 105
Hexachlorocyclopentadiene	50.00	24.83	49.7	10 - 110
Hexachloroethane	50.00	28.57	57.1	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	45.98	92.0	45 - 125
Isophorone	50.00	40.02	80.0	50 - 110
1-Methylnaphthalene	50.00	37.72	75.4	30 - 115
2-Methylnaphthalene	50.00	38.00	76.0	45 - 105
2-Methylphenol	100.0	64.30	64.3	40 - 110
3-Methylphenol/4-Methylphenol	100.0	58.22	58.2	30 - 110
Naphthalene	50.00	38.40	76.8	40 - 100
4-Nitroaniline	50.00	43.48	87.0	35 - 120
3-Nitroaniline	50.00	36.51	73.0	20 - 125
2-Nitroaniline	50.00	44.75	89.5	50 - 115
Nitrobenzene	50.00	40.43	80.9	30 - 110
4-Nitrophenol	100.0	29.89	29.9	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14001	Laboratory ID:	1K14001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	82.48	82.5	40 - 115
N-Nitrosodiphenylamine	50.00	36.78	73.6	50 - 110
N-Nitroso-di-n-propylamine	50.00	46.21	92.4	35 - 130
Pentachlorophenol	100.0	84.71	84.7	40 - 115
Phenanthrene	50.00	46.21	92.4	50 - 115
Phenol	100.0	24.84	24.8	0 - 115
Pyrene	50.00	45.49	91.0	50 - 130
2,4,6-Trichlorophenol	100.0	80.93	80.9	50 - 115
2,4,5-Trichlorophenol	100.0	78.57	78.6	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	46.67	93.3	6.54	30	45 - 110
Acenaphthylene	50.00	42.77	85.5	6.14	30	50 - 105
Acetophenone	50.00	50.06	100	14.6	30	50 - 110
Anthracene	50.00	48.93	97.9	7.83	30	55 - 110
Atrazine	50.00	44.49	89.0	7.00	30	70 - 115
Benzaldehyde	50.00	43.11	86.2	3.23	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	49.83	99.7	7.34	30	55 - 110
Benzo(a)pyrene	50.00	48.96	97.9	6.79	30	55 - 110
Benzo(b)fluoranthene	50.00	52.25	104	9.39	30	45 - 120
Benzo(g,h,i)perylene	50.00	50.06	100	6.82	30	40 - 125
Benzoic acid	100.0	13.89	13.9	12.6	30	0 - 125
Benzo(k)fluoranthene	50.00	50.88	102	8.02	30	45 - 125
1,1-Biphenyl	50.00	46.87	93.7	5.26	30	50 - 110
4-Bromophenyl-phenylether	50.00	50.21	100	7.11	30	50 - 115
Butylbenzylphthalate	**50.00**	**63.58**	**127 ***	**6.46**	**30**	**45 - 115**
Caprolactam	**50.00**	**8.120**	**16.2 ***	**7.36**	**30**	**20 - 110**
Carbazole	50.00	48.95	97.9	6.86	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14001	Laboratory ID:	1K14001-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	100.0	88.82	88.8	8.57	30	45 - 110
4-Chloroaniline	50.00	36.51	73.0	5.28	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	47.65	95.3	6.82	30	45 - 105
Bis(2-chloroethyl)ether	50.00	47.70	95.4	6.56	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	46.44	92.9	12.1	30	25 - 130
2-Chloronaphthalene	50.00	46.54	93.1	8.89	30	50 - 105
2-Chlorophenol	100.0	80.93	80.9	8.38	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.95	89.9	6.62	30	50 - 110
Chrysene	50.00	50.64	101	7.96	30	55 - 110
Dibenz(a,h)anthracene	50.00	49.49	99.0	5.14	30	40 - 125
Dibenzofuran	50.00	48.70	97.4	7.07	30	55 - 105
Di-n-butylphthalate	50.00	57.20	114	8.63	30	55 - 115
3,3'-Dichlorobenzidine	50.00	45.29	90.6	1.14	30	20 - 110
2,4-Dichlorophenol	100.0	82.44	82.4	5.38	30	40 - 110
Diethylphthalate	50.00	55.50	111	6.61	30	40 - 120
2,4-Dimethylphenol	100.0	85.22	85.2	3.87	30	30 - 110
Dimethyl phthalate	50.00	52.17	104	7.41	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	97.22	97.2	3.24	30	40 - 130
2,4-Dinitrophenol	100.0	95.53	95.5	5.09	30	15 - 140
2,4-Dinitrotoluene	50.00	50.25	100	7.93	30	50 - 120
2,6-Dinitrotoluene	50.00	47.71	95.4	7.44	30	50 - 115
Di-n-octylphthalate	50.00	64.30	129	7.58	30	35 - 135
1,2-Diphenylhydrazine	50.00	45.87	91.7	6.43	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	62.04	124	7.40	30	40 - 125
Fluoranthene	50.00	44.87	89.7	6.78	30	55 - 115
Fluorene	50.00	46.39	92.8	6.67	30	50 - 110
Hexachlorobenzene	50.00	48.97	97.9	7.46	30	50 - 110
Hexachlorobutadiene	50.00	31.18	62.4	0.101	30	25 - 105
Hexachlorocyclopentadiene	50.00	25.56	51.1	2.90	30	10 - 110
Hexachloroethane	50.00	32.11	64.2	11.7	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14001	Laboratory ID:	1K14001-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	50.00	49.20	98.4	6.78	30	45 - 125
Isophorone	50.00	43.53	87.1	8.41	30	50 - 110
1-Methylnaphthalene	50.00	41.22	82.4	8.86	30	30 - 115
2-Methylnaphthalene	50.00	41.06	82.1	7.74	30	45 - 105
2-Methylphenol	100.0	73.75	73.8	13.7	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	68.00	68.0	15.5	30	30 - 110
Naphthalene	50.00	40.50	81.0	5.34	30	40 - 100
4-Nitroaniline	50.00	46.90	93.8	7.56	30	35 - 120
3-Nitroaniline	50.00	39.09	78.2	6.81	30	20 - 125
2-Nitroaniline	50.00	48.87	97.7	8.80	30	50 - 115
Nitrobenzene	50.00	42.20	84.4	4.28	30	30 - 110
4-Nitrophenol	100.0	31.15	31.1	4.10	30	0 - 125
2-Nitrophenol	100.0	86.67	86.7	4.96	30	40 - 115
N-Nitrosodiphenylamine	50.00	40.27	80.5	9.06	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	52.94	106	13.6	30	35 - 130
Pentachlorophenol	100.0	91.36	91.4	7.55	30	40 - 115
Phenanthrene	50.00	50.16	100	8.20	30	50 - 115
Phenol	100.0	27.26	27.3	9.29	30	0 - 115
Pyrene	50.00	48.81	97.6	7.04	30	50 - 130
2,4,6-Trichlorophenol	100.0	85.09	85.1	5.01	30	50 - 115
2,4,5-Trichlorophenol	100.0	83.42	83.4	5.98	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K17001	Laboratory ID:	1K17001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	44.73	89.5	20 - 110
Acenaphthene	50.00	43.71	87.4	45 - 110
Acenaphthylene	50.00	39.80	79.6	50 - 105
Acetophenone	50.00	47.22	94.4	50 - 110
Anthracene	50.00	39.18	78.4	55 - 110
Atrazine	50.00	52.82	106	70 - 115
Benzaldehyde	50.00	40.09	80.2	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	49.37	98.7	55 - 110
Benzo(a)pyrene	50.00	51.00	102	55 - 110
Benzo(b)fluoranthene	50.00	54.64	109	45 - 120
Benzo(g,h,i)perylene	50.00	40.44	80.9	40 - 125
Benzoic acid	100.0	18.87	18.9	0 - 125
Benzo(k)fluoranthene	50.00	49.47	98.9	45 - 125
1,1-Biphenyl	50.00	39.21	78.4	50 - 110
4-Bromophenyl-phenylether	50.00	53.58	107	50 - 115
Butylbenzylphthalate	50.00	53.74	107	45 - 115
Caprolactam	**50.00**	**9.459**	**18.9**	**20 - 110**
Carbazole	50.00	40.29	80.6	50 - 115
4-Chloro-3-methylphenol	100.0	81.91	81.9	45 - 110
4-Chloroaniline	50.00	28.88	57.8	15 - 110
Bis(2-chloroethoxy)methane	50.00	37.19	74.4	45 - 105
Bis(2-chloroethyl)ether	50.00	36.70	73.4	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	27.37	54.7	25 - 130
2-Chloronaphthalene	50.00	36.71	73.4	50 - 105
2-Chlorophenol	100.0	71.09	71.1	35 - 105
4-Chlorophenyl phenyl ether	**50.00**	**58.16**	**116**	**50 - 110**
Chrysene	50.00	46.16	92.3	55 - 110
Dibenz(a,h)anthracene	50.00	42.21	84.4	40 - 125
Dibenzofuran	50.00	44.77	89.5	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K17001	Laboratory ID:	1K17001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Di-n-butylphthalate	50.00	46.02	92.0	55 - 115
2,4-Dichlorophenol	100.0	71.05	71.1	40 - 110
Diethylphthalate	50.00	57.64	115	40 - 120
2,4-Dimethylphenol	100.0	75.47	75.5	30 - 110
Dimethyl phthalate	50.00	51.53	103	25 - 125
4,6-Dinitro-2-methylphenol	100.0	112.3	112	40 - 130
2,4-Dinitrophenol	100.0	108.4	108	15 - 140
2,4-Dinitrotoluene	50.00	55.20	110	50 - 120
2,6-Dinitrotoluene	50.00	53.18	106	50 - 115
Di-n-octylphthalate	50.00	58.29	117	35 - 135
1,2-Diphenylhydrazine	50.00	48.81	97.6	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	50.31	101	40 - 125
Fluoranthene	50.00	46.19	92.4	55 - 115
Fluorene	50.00	47.00	94.0	50 - 110
Hexachlorobenzene	50.00	50.46	101	50 - 110
Hexachlorobutadiene	50.00	35.55	71.1	25 - 105
Hexachlorocyclopentadiene	50.00	27.97	55.9	10 - 110
Hexachloroethane	50.00	24.13	48.3	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	41.26	82.5	45 - 125
Isophorone	50.00	43.14	86.3	50 - 110
1-Methylnaphthalene	50.00	40.01	80.0	30 - 115
2-Methylnaphthalene	50.00	39.34	78.7	45 - 105
2-Methylphenol	100.0	48.83	48.8	40 - 110
3-Methylphenol/4-Methylphenol	100.0	42.65	42.7	30 - 110
Naphthalene	50.00	34.41	68.8	40 - 100
4-Nitroaniline	50.00	55.27	111	35 - 120
3-Nitroaniline	50.00	36.18	72.4	20 - 125
2-Nitroaniline	**50.00**	**61.26**	**123**	**50 - 115**
Nitrobenzene	50.00	51.44	103	30 - 110
4-Nitrophenol	100.0	43.88	43.9	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K17001	Laboratory ID:	1K17001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	88.97	89.0	40 - 115
N-Nitrosodiphenylamine	50.00	33.53	67.1	50 - 110
N-Nitroso-di-n-propylamine	50.00	51.18	102	35 - 130
Pentachlorophenol	100.0	101.8	102	40 - 115
Phenanthrene	50.00	40.93	81.9	50 - 115
Phenol	100.0	22.48	22.5	0 - 115
Pyrene	50.00	48.76	97.5	50 - 130
2,4,6-Trichlorophenol	100.0	97.61	97.6	50 - 115
2,4,5-Trichlorophenol	100.0	102.9	103	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	40.66	81.3	9.54	30	20 - 110
Acenaphthene	50.00	35.32	70.6	21.2	30	45 - 110
Acenaphthylene	50.00	32.51	65.0	20.2	30	50 - 105
Acetophenone	50.00	35.36	70.7	28.7	30	50 - 110
Anthracene	50.00	35.13	70.3	10.9	30	55 - 110
Atrazine	50.00	45.73	91.5	14.4	30	70 - 115
Benzaldehyde	50.00	29.89	59.8	29.1	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	43.87	87.7	11.8	30	55 - 110
Benzo(a)pyrene	50.00	44.02	88.0	14.7	30	55 - 110
Benzo(b)fluoranthene	50.00	48.98	98.0	10.9	30	45 - 120
Benzo(g,h,i)perylene	50.00	35.39	70.8	13.3	30	40 - 125
Benzoic acid	100.0	17.89	17.9	5.35	30	0 - 125
Benzo(k)fluoranthene	50.00	44.96	89.9	9.55	30	45 - 125
1,1-Biphenyl	50.00	30.64	61.3	24.6	30	50 - 110
4-Bromophenyl-phenylether	50.00	44.29	88.6	19.0	30	50 - 115
Butylbenzylphthalate	50.00	47.61	95.2	12.1	30	45 - 115
Caprolactam	**50.00**	**7.449**	**14.9 ***	**23.8**	**30**	**20 - 110**

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K17001	Laboratory ID:	1K17001-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.
Carbazole	50.00	36.32	72.6	10.4	30	50 - 115
4-Chloro-3-methylphenol	100.0	64.49	64.5	23.8	30	45 - 110
4-Chloroaniline	50.00	25.98	52.0	10.5	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	28.04	56.1	28.0	30	45 - 105
Bis(2-chloroethyl)ether	50.00	26.89	53.8	30.9 *	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	21.54	43.1	23.8	30	25 - 130
2-Chloronaphthalene	50.00	29.10	58.2	23.1	30	50 - 105
2-Chlorophenol	100.0	50.84	50.8	33.2 *	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	49.39	98.8	16.3	30	50 - 110
Chrysene	50.00	42.16	84.3	9.07	30	55 - 110
Dibenz(a,h)anthracene	50.00	37.57	75.1	11.6	30	40 - 125
Dibenzofuran	50.00	38.17	76.3	15.9	30	55 - 105
Di-n-butylphthalate	50.00	41.33	82.7	10.7	30	55 - 115
2,4-Dichlorophenol	100.0	52.35	52.3	30.3 *	30	40 - 110
Diethylphthalate	50.00	50.52	101	13.2	30	40 - 120
2,4-Dimethylphenol	100.0	54.39	54.4	32.5 *	30	30 - 110
Dimethyl phthalate	50.00	44.48	89.0	14.7	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	103.8	104	7.89	30	40 - 130
2,4-Dinitrophenol	100.0	100.8	101	7.25	30	15 - 140
2,4-Dinitrotoluene	50.00	49.08	98.2	11.7	30	50 - 120
2,6-Dinitrotoluene	50.00	46.98	94.0	12.4	30	50 - 115
Di-n-octylphthalate	50.00	51.44	103	12.5	30	35 - 135
1,2-Diphenylhydrazine	50.00	42.17	84.3	14.6	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	45.84	91.7	9.31	30	40 - 125
Fluoranthene	50.00	42.83	85.7	7.55	30	55 - 115
Fluorene	50.00	40.41	80.8	15.1	30	50 - 110
Hexachlorobenzene	50.00	43.12	86.2	15.7	30	50 - 110
Hexachlorobutadiene	50.00	24.23	48.5	37.9 *	30	25 - 105
Hexachlorocyclopentadiene	50.00	20.70	41.4	29.9	30	10 - 110
Hexachloroethane	50.00	17.11	34.2	34.0 *	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K17001	Laboratory ID:	1K17001-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	50.00	35.23	70.5	15.8	30	45 - 125
Isophorone	50.00	33.67	67.3	24.7	30	50 - 110
1-Methylnaphthalene	50.00	30.66	61.3	26.5	30	30 - 115
2-Methylnaphthalene	50.00	31.42	62.8	22.4	30	45 - 105
2-Methylphenol	**100.0**	**36.64**	**36.6 ***	**28.5**	**30**	**40 - 110**
3-Methylphenol/4-Methylphenol	100.0	32.66	32.7	26.5	30	30 - 110
Naphthalene	50.00	25.84	51.7	28.4	30	40 - 100
4-Nitroaniline	50.00	47.52	95.0	15.1	30	35 - 120
3-Nitroaniline	50.00	34.49	69.0	4.78	30	20 - 125
2-Nitroaniline	50.00	53.91	108	12.8	30	50 - 115
Nitrobenzene	50.00	38.71	77.4	28.2	30	30 - 110
4-Nitrophenol	100.0	38.89	38.9	12.1	30	0 - 125
2-Nitrophenol	100.0	65.58	65.6	30.3 *	30	40 - 115
N-Nitrosodiphenylamine	50.00	29.00	58.0	14.5	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.06	82.1	21.9	30	35 - 130
Pentachlorophenol	100.0	88.09	88.1	14.4	30	40 - 115
Phenanthrene	50.00	37.27	74.5	9.36	30	50 - 115
Phenol	100.0	17.09	17.1	27.2	30	0 - 115
Pyrene	50.00	43.27	86.5	11.9	30	50 - 130
2,4,6-Trichlorophenol	100.0	75.93	75.9	25.0	30	50 - 115
2,4,5-Trichlorophenol	100.0	81.70	81.7	22.9	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K10001 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/10/11 10:38	1,060.00	1.00
GW0301	1111091-03	11/10/11 10:38	1,070.00	1.00
GW0302	1111091-05	11/10/11 10:38	1,060.00	1.00
GW0303	1111093-01	11/10/11 10:38	1,060.00	1.00
GW0327	1111093-03	11/10/11 10:38	1,020.00	1.00
GW0330	1111093-05	11/10/11 10:38	1,040.00	1.00
Blank	1K10001-BLK1	11/10/11 10:38	1,000.00	1.00
LCS	1K10001-BS1	11/10/11 10:38	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K14001 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/14/11 10:30	1,040.00	1.00
GW0318	1111104-03	11/14/11 10:30	1,060.00	1.00
GW0319	1111104-05	11/14/11 10:30	1,060.00	1.00
GW0328	1111104-07	11/14/11 10:30	1,060.00	1.00
GW0329	1111104-09	11/14/11 10:30	1,070.00	1.00
GW0362	1111104-11	11/14/11 10:30	1,060.00	1.00
GW0258	1111109-01	11/14/11 10:30	1,060.00	1.00
GW0333	1111109-03	11/14/11 10:30	1,020.00	1.00
GW0361	1111109-05	11/14/11 10:30	1,040.00	1.00
GW0363	1111109-07	11/14/11 10:30	1,070.00	1.00
GW0364	1111109-09	11/14/11 10:30	1,070.00	1.00
Blank	1K14001-BLK1	11/14/11 10:30	1,000.00	1.00
LCS	1K14001-BS1	11/14/11 10:30	1,000.00	1.00
LCS Dup	1K14001-BSD1	11/14/11 10:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K17001 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01RE1	11/18/11 09:58	1,060.00	1.00
Blank	1K17001-BLK1	11/17/11 10:00	1,000.00	1.00
LCS	1K17001-BS1	11/17/11 10:00	1,000.00	1.00
LCS Dup	1K17001-BSD1	11/17/11 10:00	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/29/11
Instrument ID:	MS-BNA3	Injection Time:	17:21
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	52.7	PASS
70	Less than 2% of 69	0.492	PASS
127	40 - 60% of 198	54.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.87	PASS
275	10 - 30% of 198	22	PASS
365	1 - 200% of 198	2.1	PASS
441	0.001 - 100% of 443	77.8	PASS
442	40 - 200% of 198	47.4	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/30/11
Instrument ID:	MS-BNA3	Injection Time:	14:42
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	55.8	PASS
70	Less than 2% of 69	0.42	PASS
127	40 - 60% of 198	56.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.25	PASS
275	10 - 30% of 198	22.9	PASS
365	1 - 200% of 198	2.34	PASS
441	0.001 - 100% of 443	74.4	PASS
442	40 - 200% of 198	46.4	PASS
443	17 - 23% of 442	20.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/02/11
Instrument ID:	MS-BNA3	Injection Time:	13:51
Sequence:	1E12203	Lab Sample ID:	1E12203-TUN3

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	58.2	PASS
70	Less than 2% of 69	0.51	PASS
127	40 - 60% of 198	56.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.39	PASS
275	10 - 30% of 198	21.4	PASS
365	1 - 200% of 198	2.24	PASS
441	0.001 - 100% of 443	72.1	PASS
442	40 - 200% of 198	46.9	PASS
443	17 - 23% of 442	21.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/04/11
Instrument ID:	MS-BNA1	Injection Time:	14:51
Sequence:	1K31411	Lab Sample ID:	1K31411-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	30.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	38.9	PASS
70	Less than 2% of 69	0.471	PASS
127	40 - 60% of 198	45.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.37	PASS
275	10 - 30% of 198	19.9	PASS
365	1 - 200% of 198	2.79	PASS
441	0.001 - 100% of 443	80.5	PASS
442	40 - 200% of 198	94	PASS
443	17 - 23% of 442	18.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/05/11
Instrument ID:	MS-BNA1	Injection Time:	16:30
Sequence:	1K31411	Lab Sample ID:	1K31411-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.4	PASS
68	Less than 2% of 69	0.417	PASS
69	Less than 200% of 198	43.7	PASS
70	Less than 2% of 69	0.79	PASS
127	40 - 60% of 198	45.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.7	PASS
275	10 - 30% of 198	19.5	PASS
365	1 - 200% of 198	2.75	PASS
441	0.001 - 100% of 443	77	PASS
442	40 - 200% of 198	109	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/16/11
Instrument ID:	MS-BNA1	Injection Time:	11:20
Sequence:	1K32215	Lab Sample ID:	1K32215-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	59.1	PASS
70	Less than 2% of 69	0.628	PASS
127	40 - 60% of 198	55.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.32	PASS
275	10 - 30% of 198	17.5	PASS
365	1 - 200% of 198	1.68	PASS
441	0.001 - 100% of 443	73.5	PASS
442	40 - 200% of 198	49.6	PASS
443	17 - 23% of 442	22.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/22/11
Instrument ID:	MS-BNA3	Injection Time:	12:03
Sequence:	1K32715	Lab Sample ID:	1K32715-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.3	PASS
70	Less than 2% of 69	0.611	PASS
127	40 - 60% of 198	56	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.13	PASS
275	10 - 30% of 198	28.5	PASS
365	1 - 200% of 198	3.41	PASS
441	0.001 - 100% of 443	70.3	PASS
442	40 - 200% of 198	111	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/23/11
Instrument ID:	MS-BNA1	Injection Time:	13:28
Sequence:	1K33208	Lab Sample ID:	1K33208-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	43.6	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	68.2	PASS
70	Less than 2% of 69	0.355	PASS
127	40 - 60% of 198	59.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.19	PASS
275	10 - 30% of 198	16.9	PASS
365	1 - 200% of 198	1.81	PASS
441	0.001 - 100% of 443	74.5	PASS
442	40 - 200% of 198	64.5	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/23/11
Instrument ID:	MS-BNA3	Injection Time:	11:09
Sequence:	1K33215	Lab Sample ID:	1K33215-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	48.8	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51	PASS
70	Less than 2% of 69	0.361	PASS
127	40 - 60% of 198	58.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.83	PASS
275	10 - 30% of 198	27.4	PASS
365	1 - 200% of 198	2.78	PASS
441	0.001 - 100% of 443	77.3	PASS
442	40 - 200% of 198	105	PASS
443	17 - 23% of 442	18.6	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12203	Instrument:	MS-BNA3
Calibration:	1236001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E12203-TUN1	SEQ-TUN1.D	04/29/11 17:21
Cal Standard	1E12203-CAL1	SEQ-CAL1.D	04/29/11 17:45
Cal Standard	1E12203-CAL2	SEQ-CAL2.D	04/29/11 18:19
Cal Standard	1E12203-CAL3	SEQ-CAL3.D	04/29/11 18:52
Cal Standard	1E12203-CAL4	SEQ-CAL4.D	04/29/11 19:25
Cal Standard	1E12203-CAL5	SEQ-CAL5.D	04/29/11 19:58
Cal Standard	1E12203-CAL6	SEQ-CAL6.D	04/29/11 20:31
Cal Standard	1E12203-CAL7	SEQ-CAL7.D	04/29/11 21:04
Cal Standard	1E12203-CAL8	SEQ-CAL8.D	04/29/11 21:37
Cal Standard	1E12203-CAL9	SEQ-CAL9.D	04/29/11 22:09
Cal Standard	1E12203-CALA	SEQ-CALA.D	04/29/11 22:42
Cal Standard	1E12203-CALB	SEQ-CALB.D	04/29/11 23:15
Cal Standard	1E12203-CALC	SEQ-CALC.D	04/29/11 23:47
Cal Standard	1E12203-CALD	SEQ-CALD.D	04/30/11 00:20
Cal Standard	1E12203-CALE	SEQ-CALE.D	04/30/11 00:53
Cal Standard	1E12203-CALF	SEQ-CALF.D	04/30/11 01:25
Cal Standard	1E12203-CALG	SEQ-CALG.D	04/30/11 01:58
MS Tune	1E12203-TUN2	SEQ-TUN1.D	04/30/11 14:42
Initial Cal Check	1E12203-ICV1	SEQ-ICV1.D	04/30/11 15:07
Initial Cal Check	1E12203-ICV2	SEQ-ICV2.D	04/30/11 15:40
Initial Cal Check	1E12203-ICV3	SEQ-ICV5.D	04/30/11 17:19
MS Tune	1E12203-TUN3	SEQ-TUN1.D	05/02/11 13:51
Initial Cal Check	1E12203-ICV4	SEQ-ICV4.D	05/02/11 14:16

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31411	Instrument:	MS-BNA1
Calibration:	1314005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K31411-TUN1	SEQ-TUN1.D	11/04/11 14:51
Cal Standard	1K31411-CAL1	SEQ-CAL1.D	11/04/11 15:15
Cal Standard	1K31411-CAL2	SEQ-CAL2.D	11/04/11 15:46
Cal Standard	1K31411-CAL3	SEQ-CAL3.D	11/04/11 16:17
Cal Standard	1K31411-CAL4	SEQ-CAL4.D	11/04/11 16:48
Cal Standard	1K31411-CAL5	SEQ-CAL5.D	11/04/11 17:19
Cal Standard	1K31411-CAL6	SEQ-CAL6.D	11/04/11 17:50
Cal Standard	1K31411-CAL7	SEQ-CAL7.D	11/04/11 18:20
Cal Standard	1K31411-CAL8	SEQ-CAL8.D	11/04/11 18:51
Cal Standard	1K31411-CAL9	SEQ-CAL9.D	11/04/11 19:21
Cal Standard	1K31411-CALA	SEQ-CALA.D	11/04/11 19:52
Cal Standard	1K31411-CALB	SEQ-CALB.D	11/04/11 20:22
Cal Standard	1K31411-CALC	SEQ-CALC.D	11/04/11 20:53
Cal Standard	1K31411-CALD	SEQ-CALD.D	11/04/11 21:23
Cal Standard	1K31411-CALE	SEQ-CALE.D	11/04/11 21:53
Cal Standard	1K31411-CALF	SEQ-CALF.D	11/04/11 22:24
Cal Standard	1K31411-CALG	SEQ-CALG.D	11/04/11 22:54
Initial Cal Check	1K31411-ICV1	SEQ-ICV1.D	11/04/11 23:25
Initial Cal Check	1K31411-ICV2	SEQ-ICV2.D	11/04/11 23:56
MS Tune	1K31411-TUN2	SEQ-TUN1.D	11/05/11 16:30
Initial Cal Check	1K31411-ICV3	SEQ-ICV3.D	11/05/11 16:54

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32215	Instrument:	MS-BNA1
Calibration:	1314005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K32215-TUN1	SEQ-TUN1.D	11/16/11 11:20
Calibration Check	1K32215-CCV1	SEQ-CCV1.D	11/16/11 11:45
Blank	1K10001-BLK1	K10001B1.D	11/16/11 14:51
LCS	1K10001-BS1	K10001L1.D	11/16/11 15:23
GW0291	1111091-01	1109101.D	11/16/11 16:25
GW0301	1111091-03	1109103.D	11/16/11 16:56
GW0302	1111091-05	1109105.D	11/16/11 17:26
GW0303	1111093-01	1109301.D	11/16/11 17:57
GW0327	1111093-03	1109303.D	11/16/11 18:28
GW0330	1111093-05	1109305D.D	11/16/11 18:59

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32715	Instrument:	MS-BNA3
Calibration:	1236001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K32715-TUN1	SEQ-TUN1.D	11/22/11 12:03
Calibration Check	1K32715-CCV1	SEQ-CCV1.D	11/22/11 12:29
GW0269	1111104-01	1110401.D	11/22/11 16:50
GW0318	1111104-03	1110403.D	11/22/11 17:23
GW0319	1111104-05	1110405.D	11/22/11 17:55
GW0329	1111104-09	1110409.D	11/22/11 19:00
GW0333	1111109-03	1110903.D	11/22/11 20:37
GW0361	1111109-05	1110905.D	11/22/11 21:10
GW0363	1111109-07	1110907.D	11/22/11 21:42
GW0364	1111109-09	1110909.D	11/22/11 22:14

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33208	Instrument:	MS-BNA1
Calibration:	1314005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K33208-TUN1	SEQ-TUN1.D	11/23/11 13:28
Calibration Check	1K33208-CCV1	SEQ-CCV1.D	11/23/11 13:52
Blank	1K17001-BLK1	K17001B1.D	11/23/11 22:29
LCS	1K17001-BS1	K17001L1.D	11/23/11 22:59
LCS Dup	1K17001-BSD1	K17001L2.D	11/23/11 23:30
GW0291	1111091-01RE1	1109101R.D	11/24/11 00:00

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33215	Instrument:	MS-BNA3
Calibration:	1236001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1K33215-TUN1	SEQ-TUN1.D	11/23/11 11:09
Calibration Check	1K33215-CCV1	SEQ-CCV1.D	11/23/11 11:33
Blank	1K14001-BLK1	K14001B1.D	11/23/11 12:07
LCS	1K14001-BS1	K14001L1.D	11/23/11 12:38
GW0328	1111104-07	1110407.D	11/23/11 14:14
GW0362	1111104-11	1110411.D	11/23/11 14:46
GW0258	1111109-01	1110901.D	11/23/11 15:17
LCS Dup	1K14001-BSD1	K14001L3.D	11/23/11 15:51

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32215	Instrument:	MS-BNA1
		Calibration:	1314005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1K32215-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/16/11 11:45			
1,4-Dichlorobenzene-d4	529989	5.412	454454	5.57	117	50 - 200	-0.1580	+/-0.50	
Naphthalene-d8	2014875	7.079	1719676	7.234	117	50 - 200	-0.1550	+/-0.50	
Acenaphthene-d10	888371	9.304	764877	9.456	116	50 - 200	-0.1520	+/-0.50	
Phenanthrene-d10	1483864	11.08	1194146	11.239	124	50 - 200	-0.1590	+/-0.50	
Chrysene-d12	1136600	14.743	897788	14.954	127	50 - 200	-0.2110	+/-0.50	
Perylene-d12	1052304	17.274	746175	17.523	141	50 - 200	-0.2490	+/-0.50	
Blank (1K10001-BLK1)			Lab File ID: K10001B1.D			Analyzed: 11/16/11 14:51			
1,4-Dichlorobenzene-d4	519359	5.402	529989	5.412	98	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2006985	7.073	2014875	7.079	100	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	907650	9.289	888371	9.304	102	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	1443930	11.07	1483864	11.08	97	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1134852	14.732	1136600	14.743	100	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1026065	17.269	1052304	17.274	98	50 - 200	-0.0050	+/-0.50	
LCS (1K10001-BS1)			Lab File ID: K10001L1.D			Analyzed: 11/16/11 15:23			
1,4-Dichlorobenzene-d4	521783	5.402	529989	5.412	98	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2040188	7.079	2014875	7.079	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	911724	9.294	888371	9.304	103	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1536874	11.079	1483864	11.08	104	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1267806	14.739	1136600	14.743	112	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1318854	17.268	1052304	17.274	125	50 - 200	-0.0060	+/-0.50	
GW0291 (1111091-01)			Lab File ID: 1109101.D			Analyzed: 11/16/11 16:25			
1,4-Dichlorobenzene-d4	491385	5.4	529989	5.412	93	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	1944634	7.072	2014875	7.079	97	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	890698	9.297	888371	9.304	100	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1396162	11.067	1483864	11.08	94	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1104059	14.721	1136600	14.743	97	50 - 200	-0.0220	+/-0.50	
Perylene-d12	1026672	17.258	1052304	17.274	98	50 - 200	-0.0160	+/-0.50	
GW0301 (1111091-03)			Lab File ID: 1109103.D			Analyzed: 11/16/11 16:56			
1,4-Dichlorobenzene-d4	544874	5.4	529989	5.412	103	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	2086188	7.071	2014875	7.079	104	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	931710	9.297	888371	9.304	105	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1498304	11.076	1483864	11.08	101	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1212994	14.719	1136600	14.743	107	50 - 200	-0.0240	+/-0.50	
Perylene-d12	1104490	17.256	1052304	17.274	105	50 - 200	-0.0180	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32215	Instrument:	MS-BNA1
		Calibration:	1314005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0302 (1111091-05)			Lab File ID: 1109105.D			Analyzed: 11/16/11 17:26			
1,4-Dichlorobenzene-d4	656275	5.399	529989	5.412	124	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8	2468116	7.071	2014875	7.079	122	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1143826	9.295	888371	9.304	129	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1796678	11.076	1483864	11.08	121	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1498995	14.723	1136600	14.743	132	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1383268	17.261	1052304	17.274	131	50 - 200	-0.0130	+/-0.50	
GW0303 (1111093-01)			Lab File ID: 1109301.D			Analyzed: 11/16/11 17:57			
1,4-Dichlorobenzene-d4	447826	5.399	529989	5.412	84	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8	1652533	7.07	2014875	7.079	82	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	746364	9.294	888371	9.304	84	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1162156	11.073	1483864	11.08	78	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	894183	14.725	1136600	14.743	79	50 - 200	-0.0180	+/-0.50	
Perylene-d12	803781	17.251	1052304	17.274	76	50 - 200	-0.0230	+/-0.50	
GW0327 (1111093-03)			Lab File ID: 1109303.D			Analyzed: 11/16/11 18:28			
1,4-Dichlorobenzene-d4	537543	5.395	529989	5.412	101	50 - 200	-0.0170	+/-0.50	
Naphthalene-d8	2033818	7.073	2014875	7.079	101	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	961170	9.293	888371	9.304	108	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1525026	11.068	1483864	11.08	103	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	1311121	14.724	1136600	14.743	115	50 - 200	-0.0190	+/-0.50	
Perylene-d12	1230484	17.263	1052304	17.274	117	50 - 200	-0.0110	+/-0.50	
GW0330 (1111093-05)			Lab File ID: 1109305D.D			Analyzed: 11/16/11 18:59			
1,4-Dichlorobenzene-d4	521407	5.394	529989	5.412	98	50 - 200	-0.0180	+/-0.50	
Naphthalene-d8	1925198	7.07	2014875	7.079	96	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	883783	9.287	888371	9.304	99	50 - 200	-0.0170	+/-0.50	
Phenanthrene-d10	1460858	11.074	1483864	11.08	98	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1173566	14.718	1136600	14.743	103	50 - 200	-0.0250	+/-0.50	
Perylene-d12	1086812	17.253	1052304	17.274	103	50 - 200	-0.0210	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32715	Instrument:	MS-BNA3
		Calibration:	1236001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1K32715-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/22/11 12:29			
1,4-Dichlorobenzene-d4	388557	6.004	473419	6.389	82	50 - 200	-0.3850	+/-0.50	
Naphthalene-d8	1476811	7.649	1697246	8.029	87	50 - 200	-0.3800	+/-0.50	
Acenaphthene-d10	824391	9.866	970176	10.251	85	50 - 200	-0.3850	+/-0.50	
Phenanthrene-d10	1399746	11.704	1609148	12.094	87	50 - 200	-0.3900	+/-0.50	
Chrysene-d12	1363526	15.705	1722869	16.261	79	50 - 200	-0.5560	+/-0.50	
Perylene-d12	1372236	18.403	1702026	19.012	81	50 - 200	-0.6090	+/-0.50	
GW0269 (1111104-01)			Lab File ID: 1110401.D			Analyzed: 11/22/11 16:50			
1,4-Dichlorobenzene-d4	463459	6.001	388557	6.004	119	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1743328	7.646	1476811	7.649	118	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	949162	9.863	824391	9.866	115	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1505393	11.701	1399746	11.704	108	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1516164	15.697	1363526	15.705	111	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1519490	18.4	1372236	18.403	111	50 - 200	-0.0030	+/-0.50	
GW0318 (1111104-03)			Lab File ID: 1110403.D			Analyzed: 11/22/11 17:23			
1,4-Dichlorobenzene-d4	267686	5.998	388557	6.004	69	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	996497	7.643	1476811	7.649	67	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	535906	9.86	824391	9.866	65	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	855260	11.698	1399746	11.704	61	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	874055	15.694	1363526	15.705	64	50 - 200	-0.0110	+/-0.50	
Perylene-d12	844600	18.392	1372236	18.403	62	50 - 200	-0.0110	+/-0.50	
GW0319 (1111104-05)			Lab File ID: 1110405.D			Analyzed: 11/22/11 17:55			
1,4-Dichlorobenzene-d4	221959	5.999	388557	6.004	57	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	835242	7.644	1476811	7.649	57	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	451866	9.861	824391	9.866	55	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	744010	11.699	1399746	11.704	53	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	759614	15.689	1363526	15.705	56	50 - 200	-0.0160	+/-0.50	
Perylene-d12	745419	18.392	1372236	18.403	54	50 - 200	-0.0110	+/-0.50	
GW0329 (1111104-09)			Lab File ID: 1110409.D			Analyzed: 11/22/11 19:00			
1,4-Dichlorobenzene-d4	381628	6	388557	6.004	98	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1434985	7.645	1476811	7.649	97	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	811617	9.862	824391	9.866	98	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1323889	11.7	1399746	11.704	95	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1363627	15.696	1363526	15.705	100	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1353052	18.393	1372236	18.403	99	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32715	Instrument:	MS-BNA3
		Calibration:	1236001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0333 (1111109-03)			Lab File ID: 1110903.D			Analyzed: 11/22/11 20:37			
1,4-Dichlorobenzene-d4	221007	5.999	388557	6.004	57	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	811755	7.644	1476811	7.649	55	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	461636	9.861	824391	9.866	56	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	741692	11.699	1399746	11.704	53	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	774578	15.695	1363526	15.705	57	50 - 200	-0.0100	+/-0.50	
Perylene-d12	749028	18.387	1372236	18.403	55	50 - 200	-0.0160	+/-0.50	
GW0361 (1111109-05)			Lab File ID: 1110905.D			Analyzed: 11/22/11 21:10			
1,4-Dichlorobenzene-d4	330390	5.999	388557	6.004	85	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1244772	7.645	1476811	7.649	84	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	675364	9.862	824391	9.866	82	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1094903	11.699	1399746	11.704	78	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1100073	15.695	1363526	15.705	81	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1089553	18.393	1372236	18.403	79	50 - 200	-0.0100	+/-0.50	
GW0363 (1111109-07)			Lab File ID: 1110907.D			Analyzed: 11/22/11 21:42			
1,4-Dichlorobenzene-d4	240707	5.998	388557	6.004	62	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	907084	7.644	1476811	7.649	61	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	510526	9.861	824391	9.866	62	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	822556	11.698	1399746	11.704	59	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	841291	15.689	1363526	15.705	62	50 - 200	-0.0160	+/-0.50	
Perylene-d12	829066	18.387	1372236	18.403	60	50 - 200	-0.0160	+/-0.50	
GW0364 (1111109-09)			Lab File ID: 1110909.D			Analyzed: 11/22/11 22:14			
1,4-Dichlorobenzene-d4	396425	6.001	388557	6.004	102	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1490320	7.646	1476811	7.649	101	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	831876	9.863	824391	9.866	101	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1344650	11.701	1399746	11.704	96	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1359169	15.697	1363526	15.705	100	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1345252	18.395	1372236	18.403	98	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33208	Instrument:	MS-BNA1
		Calibration:	1314005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1K33208-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/23/11 13:52			
1,4-Dichlorobenzene-d4	418700	5.306	454454	5.57	92	50 - 200	-0.2640	+/-0.50	
Naphthalene-d8	1651591	6.983	1719676	7.234	96	50 - 200	-0.2510	+/-0.50	
Acenaphthene-d10	668877	9.203	764877	9.456	87	50 - 200	-0.2530	+/-0.50	
Phenanthrene-d10	1195738	10.985	1194146	11.239	100	50 - 200	-0.2540	+/-0.50	
Chrysene-d12	896497	14.605	897788	14.954	100	50 - 200	-0.3490	+/-0.50	
Perylene-d12	743891	17.118	746175	17.523	100	50 - 200	-0.4050	+/-0.50	
Blank (1K17001-BLK1)			Lab File ID: K17001B1.D			Analyzed: 11/23/11 22:29			
1,4-Dichlorobenzene-d4	471482	5.301	418700	5.306	113	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1920648	6.973	1651591	6.983	116	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	806278	9.199	668877	9.203	121	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1342061	10.983	1195738	10.985	112	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1019706	14.595	896497	14.605	114	50 - 200	-0.0100	+/-0.50	
Perylene-d12	824840	17.107	743891	17.118	111	50 - 200	-0.0110	+/-0.50	
LCS (1K17001-BS1)			Lab File ID: K17001L1.D			Analyzed: 11/23/11 22:59			
1,4-Dichlorobenzene-d4	461870	5.303	418700	5.306	110	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1894334	6.981	1651591	6.983	115	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	786505	9.198	668877	9.203	118	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1451197	10.985	1195738	10.985	121	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1012986	14.606	896497	14.605	113	50 - 200	0.0010	+/-0.50	
Perylene-d12	734976	17.11	743891	17.118	99	50 - 200	-0.0080	+/-0.50	
LCS Dup (1K17001-BSD1)			Lab File ID: K17001L2.D			Analyzed: 11/23/11 23:30			
1,4-Dichlorobenzene-d4	494328	5.302	418700	5.306	118	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2055334	6.979	1651591	6.983	124	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	843546	9.205	668877	9.203	126	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1544477	10.989	1195738	10.985	129	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1106669	14.608	896497	14.605	123	50 - 200	0.0030	+/-0.50	
Perylene-d12	842862	17.11	743891	17.118	113	50 - 200	-0.0080	+/-0.50	
GW0291 (1111091-01RE1)			Lab File ID: 1109101R.D			Analyzed: 11/24/11 00:00			
1,4-Dichlorobenzene-d4	457384	5.302	418700	5.306	109	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1893048	6.975	1651591	6.983	115	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	772760	9.202	668877	9.203	116	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1291461	10.976	1195738	10.985	108	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	952650	14.597	896497	14.605	106	50 - 200	-0.0080	+/-0.50	
Perylene-d12	727657	17.106	743891	17.118	98	50 - 200	-0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33215	Instrument:	MS-BNA3
		Calibration:	1236001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1K33215-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/23/11 11:33			
1,4-Dichlorobenzene-d4	598358	6.066	473419	6.389	126	50 - 200	-0.3230	+/-0.50	
Naphthalene-d8	2140522	7.712	1697246	8.029	126	50 - 200	-0.3170	+/-0.50	
Acenaphthene-d10	1179996	9.929	970176	10.251	122	50 - 200	-0.3220	+/-0.50	
Phenanthrene-d10	1976707	11.772	1609148	12.094	123	50 - 200	-0.3220	+/-0.50	
Chrysene-d12	1921711	15.8	1722869	16.261	112	50 - 200	-0.4610	+/-0.50	
Perylene-d12	1910675	18.508	1702026	19.012	112	50 - 200	-0.5040	+/-0.50	
Blank (1K14001-BLK1)			Lab File ID: K14001B1.D			Analyzed: 11/23/11 12:07			
1,4-Dichlorobenzene-d4	325337	6.059	598358	6.066	54	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	1220287	7.705	2140522	7.712	57	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	664395	9.922	1179996	9.929	56	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1071580	11.759	1976707	11.772	54	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1074400	15.782	1921711	15.8	56	50 - 200	-0.0180	+/-0.50	
Perylene-d12	1047943	18.491	1910675	18.508	55	50 - 200	-0.0170	+/-0.50	
LCS (1K14001-BS1)			Lab File ID: K14001L1.D			Analyzed: 11/23/11 12:38			
1,4-Dichlorobenzene-d4	426430	6.062	598358	6.066	71	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1612027	7.708	2140522	7.712	75	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	902196	9.925	1179996	9.929	76	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1469221	11.762	1976707	11.772	74	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1463714	15.79	1921711	15.8	76	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1413274	18.499	1910675	18.508	74	50 - 200	-0.0090	+/-0.50	
GW0328 (1111104-07)			Lab File ID: 1110407.D			Analyzed: 11/23/11 14:14			
1,4-Dichlorobenzene-d4	358724	6.063	598358	6.066	60	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1307946	7.703	2140522	7.712	61	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	708999	9.92	1179996	9.929	60	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1157112	11.763	1976707	11.772	59	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1163417	15.78	1921711	15.8	61	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1137847	18.489	1910675	18.508	60	50 - 200	-0.0190	+/-0.50	
GW0362 (1111104-11)			Lab File ID: 1110411.D			Analyzed: 11/23/11 14:46			
1,4-Dichlorobenzene-d4	589533	6.061	598358	6.066	99	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2172012	7.706	2140522	7.712	101	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1168304	9.923	1179996	9.929	99	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1862153	11.761	1976707	11.772	94	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1900839	15.783	1921711	15.8	99	50 - 200	-0.0170	+/-0.50	
Perylene-d12	1923541	18.497	1910675	18.508	101	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33215	Instrument:	MS-BNA3
		Calibration:	1236001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0258 (1111109-01)			Lab File ID: 1110901.D			Analyzed: 11/23/11 15:17			
1,4-Dichlorobenzene-d4	312150	6.062	598358	6.066	52	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1139405	7.707	2140522	7.712	53	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	616851	9.924	1179996	9.929	52	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	968236	11.762	1976707	11.772	49	50 - 200	-0.0100	+/-0.50	*
Chrysene-d12	1014102	15.779	1921711	15.8	53	50 - 200	-0.0210	+/-0.50	
Perylene-d12	988962	18.487	1910675	18.508	52	50 - 200	-0.0210	+/-0.50	
LCS Dup (1K14001-BSD1)			Lab File ID: K14001L3.D			Analyzed: 11/23/11 15:51			
1,4-Dichlorobenzene-d4	316752	6.063	598358	6.066	53	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1322820	7.708	2140522	7.712	62	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	750779	9.925	1179996	9.929	64	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1230032	11.763	1976707	11.772	62	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1224736	15.791	1921711	15.8	64	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1169891	18.494	1910675	18.508	61	50 - 200	-0.0140	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1236001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.200562	10	1.152068	20	1.149698	40	1.01509	50	1.06599	60	1.118857
Acenaphthylene	5	1.910563	10	1.856652	20	1.834023	40	1.577506	50	1.649651	60	1.70743
Acetophenone												
Aniline	5	2.209836	10	2.190225	20	2.226457	40	1.982043	50	1.974255	60	2.113941
Anthracene	5	1.235784	10	1.151973	20	1.14753	40	1.011014	50	1.041804	60	1.073498
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.168873	10	1.137636	20	1.197714	40	1.06755	50	1.06548	60	1.128806
Benzo(a)pyrene	5	1.036259	10	1.04972	20	1.089412	40	0.978414	50	1.01499	60	1.072439
Benzo(b)fluoranthene	5	1.078112	10	1.060484	20	1.153792	40	1.054294	50	1.040864	60	1.109427
Benzo(g,h,i)perylene	5	1.006605	10	1.027385	20	1.089672	40	0.9762424	50	0.9956835	60	1.072671
Benzoic acid	5	~~0.1631144~~	10	0.2066539	20	0.2735506	40	0.2647946	50	0.2615824	60	0.2878177
Benzo(k)fluoranthene	5	1.172096	10	1.160073	20	1.151865	40	1.001281	50	1.065575	60	1.126634
Benzyl alcohol	5	0.8617164	10	0.8673336	20	0.9412286	40	0.8081919	50	0.8346687	60	0.8710511
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2469079	10	0.2344633	20	0.2370065	40	0.2123191	50	0.2163411	60	0.2281563
Butylbenzylphthalate	5	0.5079049	10	0.5154742	20	0.5455854	40	0.4854733	50	0.5006547	60	0.5266863
Caprolactam												
Carbazole	5	1.169471	10	1.105756	20	1.083785	40	0.9685984	50	0.99038	60	1.035201
4-Chloro-3-methylphenol	5	0.3271885	10	0.3156005	20	0.3315254	40	0.2968659	50	0.2942781	60	0.3089769
4-Chloroaniline	5	0.4539724	10	0.4453658	20	0.4574864	40	0.3980506	50	0.4035257	60	0.4178277
Bis(2-chloroethoxy)methane	5	0.4611163	10	0.4509887	20	0.460769	40	0.4019166	50	0.4004393	60	0.4227313
Bis(2-chloroethyl)ether	5	1.398969	10	1.365362	20	1.373354	40	1.207943	50	1.239815	60	1.295529
2,2'-Oxybis-1-chloropropane	5	2.104681	10	2.038633	20	2.090222	40	1.80177	50	1.872962	60	1.941936
2-Chloronaphthalene	5	1.200232	10	1.154849	20	1.147531	40	0.9888028	50	1.039189	60	1.079545
2-Chlorophenol	5	1.387384	10	1.360711	20	1.391404	40	1.228533	50	1.258319	60	1.325553
4-Chlorophenyl phenyl ether	5	0.6722867	10	0.629193	20	0.6336897	40	0.5730243	50	0.5907893	60	0.627927
Chrysene	5	1.151174	10	1.091951	20	1.107031	40	0.961258	50	1.014375	60	1.04624
Dibenz(a,h)anthracene	5	0.946806	10	0.9506035	20	1.063357	40	0.9536154	50	0.9816955	60	1.050817
Dibenzofuran	5	1.690636	10	1.625618	20	1.605227	40	1.390488	50	1.466559	60	1.521719

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 1236001
Instrument: MS-BNA3
Matrix: Water
Calibration Dates: 4/29/11 17:45 4/30/11 1:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.291838	10	1.2633	20	1.265434	40	1.093081	50	1.140461	60	1.174317
1,4-Dichlorobenzene	5	1.568025	10	1.509793	20	1.523559	40	1.3491	50	1.379529	60	1.434977
1,3-Dichlorobenzene	5	1.574354	10	1.479601	20	1.519922	40	1.320874	50	1.355106	60	1.4173
1,2-Dichlorobenzene	5	1.465806	10	1.434433	20	1.426883	40	1.255848	50	1.293523	60	1.343582
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.3169391	10	0.3145317	20	0.322702	40	0.288284	50	0.289789	60	0.3069296
Diethylphthalate	5	1.32063	10	1.261619	20	1.254918	40	1.085716	50	1.152411	60	1.190047
2,4-Dimethylphenol	5	0.384137	10	0.3702076	20	0.3829536	40	0.3415762	50	0.3440076	60	0.3643064
Dimethyl phthalate	5	1.355168	10	1.307581	20	1.304618	40	1.153295	50	1.191277	60	1.235792
4,6-Dinitro-2-methylphenol	5	0.1210854	10	0.1305908	20	0.1540064	40	0.145401	50	0.1462314	60	0.1562021
2,4-Dinitrophenol	5	~~0.1243362~~	10	0.141284	20	0.1848834	40	0.1803434	50	0.1820099	60	0.2006313
2,4-Dinitrotoluene	5	0.3918149	10	0.3987171	20	0.4082577	40	0.3613843	50	0.3748928	60	0.3995306
2,6-Dinitrotoluene	5	0.3173778	10	0.3102615	20	0.3152494	40	0.2767322	50	0.2875841	60	0.301629
Di-n-octylphthalate	5	1.129653	10	1.174165	20	1.286397	40	1.152356	50	1.187184	60	1.252791
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.9395803	10	0.8941122	20	0.9022896	40	0.7910616	50	0.8117722	60	0.8483397
Bis(2-ethylhexyl)phthalate	5	0.6809116	10	0.696049	20	0.7240521	40	0.6392159	50	0.667684	60	0.6908073
Fluoranthene	5	1.315024	10	1.285888	20	1.299553	40	1.150257	50	1.178525	60	1.237456
Fluorene	5	1.427944	10	1.37776	20	1.393796	40	1.23256	50	1.283604	60	1.352245
2-Fluorobiphenyl	5	1.379787	10	1.332113	20	1.323566	40	1.162246	50	1.222403	60	1.258599
2-Fluorophenol	10	1.214211	20	1.184901	40	1.215741	80	1.07233	100	1.096515	120	1.1412
Hexachlorobenzene	5	0.2642514	10	0.2518966	20	0.252403	40	0.2278087	50	0.2304763	60	0.2443057
Hexachlorobutadiene	5	0.1958535	10	0.1924169	20	0.197703	40	0.1758159	50	0.1782144	60	0.1853061
Hexachlorocyclopentadiene	5	0.3479271	10	0.3459221	20	0.3868304	40	0.357985	50	0.3703015	60	0.3962932
Hexachloroethane	5	0.5846331	10	0.56404	20	0.5729063	40	0.5094484	50	0.5215084	60	0.5497472
Indeno(1,2,3-cd)pyrene	5	0.9329214	10	0.9621318	20	1.063819	40	1.008596	50	0.9848949	60	1.105305
Isophorone	5	0.7896668	10	0.7714455	20	0.7883782	40	0.7034726	50	0.7013249	60	0.7443144
1-Methylnaphthalene	5	0.6441305	10	0.6180163	20	0.6239926	40	0.54737	50	0.5549956	60	0.5772563
2-Methylnaphthalene	5	0.6435821	10	0.6278223	20	0.6404808	40	0.5564928	50	0.5627111	60	0.5897258
2-Methylphenol	5	1.260273	10	1.251825	20	1.277152	40	1.131961	50	1.167884	60	1.218514

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1236001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.331706	10	1.290792	20	1.346713	40	1.190219	50	1.206537	60	1.281773
4-Methylphenol	5	1.331706	10	1.290792	20	1.346713	40	1.190219	50	1.206537	60	1.281773
3-Methylphenol/4-Methylphenol	5	1.331706	10	1.290792	20	1.346713	40	1.190219	50	1.206537	60	1.281773
Naphthalene	5	1.122107	10	1.071727	20	1.07583	40	0.9265709	50	0.94301	60	0.973957
4-Nitroaniline	5	0.3430184	10	0.3360742	20	0.3479662	40	0.3116399	50	0.3255681	60	0.3397148
3-Nitroaniline	5	0.3309603	10	0.3378271	20	0.3400208	40	0.3008812	50	0.3121726	60	0.3258531
2-Nitroaniline	5	0.3665605	10	0.3700264	20	0.3853216	40	0.3493317	50	0.3598085	60	0.3803924
Nitrobenzene	5	0.4362066	10	0.4207695	20	0.4376126	40	0.3908491	50	0.3913832	60	0.4109914
Nitrobenzene-d5	5	0.4225447	10	0.4166832	20	0.4326009	40	0.3896114	50	0.3855663	60	0.4106561
4-Nitrophenol	5	0.2297189	10	0.2494493	20	0.2828897	40	0.265577	50	0.2743758	60	0.2955233
2-Nitrophenol	5	0.1962052	10	0.1951651	20	0.2085142	40	0.1870232	50	0.1859271	60	0.198001
N-Nitrosodimethylamine	5	0.7020853	10	0.6974494	20	0.7179495	40	0.6502823	50	0.6591354	60	0.6915263
N-Nitrosodiphenylamine	5	0.7447467	10	0.702659	20	0.7022588	40	0.6229357	50	0.6399909	60	0.6681725
N-Nitroso-di-n-propylamine	5	1.084962	10	1.067234	20	1.095671	40	0.964017	50	0.9910933	60	1.042096
Pentachlorophenol	5	0.1466429	10	0.1458785	20	0.1722191	40	0.1555052	50	0.1599187	60	0.1729038
Phenanthrene	5	1.199467	10	1.144802	20	1.134825	40	0.990132	50	1.022705	60	1.064225
Phenol	5	1.763803	10	1.739868	20	1.780402	40	1.57708	50	1.605923	60	1.698477
Phenol-d6	10	1.662802	20	1.633678	40	1.679836	80	1.464852	100	1.513167	120	1.571116
Pyrene	5	1.262746	10	1.222088	20	1.241454	40	1.08272	50	1.115517	60	1.160478
Pyridine	5	1.508911	10	1.473681	20	1.566124	40	1.419584	50	1.429577	60	1.495931
Terphenyl-d14	5	0.7819621	10	0.7712491	20	0.7866966	40	0.6961461	50	0.7143354	60	0.7532491
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3424646	10	0.3390161	20	0.3503973	40	0.3066535	50	0.3206907	60	0.3389603
2,4,6-Tribromophenol	10	0.1109002	20	0.1068303	40	0.1114174	80	0.1032482	100	0.1035542	120	0.1120766
1,2,4-Trichlorobenzene	5	0.3746386	10	0.3584824	20	0.362458	40	0.320971	50	0.3209222	60	0.3385883
2,4,6-Trichlorophenol	5	0.3830191	10	0.3817827	20	0.3990224	40	0.3592382	50	0.3644658	60	0.395434
2,4,5-Trichlorophenol	5	0.4211802	10	0.4132208	20	0.4400895	40	0.3862672	50	0.4032646	60	0.4189466

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1236001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	80	1.070429	100	1.110154								
Acenaphthylene	80	1.618735	100	1.647107								
Acetophenone					5	1.880226	10	1.843684	20	1.726817	40	1.816985
Aniline	80	2.054588	100	2.043831								
Anthracene	80	1.035715	100	1.04405								
Atrazine					5	0.2382708	10	0.2429518	20	0.2278142	40	0.233576
Benzaldehyde					5	1.135886	10	1.104348	20	1.01959	40	1.026186
Benzidine					5	0.6324675	10	0.6598514	20	0.6461027	40	0.6640134
Benzo(a)anthracene	80	1.085495	100	1.102825								
Benzo(a)pyrene	80	1.043055	100	1.082603								
Benzo(b)fluoranthene	80	1.094292	100	1.158321								
Benzo(g,h,i)perylene	80	1.029641	100	1.06721								
Benzoic acid	80	0.2818719	100	0.2993054								
Benzo(k)fluoranthene	80	1.086366	100	1.097945								
Benzyl alcohol	80	0.8753887	100	0.8745454								
1,1-Biphenyl					5	1.527091	10	1.51435	20	1.38327	40	1.425931
4-Bromophenyl-phenylether	80	0.2212953	100	0.2313328								
Butylbenzylphthalate	80	0.506124	100	0.5159518								
Caprolactam					5	9.990739E-02	10	0.1104282	20	0.1119224	40	0.1178965
Carbazole	80	0.9981409	100	1.003717								
4-Chloro-3-methylphenol	80	0.3086181	100	0.3077652								
4-Chloroaniline	80	0.4023406	100	0.4016907								
Bis(2-chloroethoxy)methane	80	0.4085309	100	0.4094061								
Bis(2-chloroethyl)ether	80	1.257639	100	1.244128								
2,2'-Oxybis-1-chloropropane	80	1.890831	100	1.835877								
2-Chloronaphthalene	80	1.026935	100	1.065042								
2-Chlorophenol	80	1.285464	100	1.282664								
4-Chlorophenyl phenyl ether	80	0.6214753	100	0.6384061								
Chrysene	80	0.9983805	100	1.012507								
Dibenz(a,h)anthracene	80	1.023862	100	1.065065								
Dibenzofuran	80	1.474077	100	1.5066								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1236001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	80	1.115859	100	1.111806								
1,4-Dichlorobenzene	80	1.392333	100	1.402334								
1,3-Dichlorobenzene	80	1.374133	100	1.380718								
1,2-Dichlorobenzene	80	1.303595	100	1.306451								
3,3'-Dichlorobenzidine					5	0.3885638	10	0.4002254	20	0.3955931	40	0.4201307
2,6-Dichlorophenol					5	0.2969206	10	0.3013649	20	0.291966	40	0.3082091
2,4-Dichlorophenol	80	0.2966112	100	0.3015958								
Diethylphthalate	80	1.134853	100	1.157654								
2,4-Dimethylphenol	80	0.3587442	100	0.3633549								
Dimethyl phthalate	80	1.185465	100	1.222328								
4,6-Dinitro-2-methylphenol	80	0.1522534	100	0.1575479								
2,4-Dinitrophenol	80	0.2006293	100	0.2082968								
2,4-Dinitrotoluene	80	0.395113	100	0.4141599								
2,6-Dinitrotoluene	80	0.2878134	100	0.2968419								
Di-n-octylphthalate	80	1.208455	100	1.243757								
1,4-Dioxane					5	0.562493	10	0.5588019	20	0.5235447	40	0.5233689
1,2-Diphenylhydrazine	80	0.801643	100	0.8168839								
Bis(2-ethylhexyl)phthalate	80	0.6617697	100	0.6739699								
Fluoranthene	80	1.192481	100	1.211512								
Fluorene	80	1.305665	100	1.326577								
2-Fluorobiphenyl	80	1.204291	100	1.24033								
2-Fluorophenol	160	1.101251	200	1.111221								
Hexachlorobenzene	80	0.2366873	100	0.2470671								
Hexachlorobutadiene	80	0.1811536	100	0.1883923								
Hexachlorocyclopentadiene	80	0.3839658	100	0.4105745								
Hexachloroethane	80	0.5306981	100	0.5387239								
Indeno(1,2,3-cd)pyrene	80	1.075263	100	1.17113								
Isophorone	80	0.7247781	100	0.73083								
1-Methylnaphthalene	80	0.5632671	100	0.5691244								
2-Methylnaphthalene	80	0.577124	100	0.5814146								
2-Methylphenol	80	1.186174	100	1.175301								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1236001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.25282	100	1.246708								
4-Methylphenol	80	1.25282	100	1.246708								
3-Methylphenol/4-Methylphenol	80	1.25282	100	1.246708								
Naphthalene	80	0.929288	100	0.9247047								
4-Nitroaniline	80	0.3041842	100	0.3101441								
3-Nitroaniline	80	0.3160066	100	0.3209305								
2-Nitroaniline	80	0.3679269	100	0.3808217								
Nitrobenzene	80	0.3959025	100	0.4026269								
Nitrobenzene-d5	80	0.3956873	100	0.4070452								
4-Nitrophenol	80	0.2875644	100	0.2922439								
2-Nitrophenol	80	0.1898848	100	0.1924385								
N-Nitrosodimethylamine	80	0.6770774	100	0.6814722								
N-Nitrosodiphenylamine	80	0.6421856	100	0.6601622								
N-Nitroso-di-n-propylamine	80	1.01735	100	1.009302								
Pentachlorophenol	80	0.1689527	100	0.1764541								
Phenanthrene	80	1.02087	100	1.029906								
Phenol	80	1.657873	100	1.678155								
Phenol-d6	160	1.528019	200	1.530415								
Pyrene	80	1.10517	100	1.119951								
Pyridine	80	1.469181	100	1.49947								
Terphenyl-d14	80	0.7229046	100	0.7432138								
1,2,4,5-Tetrachlorobenzene					5	0.3479122	10	0.3558868	20	0.3284806	40	0.3388667
2,3,4,6-Tetrachlorophenol	80	0.3293547	100	0.3450346								
2,4,6-Tribromophenol	160	0.1116489	200	0.1192761								
1,2,4-Trichlorobenzene	80	0.3260549	100	0.3352601								
2,4,6-Trichlorophenol	80	0.3790248	100	0.3940451								
2,4,5-Trichlorophenol	80	0.4068398	100	0.4243071								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1236001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.789068	60	1.770735	80	1.812049	100	1.776326				
Aniline												
Anthracene												
Atrazine	50	0.2359177	60	0.2321698	80	0.234271	100	0.2307739				
Benzaldehyde	50	0.9817363	60	0.9635899	80	0.9526789	100	0.8968237				
Benzidine	50	0.6420753	60	0.6442256	80	0.6312912	100	0.6103486				
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50	1.43195	60	1.402475	80	1.465295	100	1.405265				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1144193	60	0.1176165	80	0.1139048	100	0.1166416				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1236001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50	0.412504	60	0.4101254	80	0.4135013	100	0.4131389				
2,6-Dichlorophenol	50	0.2904992	60	0.3021215	80	0.2987647	100	0.297978				
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	50	0.5272408	60	0.5401001	80	0.5695672	100	0.5195493				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1236001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.3278198	60	0.3307788	80	0.3290598	100	0.3234578				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1236001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.110356	5.288297	10.29162	9.343479E-02			CCC (30)	
Acenaphthylene	1.725208	7.224824	10.072	8.837624E-02			15	
Acetophenone	1.801986	2.623006	6.9	0.0512758			15	
Aniline	2.099397	4.808313	5.967	0.2001409			15	
Anthracene	1.092671	7.109126	12.18775	7.884876E-02			15	
Atrazine	0.2344682	1.991174	11.74575	4.943708E-02			15	
Benzaldehyde	1.010105	7.862294	5.825625	7.236361E-02			15	
Benzidine	0.641297	2.654446	13.97425	4.038824E-02			15	
Benzo(a)anthracene	1.119297	4.274256	16.23525	0.0816524			15	
Benzo(a)pyrene	1.045862	3.535372	18.9035	0.1146499			CCC (30)	
Benzo(b)fluoranthene	1.093698	4.048684	18.29662	0.1113231			15	
Benzo(g,h,i)perylene	1.033139	3.890508	21.8865	0.2082456			15	
Benzoic acid	0.2679395	11.20773	7.781571	0.6947302			15	
Benzo(k)fluoranthene	1.107729	5.157595	18.3555	0.1297645			15	
Benzyl alcohol	0.8667655	4.400766	6.566875	0.2166256			15	
1,1-Biphenyl	1.444453	3.67168	9.52625	3.810599E-02			15	
4-Bromophenyl-phenylether	0.2284778	5.008035	11.5395	7.035777E-02			15	
Butylbenzylphthalate	0.5129818	3.492853	15.25225	6.767508E-02			15	
Caprolactam	0.1128421	5.193073	8.55075	0.1563915			15	
Carbazole	1.044381	6.624112	12.39137	8.639464E-02			15	
4-Chloro-3-methylphenol	0.3113523	4.210752	8.736125	0.1038012			CCC (30)	
4-Chloroaniline	0.4225325	6.038149	8.122625	0.1175516			15	
Bis(2-chloroethoxy)methane	0.4269873	6.185734	7.725875	0.1308561			15	
Bis(2-chloroethyl)ether	1.297842	5.559542	6.0525	0.1902114			15	
2,2'-Oxybis-1-chloropropane	1.947114	6.010514	6.7435	0.131801			15	
2-Chloronaphthalene	1.087766	6.697976	9.5495	8.079271E-02			15	
2-Chlorophenol	1.315004	4.624341	6.11375	0.1645746			15	
4-Chlorophenyl phenyl ether	0.6233489	4.843106	10.93262	7.540016E-02			15	
Chrysene	1.047865	6.082994	16.30862	0.1078386			15	
Dibenz(a,h)anthracene	1.004478	5.185987	21.30563	0.1755433			15	
Dibenzofuran	1.535116	6.402871	10.50525	9.099792E-02			15	
Di-n-butylphthalate	1.182012	6.755142	12.86425	6.288496E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1236001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	4/29/11 17:45	4/30/11 1:58	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.444956	5.467	6.410625	0.1248613			CCC (30)	
1,3-Dichlorobenzene	1.427751	6.184247	6.312875	0.105711			15	
1,2-Dichlorobenzene	1.353765	5.754592	6.6015	9.658535E-02			15	
3,3'-Dichlorobenzidine	0.4067228	2.641037	16.20337	3.259867E-02			15	
2,6-Dichlorophenol	0.298478	1.900014	8.1265	4.341722E-02			15	
2,4-Dichlorophenol	0.3046728	4.192991	7.844125	0.1362117			CCC (30)	
Diethylphthalate	1.194731	6.529918	10.80025	0.1137489			15	
2,4-Dimethylphenol	0.3636609	4.326679	7.594375	0.1603634			15	
Dimethyl phthalate	1.24444	5.685732	9.930375	0.1671862			15	
4,6-Dinitro-2-methylphenol	0.1454148	8.990807	11.00038	0.1679983			15	
2,4-Dinitrophenol	0.1854397	12.00123	10.33129	0.1179144			SPCC (0.05)	
2,4-Dinitrotoluene	0.3929838	4.396053	10.49525	0.1523157			15	
2,6-Dinitrotoluene	0.2991862	4.878435	9.996875	0.1438581			15	
Di-n-octylphthalate	1.204345	4.453443	17.67838	7.317373E-02			CCC (30)	
1,4-Dioxane	0.5405832	3.738713	2.966125	0.8455495			15	
1,2-Diphenylhydrazine	0.8507103	6.449692	11.13088	9.327424E-02			15	
Bis(2-ethylhexyl)phthalate	0.6793074	3.73062	16.37963	6.115675E-02			15	
Fluoranthene	1.233837	4.928638	13.7625	9.359244E-02			CCC (30)	
Fluorene	1.337519	4.748592	10.932	9.604146E-02			15	
2-Fluorobiphenyl	1.265417	5.80845	9.402	7.848969E-02			15	
2-Fluorophenol	1.142171	4.910943	4.735625	0.2045971			15	
Hexachlorobenzene	0.244362	5.012161	11.60775	8.043427E-02			15	
Hexachlorobutadiene	0.186857	4.354208	8.211375	6.390464E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3749749	6.237497	9.13225	6.029786E-02			SPCC (0.05)	
Hexachloroethane	0.5464632	4.780522	7.037625	8.255052E-02			15	
Indeno(1,2,3-cd)pyrene	1.038008	7.706288	21.23487	0.170273			15	
Isophorone	0.7442763	4.76768	7.447	0.2320769			15	
1-Methylnaphthalene	0.5872691	6.161856	9.060125	8.180225E-02			15	
2-Methylnaphthalene	0.5974192	5.83851	8.935875	7.367129E-02			15	
2-Methylphenol	1.208635	4.251053	6.698875	0.1714391			15	
3-Methylphenol	1.268409	4.36657	6.9085	0.2477057			15	
4-Methylphenol	1.268409	4.36657	6.9085	0.2477057			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1236001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.268409	4.36657	6.9085	0.2477057			15	
Naphthalene	0.9958993	8.109498	8.05525	8.805836E-02			15	
4-Nitroaniline	0.3272887	5.141507	10.96663	0.2298598			15	
3-Nitroaniline	0.3230815	4.120651	10.20188	0.1592925			15	
2-Nitroaniline	0.3700237	3.241441	9.68	0.1125277			15	
Nitrobenzene	0.4107927	4.625764	7.1275	0.1614281			15	
Nitrobenzene-d5	0.4075494	4.033426	7.1015	0.150497			15	
4-Nitrophenol	0.2721678	8.409371	10.40112	0.1699928			SPCC (0.05)	
2-Nitrophenol	0.1941449	3.724196	7.534125	0.1204379			CCC (30)	
N-Nitrosodimethylamine	0.6846222	3.277093	3.268625	0.4561992			15	
N-Nitrosodiphenylamine	0.6728889	6.054145	11.08487	0.122818			CCC (30)	
N-Nitroso-di-n-propylamine	1.033966	4.50625	6.924	0.341437			SPCC (0.05)	
Pentachlorophenol	0.1623094	7.444734	11.84938	7.159059E-02			CCC (30)	
Phenanthrene	1.075866	6.933794	12.12375	8.032742E-02			15	
Phenol	1.687698	4.315264	5.922875	0.2981099			CCC (30)	
Phenol-d6	1.572986	4.940559	5.90625	0.2878739			15	
Pyrene	1.163766	5.943883	14.11538	0.0929633			15	
Pyridine	1.482807	3.139741	3.313875	0.4229696			15	
Terphenyl-d14	0.7462196	4.435465	14.37887	7.151091E-02			15	
1,2,4,5-Tetrachlorobenzene	0.3352828	3.377528	9.142125	3.575815E-02			15	
2,3,4,6-Tetrachlorophenol	0.3340715	4.320893	10.65287	9.534642E-02			15	
2,4,6-Tribromophenol	0.109869	4.778459	11.23037	0.1037614			15	
1,2,4-Trichlorobenzene	0.3421719	6.002622	7.953	8.322603E-02			15	
2,4,6-Trichlorophenol	0.382004	3.768651	9.2885	6.754752E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4142645	3.869354	9.329125	9.747652E-02			15	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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
3,3'-Dichlorobenzidine												
Acenaphthene	5	1.272652	10	1.311372	20	1.323647	40	1.329965	50	1.351067	60	1.30412
Acenaphthylene	5	1.884277	10	1.965761	20	2.081394	40	2.02626	50	2.090465	60	2.088915
Acetophenone												
Aniline	5	2.313954	10	2.307858	20	2.400444	40	2.378872	50	2.417697	60	2.283459
Anthracene	5	1.014701	10	1.074329	20	1.194854	40	1.141272	50	1.137575	60	1.107698
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.015848	10	1.043348	20	1.18179	40	1.087591	50	1.17803	60	1.148772
Benzo(a)pyrene	5	0.8871654	10	0.8868113	20	0.9978811	40	0.9541507	50	0.9998728	60	0.9838674
Benzo(b)fluoranthene	5	0.9653354	10	1.010248	20	1.158223	40	1.100112	50	1.214586	60	1.194915
Benzo(g,h,i)perylene	5	0.7664629	10	0.8022213	20	0.7811349	40	0.8163621	50	0.8203291	60	0.8130618
Benzoic acid	5	9.956592E-02	10	0.1125329	20	0.1532093	40	0.1949754	50	0.2079077	60	0.2081039
Benzo(k)fluoranthene	5	1.06054	10	1.120793	20	1.264311	40	1.098289	50	1.158465	60	1.105056
Benzyl alcohol	5	0.9804126	10	0.9494052	20	1.009035	40	1.019565	50	1.031349	60	1.031045
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.1973487	10	0.218791	20	0.2151627	40	0.2067734	50	0.2245211	60	0.201407
Butylbenzylphthalate	5	0.6714491	10	0.7248523	20	0.8434218	40	0.7936063	50	0.8406605	60	0.8329474
Caprolactam												
Carbazole	5	0.9362096	10	0.9711944	20	1.033499	40	1.051206	50	1.054712	60	1.01577
4-Chloro-3-methylphenol	5	0.2210618	10	0.2278447	20	0.2534868	40	0.2599877	50	0.2618972	60	0.2669216
4-Chloroaniline	5	0.4395974	10	0.4576648	20	0.5030711	40	0.4782222	50	0.4988461	60	0.4754224
Bis(2-chloroethoxy)methane	5	0.4612089	10	0.4733015	20	0.4825366	40	0.4797951	50	0.5066217	60	0.467592
Bis(2-chloroethyl)ether	5	1.522901	10	1.564619	20	1.653871	40	1.570775	50	1.676716	60	1.603609
2,2'-Oxybis-1-chloropropane	5	2.359253	10	2.404821	20	2.479478	40	2.392791	50	2.512036	60	2.411918
2-Chloronaphthalene	5	1.198309	10	1.212335	20	1.242325	40	1.25038	50	1.28167	60	1.256246
2-Chlorophenol	5	1.5648	10	1.544465	20	1.657794	40	1.60432	50	1.670273	60	1.617633
4-Chlorophenyl phenyl ether	5	0.5835591	10	0.5878861	20	0.5915299	40	0.5530234	50	0.5740171	60	0.5468967
Chrysene	5	1.090598	10	1.072889	20	1.144748	40	1.074555	50	1.108901	60	1.067109
Dibenz(a,h)anthracene	5	0.7105238	10	0.7599928	20	0.7664358	40	0.8081991	50	0.840125	60	0.8425108

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11_15:15 11/4/11_22:54

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
Dibenzofuran	5	1.68194	10	1.70263	20	1.776887	40	1.734323	50	1.824426	60	1.812186
Di-n-butylphthalate	5	1.36258	10	1.481476	20	1.646427	40	1.627553	50	1.699517	60	1.654541
1,4-Dichlorobenzene	5	1.608165	10	1.595894	20	1.696962	40	1.585817	50	1.657931	60	1.599678
1,3-Dichlorobenzene	5	1.601289	10	1.567272	20	1.658652	40	1.572544	50	1.626057	60	1.587157
1,2-Dichlorobenzene	5	1.502176	10	1.529918	20	1.575872	40	1.54013	50	1.574078	60	1.499384
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2421002	10	0.2560641	20	0.2746218	40	0.2699977	50	0.2836223	60	0.2678889
Diethylphthalate	5	1.321508	10	1.33964	20	1.442808	40	1.438193	50	1.480589	60	1.503709
2,4-Dimethylphenol	5	0.3034479	10	0.3037897	20	0.3227829	40	0.3176188	50	0.3357654	60	0.317256
Dimethyl phthalate	5	1.288671	10	1.376632	20	1.431105	40	1.391375	50	1.427683	60	1.458557
4,6-Dinitro-2-methylphenol	5	3.788847E-02	10	5.494103E-02	20	8.649743E-02	40	0.1139049	50	0.1174462	60	0.122635
2,4-Dinitrophenol	5	3.154144E-02	10	5.239377E-02	20	8.015143E-02	40	0.1109175	50	0.1282205	60	0.1456018
2,4-Dinitrotoluene	5	0.2076892	10	0.2703727	20	0.3342653	40	0.3670077	50	0.3924319	60	0.4055555
2,6-Dinitrotoluene	5	0.2121692	10	0.2665708	20	0.2969508	40	0.3147541	50	0.335151	60	0.3389892
Di-n-octylphthalate	5	1.181265	10	1.618708	20	2.084701	40	1.954475	50	2.078125	60	2.213467
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.839611	10	0.861327	20	0.9179756	40	0.9716433	50	0.9561756	60	0.9731494
Bis(2-ethylhexyl)phthalate	5	0.8330823	10	0.9714445	20	1.15391	40	1.156039	50	1.189834	60	1.175358
Fluoranthene	5	1.017107	10	1.063113	20	1.131974	40	1.122945	50	1.080313	60	1.062854
Fluorene	5	1.183658	10	1.260592	20	1.314289	40	1.275369	50	1.239553	60	1.224153
2-Fluorobiphenyl	5	1.388417	10	1.446904	20	1.510426	40	1.414009	50	1.535882	60	1.502107
2-Fluorophenol	10	1.496892	20	1.557747	40	1.661005	80	1.583907	100	1.605578	120	1.573341
Hexachlorobenzene	5	0.2522405	10	0.2487074	20	0.2616103	40	0.2477297	50	0.2643381	60	0.2454933
Hexachlorobutadiene	5	0.1428792	10	0.1466348	20	0.1557169	40	0.150107	50	0.1526147	60	0.1438227
Hexachlorocyclopentadiene	5	0.2999525	10	0.3252934	20	0.3484359	40	0.3620183	50	0.3716161	60	0.3680673
Hexachloroethane	5	0.5930411	10	0.6104019	20	0.6630424	40	0.6327137	50	0.6589808	60	0.6520743
Indeno(1,2,3-cd)pyrene	5	0.7341907	10	0.7538516	20	0.7496275	40	0.8331041	50	0.8307062	60	0.8092172
Isophorone	5	0.6607813	10	0.6888071	20	0.7215199	40	0.7078381	50	0.7384669	60	0.7152259
1-Methylnaphthalene	5	0.5220099	10	0.5361592	20	0.5632822	40	0.5504452	50	0.543161	60	0.5467833
2-Methylnaphthalene	5	0.5292173	10	0.5598834	20	0.5569471	40	0.5591277	50	0.5525186	60	0.5502538
2-Methylphenol	5	1.284356	10	1.305623	20	1.421998	40	1.375014	50	1.4261	60	1.354654

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 1314005
Instrument: MS-BNA1
Matrix: Water
Calibration Dates: 11/4/11_15:15 11/4/11_22:54

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	1.277129	10	1.380914	20	1.448446	40	1.421571	50	1.469597	60	1.444581
4-Methylphenol	5	1.277129	10	1.380914	20	1.448446	40	1.421571	50	1.469597	60	1.444581
3-Methylphenol/4-Methylphenol	5	1.277129	10	1.380914	20	1.448446	40	1.421571	50	1.469597	60	1.444581
Naphthalene	5	1.085014	10	1.120473	20	1.186624	40	1.151642	50	1.181206	60	1.117115
4-Nitroaniline	5	0.2034151	10	0.2471458	20	0.2950703	40	0.3096398	50	0.3254447	60	0.3397205
3-Nitroaniline	5	0.2678177	10	0.308305	20	0.3522986	40	0.3896785	50	0.402321	60	0.3930731
2-Nitroaniline	5	0.184914	10	0.2258402	20	0.2556024	40	0.2900138	50	0.3271669	60	0.3031216
Nitrobenzene	5	0.2731853	10	0.2917474	20	0.3081108	40	0.3157288	50	0.3355745	60	0.3226066
Nitrobenzene-d5	5	0.2864537	10	0.2929746	20	0.3264694	40	0.3321533	50	0.3489327	60	0.3354451
4-Nitrophenol	5	0.1004604	10	0.1380682	20	0.159504	40	0.1770832	50	0.1877285	60	0.1998305
2-Nitrophenol	5	0.1546934	10	0.1629068	20	0.1925861	40	0.2052308	50	0.2212935	60	0.2185054
N-Nitrosodimethylamine	5	0.6557832	10	0.6636515	20	0.6564386	40	0.6370875	50	0.6456879	60	0.6234337
N-Nitrosodiphenylamine	5	0.687303	10	0.6786133	20	0.7407676	40	0.7135967	50	0.7435165	60	0.7379859
N-Nitroso-di-n-propylamine	5	0.7945501	10	0.8709679	20	0.9300256	40	0.8796787	50	0.9351778	60	0.9009126
Pentachlorophenol	5	0.116285	10	0.1296632	20	0.1533955	40	0.1609632	50	0.1696689	60	0.1667943
Phenanthrene	5	1.061925	10	1.099114	20	1.15767	40	1.119814	50	1.13459	60	1.081313
Phenol	5	1.996923	10	1.969319	20	2.120134	40	2.028075	50	2.105697	60	1.936101
Phenol-d6	10	1.961568	20	1.916537	40	2.067603	80	1.993454	100	2.038491	120	1.931338
Pyrene	5	1.326531	10	1.404193	20	1.607984	40	1.469648	50	1.508671	60	1.436886
Pyridine	5	1.578904	10	1.691332	20	1.755072	40	1.641298	50	1.649935	60	1.581077
Terphenyl-d14	5	0.8730594	10	0.8895711	20	1.034804	40	0.9225361	50	0.9806631	60	0.9160894
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2611341	10	0.2728364	20	0.2854247	40	0.2958158	50	0.3019279	60	0.2981124
2,4,6-Tribromophenol	10	0.134868	20	0.1422795	40	0.1596463	80	0.1559219	100	0.1605292	120	0.1503074
1,2,4-Trichlorobenzene	5	0.2705317	10	0.2796161	20	0.2886802	40	0.2829964	50	0.2784452	60	0.2730939
2,4,6-Trichlorophenol	5	0.3433235	10	0.3391355	20	0.3744948	40	0.3748241	50	0.3922471	60	0.3675811
2,4,5-Trichlorophenol	5	0.3431782	10	0.3390316	20	0.3706545	40	0.3789519	50	0.400699	60	0.4074271

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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
3,3'-Dichlorobenzidine					5	0.2634931	10	0.2957996	20	0.321684	40	0.3388517
Acenaphthene	80	1.290209	100	1.202994								
Acenaphthylene	80	1.971751	100	1.994573								
Acetophenone					5	1.544417	10	1.643647	20	1.655666	40	1.65259
Aniline	80	2.168424	100	2.076891								
Anthracene	80	1.067308	100	1.095935								
Atrazine					5	0.1761262	10	0.1858814	20	0.194869	40	0.1956574
Benzaldehyde					5	1.108584	10	1.147186	20	1.127427	40	1.127406
Benzidine					5	0.4434236	10	0.5460193	20	0.6041485	40	0.7064853
Benzo(a)anthracene	80	1.102598	100	1.074463								
Benzo(a)pyrene	80	1.002024	100	0.9774605								
Benzo(b)fluoranthene	80	1.114987	100	1.139244								
Benzo(g,h,i)perylene	80	0.7430025	100	0.7189062								
Benzoic acid	80	0.229673	100	0.2224301								
Benzo(k)fluoranthene	80	1.249212	100	1.139605								
Benzyl alcohol	80	0.9925108	100	0.9924269								
1,1-Biphenyl					5	1.613619	10	1.616952	20	1.633833	40	1.609786
4-Bromophenyl-phenylether	80	0.2010971	100	0.2020731								
Butylbenzylphthalate	80	0.844922	100	0.8104805								
Caprolactam					5	7.874285E-02	10	8.693781E-02	20	9.583275E-02	40	0.104657
Carbazole	80	0.9682277	100	1.06317								
4-Chloro-3-methylphenol	80	0.2676841	100	0.2515873								
4-Chloroaniline	80	0.4738272	100	0.4523965								
Bis(2-chloroethoxy)methane	80	0.4827923	100	0.4565805								
Bis(2-chloroethyl)ether	80	1.607898	100	1.566265								
2,2'-Oxybis-1-chloropropane	80	2.405227	100	2.344961								
2-Chloronaphthalene	80	1.212657	100	1.146463								
2-Chlorophenol	80	1.623814	100	1.590907								
4-Chlorophenyl phenyl ether	80	0.4974229	100	0.4689046								
Chrysene	80	1.048377	100	1.040365								
Dibenz(a,h)anthracene	80	0.7941651	100	0.7765941								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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
Dibenzofuran	80	1.728295	100	1.652411								
Di-n-butylphthalate	80	1.562625	100	1.599769								
1,4-Dichlorobenzene	80	1.561664	100	1.492871								
1,3-Dichlorobenzene	80	1.568772	100	1.50954								
1,2-Dichlorobenzene	80	1.503392	100	1.427366								
2,6-Dichlorophenol					5	0.2222393	10	0.2423777	20	0.2469832	40	0.2544101
2,4-Dichlorophenol	80	0.2645707	100	0.2567669								
Diethylphthalate	80	1.420975	100	1.411856								
2,4-Dimethylphenol	80	0.3215533	100	0.3097807								
Dimethyl phthalate	80	1.421413	100	1.291328								
4,6-Dinitro-2-methylphenol	80	0.132323	100	0.1405097								
2,4-Dinitrophenol	80	0.1520823	100	0.1634822								
2,4-Dinitrotoluene	80	0.4159038	100	0.4113676								
2,6-Dinitrotoluene	80	0.3367888	100	0.334537								
Di-n-octylphthalate	80	~~2.498908~~	100	~~2.333372~~								
1,4-Dioxane					5	0.6302292	10	0.5940191	20	0.5904621	40	0.5809991
1,2-Diphenylhydrazine	80	0.9767145	100	1.050288								
Bis(2-ethylhexyl)phthalate	80	1.22624	100	1.178866								
Fluoranthene	80	1.018815	100	1.045764								
Fluorene	80	1.082808	100	1.049697								
2-Fluorobiphenyl	80	1.41641	100	1.32497								
2-Fluorophenol	160	1.589738	200	1.516504								
Hexachlorobenzene	80	0.2408909	100	0.2435389								
Hexachlorobutadiene	80	0.1387779	100	0.1283733								
Hexachlorocyclopentadiene	80	0.3653466	100	0.3442967								
Hexachloroethane	80	0.6313428	100	0.6107314								
Indeno(1,2,3-cd)pyrene	80	0.7785119	100	0.7903143								
Isophorone	80	0.7164151	100	0.6905677								
1-Methylnaphthalene	80	0.5215357	100	0.4964567								
2-Methylnaphthalene	80	0.5182636	100	0.4873881								
2-Methylphenol	80	1.355394	100	1.321512								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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	1.434074	100	1.370975								
4-Methylphenol	80	1.434074	100	1.370975								
3-Methylphenol/4-Methylphenol	80	1.434074	100	1.370975								
Naphthalene	80	1.100248	100	1.029784								
4-Nitroaniline	80	0.3554564	100	0.3563967								
3-Nitroaniline	80	0.4096332	100	0.3994606								
2-Nitroaniline	80	0.3181927	100	0.3185814								
Nitrobenzene	80	0.3303327	100	0.3248576								
Nitrobenzene-d5	80	0.3476462	100	0.3376567								
4-Nitrophenol	80	0.2000154	100	0.1986697								
2-Nitrophenol	80	0.2186554	100	0.2174075								
N-Nitrosodimethylamine	80	0.6181812	100	0.6014511								
N-Nitrosodiphenylamine	80	0.6645543	100	0.6930501								
N-Nitroso-di-n-propylamine	80	0.9136095	100	0.9238803								
Pentachlorophenol	80	0.1603968	100	0.1749228								
Phenanthrene	80	1.011493	100	1.117417								
Phenol	80	1.991659	100	1.875052								
Phenol-d6	160	1.88059	200	1.792802								
Pyrene	80	1.433481	100	1.358285								
Pyridine	80	1.590666	100	1.621795								
Terphenyl-d14	80	0.9225653	100	0.8661808								
1,2,4,5-Tetrachlorobenzene					5	0.2405748	10	0.2382404	20	0.2499044	40	0.2406159
2,3,4,6-Tetrachlorophenol	80	0.2863892	100	0.2734016	5		10		20		40	
2,4,6-Tribromophenol	160	0.1463607	200	0.1540049								
1,2,4-Trichlorobenzene	80	0.2701269	100	0.2566116								
2,4,6-Trichlorophenol	80	0.3634656	100	0.3585351								
2,4,5-Trichlorophenol	80	0.3927812	100	0.3659207								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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
3,3'-Dichlorobenzidine	50	0.372234	60	0.3810347	80	0.3883848	100	0.3863361				
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.775377	60	1.775747	80	1.749948	100	1.765164				
Aniline												
Anthracene												
Atrazine	50	0.2037446	60	0.2070152	80	0.2065077	100	0.1958784				
Benzaldehyde	50	1.191772	60	1.181127	80	1.181401	100	1.126373				
Benzidine	50	0.7965747	60	0.7408027	80	0.8281847	100	0.8271391				
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	1.732383	60	1.7423	80	1.613118	100	1.549493				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1089345	60	0.1137101	80	0.1128504	100	0.1138012				
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												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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
Dibenzofuran												
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
2,6-Dichlorophenol	50	0.2666153	60	0.2693674	80	0.2599274	100	0.2626485				
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	0.6220546	60	0.6261555	80	0.6263855	100	0.605017				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

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	0.2511436	60	0.2489871	80	0.2366564	100	0.2315693				
2,3,4,6-Tetrachlorophenol	50		60		80		100					
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1314005		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	11/4/11 15:15	11/4/11 22:54

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3,3'-Dichlorobenzidine	0.3434772	13.59259	14.95375	2.965545E-02			15	
Acenaphthene	1.298253	3.498537	9.499375	5.351999E-02			CCC (30)	
Acenaphthylene	2.012924	3.634181	9.266125	4.019884E-02			15	
Acetophenone	1.69532	4.964233	6.139125	7.460045E-02			15	
Aniline	2.29345	5.144325	5.2075	9.771714E-02			15	
Anthracene	1.104209	4.966234	11.325	3.851806E-02			15	
Atrazine	0.19571	5.427508	10.9765	6.770277E-02			15	
Benzaldehyde	1.14891	2.750797	5.016	0.0202269			15	
Benzidine	0.6865972	20.66508	12.95013	0.0359724	0.996025		0.995	
Benzo(a)anthracene	1.104055	5.53381	14.93425	5.741487E-02			15	
Benzo(a)pyrene	0.9611542	5.028277	17.4285	4.908905E-02			CCC (30)	
Benzo(b)fluoranthene	1.112206	7.771083	16.86187	4.472156E-02			15	
Benzo(g,h,i)perylene	0.7826851	4.771669	19.768	5.314759E-02			15	
Benzoic acid	0.1785498	28.22893	7.0415	0.8296019	0.9968523		0.995	
Benzo(k)fluoranthene	1.149534	6.293554	16.90488	6.628121E-02			15	
Benzyl alcohol	1.000719	2.791817	5.803	9.226691E-02			15	
1,1-Biphenyl	1.638936	3.999936	8.738625	0.0554921			15	
4-Bromophenyl-phenylether	0.2083968	4.731703	10.71075	2.877792E-02			15	
Butylbenzylphthalate	0.7952925	8.063637	14.12525	3.253015E-02			15	
Caprolactam	0.1019333	13.136	7.7595	0.2526571			15	
Carbazole	1.011749	4.692943	11.53838	2.853738E-02			15	
4-Chloro-3-methylphenol	0.2513089	7.005438	8.014	5.447183E-02			CCC (30)	
4-Chloroaniline	0.472381	4.65069	7.381	0.0520624			15	
Bis(2-chloroethoxy)methane	0.4763036	3.285344	6.9855	9.660845E-02			15	
Bis(2-chloroethyl)ether	1.595832	3.169849	5.29675	0.1013235			15	
2,2'-Oxybis-1-chloropropane	2.413811	2.337087	6.00525	6.469369E-02			15	
2-Chloronaphthalene	1.225048	3.425295	8.748125	4.014091E-02			15	
2-Chlorophenol	1.609251	2.667227	5.340625	3.106814E-02			15	
4-Chlorophenyl phenyl ether	0.550405	8.189166	10.1255	0.0328386			15	
Chrysene	1.080943	3.117716	15.01012	5.297234E-02			15	
Dibenz(a,h)anthracene	0.7873183	5.580517	19.36738	0.041396			15	
Dibenzofuran	1.739137	3.524606	9.693375	7.301924E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1314005	Instrument:	MS-BNA1		
Matrix:	Water	Calibration Dates:	11/4/11 15:15	11/4/11 22:54	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Di-n-butylphthalate	1.579311	6.943725	12.036	3.251667E-02			15	
1,4-Dichlorobenzene	1.599873	3.808517	5.594625	2.988372E-02			CCC (30)	
1,3-Dichlorobenzene	1.58641	2.797939	5.526	3.047539E-02			15	
1,2-Dichlorobenzene	1.519039	3.161252	5.838375	0.0330523			15	
2,6-Dichlorophenol	0.2530711	6.142598	7.380625	2.504419E-02			15	
2,4-Dichlorophenol	0.2644541	4.830969	7.084125	7.810536E-02			CCC (30)	
Diethylphthalate	1.41991	4.434664	10.07313	8.126728E-02			15	
2,4-Dimethylphenol	0.3164993	3.409328	6.864875	7.161653E-02			15	
Dimethyl phthalate	1.385845	4.631869	9.21125	8.663602E-02			15	
4,6-Dinitro-2-methylphenol	0.1007682	37.05855	10.25138	0.1104282		0.9994927	0.99	
2,4-Dinitrophenol	0.1080489	45.02391	9.569125	7.666885E-02		0.9963263	SPCC (0.05)	
2,4-Dinitrotoluene	0.3505742	21.59578	9.760875	8.729566E-02	0.9989732		0.995	
2,6-Dinitrotoluene	0.3044889	14.79164	9.288125	7.598251E-02			15	
Di-n-octylphthalate	1.855124	20.88688	16.2915	2.942614E-02	0.9951039		CCC (30)	
1,4-Dioxane	0.6094153	3.152893	2.297	0.1896706			15	
1,2-Diphenylhydrazine	0.9433606	7.226891	10.31088	3.456388E-02			15	
Bis(2-ethylhexyl)phthalate	1.110597	12.21504	15.17225	2.661934E-02			15	
Fluoranthene	1.067861	4.007124	12.74788	3.321849E-02			CCC (30)	
Fluorene	1.203765	7.757419	10.11338	6.626168E-02			15	
2-Fluorobiphenyl	1.442391	4.911924	8.640875	4.022923E-02			15	
2-Fluorophenol	1.573089	3.261129	4.013125	8.674135E-02			15	
Hexachlorobenzene	0.2505686	3.35494	10.88587	2.925016E-02			15	
Hexachlorobutadiene	0.1448658	5.96381	7.510375	3.562718E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3481283	7.115938	8.43725	2.564003E-02			SPCC (0.05)	
Hexachloroethane	0.6315411	4.028286	6.23725	3.553511E-02			15	
Indeno(1,2,3-cd)pyrene	0.7849404	4.782063	19.3265	5.600263E-02			15	
Isophorone	0.7049527	3.416961	6.67075	0.1129943			15	
1-Methylnaphthalene	0.5349792	3.921483	8.278625	4.378636E-02			15	
2-Methylnaphthalene	0.5392	4.786108	8.143	0.0355832			15	
2-Methylphenol	1.355581	3.791565	5.982125	0.0603672			15	
3-Methylphenol	1.405911	4.403487	6.1835	8.987954E-02			15	
4-Methylphenol	1.405911	4.403487	6.1835	8.987954E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1314005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	11/4/11 15:15 11/4/11 22:54

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.405911	4.403487	6.1835	8.987954E-02			15	
Naphthalene	1.121513	4.636777	7.26375	5.595974E-02			15	
4-Nitroaniline	0.3040362	17.83843	10.20737	0.1548282	0.9981183		0.995	
3-Nitroaniline	0.3653235	14.18155	9.450625	9.337966E-02			15	
2-Nitroaniline	0.2779291	18.4181	8.9345	3.806184E-02	0.9979848		0.995	
Nitrobenzene	0.312768	6.739993	6.367625	8.016057E-02			15	
Nitrobenzene-d5	0.3259665	7.252527	6.341875	7.495405E-02			15	
4-Nitrophenol	0.17017	21.00382	9.67025	8.302716E-02	0.9986064		SPCC (0.05)	
2-Nitrophenol	0.1989099	13.36668	6.784375	4.068524E-02			CCC (30)	
N-Nitrosodimethylamine	0.6377143	3.412073	2.62275	7.855476E-02			15	
N-Nitrosodiphenylamine	0.7074234	4.362165	10.28537	7.705786E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.8936003	5.170455	6.195625	0.1465548			SPCC (0.05)	
Pentachlorophenol	0.1540112	13.33264	11.10612	3.809497E-02			CCC (30)	
Phenanthrene	1.097917	4.19042	11.2735	2.334914E-02			15	
Phenol	2.00287	4.093006	5.21	0.2093801			CCC (30)	
Phenol-d6	1.947798	4.535952	5.194125	0.1803891			15	
Pyrene	1.44321	6.120514	13.05038	0.0337791			15	
Pyridine	1.63876	3.714295	2.61525	0.2383931			15	
Terphenyl-d14	0.9256836	6.14577	13.30362	3.419358E-02			15	
1,2,4,5-Tetrachlorobenzene	0.2422115	2.919289	8.40375	2.295666E-02			15	
2,3,4,6-Tetrachlorophenol	0.2843803	5.019947	9.90325	4.744873E-02			15	
2,4,6-Tribromophenol	0.1504897	5.917005	10.43875	4.803125E-02			15	
1,2,4-Trichlorobenzene	0.2750128	3.556766	7.192875	6.311396E-02			15	
2,4,6-Trichlorophenol	0.3642009	4.771139	8.543375	4.117461E-02			CCC (30)	
2,4,5-Trichlorophenol	0.3748305	6.727515	8.5825	4.122785E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	50.99	1.110356	1.132237		2.0	20
Acenaphthylene	A	50.00	52.08	1.725208	1.796804		4.1	20
Anthracene	A	50.00	53.21	1.092671	1.162801		6.4	20
Benzo(a)anthracene	A	50.00	53.94	1.119297	1.207582		7.9	20
Benzo(a)pyrene	A	50.00	54.76	1.045862	1.145479		9.5	20
Benzo(b)fluoranthene	A	50.00	53.30	1.093698	1.165866		6.6	20
Benzo(g,h,i)perylene	A	50.00	55.29	1.033139	1.142352		10.6	20
Benzoic acid	A	50.00	56.42	0.2679395	0.302351		12.8	20
Benzo(k)fluoranthene	A	50.00	54.50	1.107729	1.207431		9.0	20
4-Bromophenyl-phenylether	A	50.00	52.91	0.2284778	0.2417889		5.8	20
Butylbenzylphthalate	A	50.00	56.82	0.5129818	0.582953		13.6	20
Carbazole	A	50.00	51.29	1.044381	1.071248		2.6	20
4-Chloro-3-methylphenol	A	50.00	52.69	0.3113523	0.3281338		5.4	20
4-Chloroaniline	A	50.00	50.78	0.4225325	0.4291082		1.6	20
Bis(2-chloroethoxy)methane	A	50.00	54.60	0.4269873	0.4662333		9.2	20
Bis(2-chloroethyl)ether	A	50.00	52.57	1.297842	1.3646		5.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.93	1.947114	2.022377		3.9	20
2-Chloronaphthalene	A	50.00	52.76	1.087766	1.147861		5.5	20
2-Chlorophenol	A	50.00	53.41	1.315004	1.404776		6.8	20
4-Chlorophenyl phenyl ether	A	50.00	51.82	0.6233489	0.6461009		3.6	20
Chrysene	A	50.00	53.37	1.047865	1.118417		6.7	20
Dibenz(a,h)anthracene	A	50.00	56.42	1.004478	1.133417		12.8	20
Dibenzofuran	A	50.00	53.17	1.535116	1.632439		6.3	20
Di-n-butylphthalate	A	50.00	52.16	1.182012	1.233187		4.3	20
2,4-Dichlorophenol	A	50.00	52.27	0.3046728	0.3185106		4.5	20
Diethylphthalate	A	50.00	52.18	1.194731	1.246888		4.4	20
2,4-Dimethylphenol	A	50.00	53.80	0.3636609	0.3913226		7.6	20
Dimethyl phthalate	A	50.00	52.08	1.24444	1.296196		4.2	20
2,4-Dinitrotoluene	A	50.00	52.99	0.3929838	0.4165004		6.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,6-Dinitrotoluene	A	50.00	53.60	0.2991862	0.3207071		7.2	20
Di-n-octylphthalate	A	50.00	55.56	1.204345	1.338299		11.1	20
1,2-Diphenylhydrazine	A	50.00	51.69	0.8507103	0.8794004		3.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.80	0.6793074	0.7445394		9.6	20
Fluoranthene	A	50.00	52.70	1.233837	1.300481		5.4	20
Fluorene	A	50.00	52.74	1.337519	1.410746		5.5	20
Hexachlorobenzene	A	50.00	53.53	0.244362	0.2616019		7.1	20
Hexachlorobutadiene	A	50.00	56.62	0.186857	0.2116138		13.2	20
Hexachlorocyclopentadiene	A	50.00	50.51	0.3749749	0.3787812	0.05	1.0	20
Hexachloroethane	A	50.00	53.43	0.5464632	0.5839846		6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.78	1.038008	1.157962		11.6	20
Isophorone	A	50.00	51.26	0.7442763	0.7630284		2.5	20
1-Methylnaphthalene	A	50.00	50.47	0.5872691	0.5928174		0.9	20
2-Methylnaphthalene	A	50.00	52.21	0.5974192	0.6238767		4.4	20
2-Methylphenol	A	50.00	52.67	1.208635	1.273291		5.3	20
3-Methylphenol/4-Methylphenol	A	50.00	51.20	1.268409	1.298786		2.4	20
Naphthalene	A	50.00	52.85	0.9958993	1.052611		5.7	20
4-Nitroaniline	A	50.00	53.01	0.3272887	0.3469818		6.0	20
3-Nitroaniline	A	50.00	53.20	0.3230815	0.3437513		6.4	20
2-Nitroaniline	A	50.00	53.86	0.3700237	0.3985975		7.7	20
Nitrobenzene	A	50.00	52.75	0.4107927	0.4333935		5.5	20
4-Nitrophenol	A	50.00	53.70	0.2721678	0.292285	0.05	7.4	20
2-Nitrophenol	A	50.00	53.57	0.1941449	0.2080171		7.1	20
N-Nitrosodiphenylamine	A	50.00	53.24	0.6728889	0.7164793		6.5	20
N-Nitroso-di-n-propylamine	A	50.00	54.25	1.033966	1.12186	0.05	8.5	20
Phenanthrene	A	50.00	53.38	1.075866	1.148675		6.8	20
Phenol	A	50.00	52.06	1.687698	1.757079		4.1	20
Pyrene	A	50.00	54.76	1.163766	1.274472		9.5	20
2,4,6-Trichlorophenol	A	50.00	53.68	0.382004	0.4101383		7.4	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4,5-Trichlorophenol	A	50.00	52.48	0.4142645	0.4348178		5.0	20
2-Fluorobiphenyl	A	50.00	54.11	1.265417	1.369371		8.2	20
2-Fluorophenol	A	100.0	114.6	1.142171	1.308424		14.6	20
Nitrobenzene-d5	A	50.00	55.94	0.4075494	0.4559688		11.9	20
Terphenyl-d14	A	50.00	54.87	0.7462196	0.8189273		9.7	20
2,4,6-Tribromophenol	A	100.0	109.2	0.109869	0.1200227		9.2	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/29/11 17:45
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV2	Injection Time:	15:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.88	1.801986	1.761675		-2.2	20
Atrazine	A	50.00	50.39	0.2344682	0.2362964		0.8	20
Benzidine	A	50.00	49.05	0.641297	0.6290564		-1.9	20
1,1-Biphenyl	A	50.00	51.20	1.444453	1.479098		2.4	20
Caprolactam	A	50.00	56.58	0.1128421	0.1276823		13.2	20
3,3'-Dichlorobenzidine	A	50.00	52.77	0.4067228	0.4292329		5.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	04/29/11 17:45
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV3	Injection Time:	17:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4,6-Dinitro-2-methylphenol	A	50.00	53.45	0.1454148	0.1554342		6.9	20
2,4-Dinitrophenol	A	50.00	61.89	0.1854397	0.2295477	0.05	23.8	20 *
Pentachlorophenol	A	50.00	56.14	0.1623094	0.1822508		12.3	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	04/29/11 17:45
Sequence:	1E12203	Injection Date:	05/02/11
Lab Sample ID:	1E12203-ICV4	Injection Time:	14:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	50.85	1.010105	1.027374		1.7	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-ICV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K31411	Injection Date:	11/04/11
Lab Sample ID:	1K31411-ICV1	Injection Time:	23:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	53.32	1.298253	1.384386		6.6	20
Acenaphthylene	A	50.00	54.67	2.012924	2.200794		9.3	20
Anthracene	A	50.00	57.81	1.104209	1.276743		15.6	20
Benzo(a)anthracene	A	50.00	57.87	1.104055	1.277831		15.7	20
Benzo(a)pyrene	A	50.00	54.67	0.9611542	1.050965		9.3	20
Benzo(b)fluoranthene	A	50.00	58.98	1.112206	1.311871		18.0	20
Benzo(g,h,i)perylene	A	50.00	46.10	0.7826851	0.7215771		-7.8	20
Benzoic acid	L	50.00	51.04	0.1785498	0.2156447		2.1	20
Benzo(k)fluoranthene	A	50.00	52.86	1.149534	1.215192		5.7	20
4-Bromophenyl-phenylether	A	50.00	55.35	0.2083968	0.2306981		10.7	20
Butylbenzylphthalate	A	50.00	57.50	0.7952925	0.9145375		15.0	20
Carbazole	A	50.00	53.59	1.011749	1.084389		7.2	20
4-Chloro-3-methylphenol	A	50.00	56.15	0.2513089	0.2822166		12.3	20
4-Chloroaniline	A	50.00	53.74	0.472381	0.5076895		7.5	20
Bis(2-chloroethoxy)methane	A	50.00	54.76	0.4763036	0.5216113		9.5	20
Bis(2-chloroethyl)ether	A	50.00	53.74	1.595832	1.715059		7.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	56.64	2.413811	2.734194		13.3	20
2-Chloronaphthalene	A	50.00	53.95	1.225048	1.321709		7.9	20
2-Chlorophenol	A	50.00	53.96	1.609251	1.736721		7.9	20
4-Chlorophenyl phenyl ether	A	50.00	52.96	0.550405	0.5829702		5.9	20
Chrysene	A	50.00	55.07	1.080943	1.19052		10.1	20
Dibenz(a,h)anthracene	A	50.00	49.78	0.7873183	0.7838465		-0.4	20
Dibenzofuran	A	50.00	55.32	1.739137	1.924062		10.6	20
Di-n-butylphthalate	A	50.00	54.27	1.579311	1.714141		8.5	20
2,4-Dichlorophenol	A	50.00	54.30	0.2644541	0.2871803		8.6	20
Diethylphthalate	A	50.00	55.45	1.41991	1.574686		10.9	20
2,4-Dimethylphenol	A	50.00	55.57	0.3164993	0.3517447		11.1	20
Dimethyl phthalate	A	50.00	52.61	1.385845	1.458173		5.2	20
4,6-Dinitro-2-methylphenol	Q	50.00	54.05	0.1007682	0.1369132		8.1	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-ICV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K31411	Injection Date:	11/04/11
Lab Sample ID:	1K31411-ICV1	Injection Time:	23:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	51.85	0.1080489	0.1362959	0.05	3.7	20
2,4-Dinitrotoluene	L	50.00	53.65	0.3505742	0.4276614		7.3	20
2,6-Dinitrotoluene	A	50.00	58.59	0.3044889	0.3567932		17.2	20
Di-n-octylphthalate	L	50.00	56.69	1.855124	2.425126		13.4	20
1,2-Diphenylhydrazine	A	50.00	58.53	0.9433606	1.104297		17.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.96	1.110597	1.287416		15.9	20
Fluoranthene	A	50.00	56.32	1.067861	1.202856		12.6	20
Fluorene	A	50.00	55.38	1.203765	1.333323		10.8	20
Hexachlorobenzene	A	50.00	55.34	0.2505686	0.2773499		10.7	20
Hexachlorobutadiene	A	50.00	58.69	0.1448658	0.1700435		17.4	20
Hexachlorocyclopentadiene	A	50.00	48.87	0.3481283	0.3402276	0.05	-2.3	20
Hexachloroethane	A	50.00	53.92	0.6315411	0.6810693		7.8	20
Indeno(1,2,3-cd)pyrene	A	50.00	49.31	0.7849404	0.7740882		-1.4	20
Isophorone	A	50.00	53.88	0.7049527	0.7596741		7.8	20
1-Methylnaphthalene	A	50.00	53.11	0.5349792	0.5682525		6.2	20
2-Methylnaphthalene	A	50.00	53.35	0.5392	0.5753753		6.7	20
2-Methylphenol	A	50.00	56.64	1.355581	1.535536		13.3	20
3-Methylphenol/4-Methylphenol	A	50.00	55.43	1.405911	1.558458		10.9	20
Naphthalene	A	50.00	59.26	1.121513	1.329256		18.5	20
4-Nitroaniline	L	50.00	51.31	0.3040362	0.3481516		2.6	20
3-Nitroaniline	A	50.00	58.77	0.3653235	0.4294313		17.5	20
2-Nitroaniline	L	50.00	52.72	0.2779291	0.3262295		5.4	20
Nitrobenzene	A	50.00	53.12	0.312768	0.3322664		6.2	20
4-Nitrophenol	L	50.00	50.63	0.17017	0.1942837	0.05	1.3	20
2-Nitrophenol	A	50.00	54.69	0.1989099	0.2175844		9.4	20
N-Nitrosodiphenylamine	A	50.00	58.02	0.7074234	0.8208261		16.0	20
N-Nitroso-di-n-propylamine	A	50.00	54.69	0.8936003	0.9774761	0.05	9.4	20
Phenanthrene	A	50.00	58.66	1.097917	1.28801		17.3	20
Phenol	A	50.00	54.57	2.00287	2.18607		9.1	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-ICV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K31411	Injection Date:	11/04/11
Lab Sample ID:	1K31411-ICV1	Injection Time:	23:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pyrene	A	50.00	54.41	1.44321	1.570416		8.8	20
2,4,6-Trichlorophenol	A	50.00	53.97	0.3642009	0.3931381		7.9	20
2,4,5-Trichlorophenol	A	50.00	54.12	0.3748305	0.4056865		8.2	20
2-Fluorobiphenyl	A	50.00	52.09	1.442391	1.502674		4.2	20
2-Fluorophenol	A	100.0	107.1	1.573089	1.684638		7.1	20
Nitrobenzene-d5	A	50.00	53.38	0.3259665	0.347985		6.8	20
Phenol-d6	A	100.0	101.2	1.947798	1.970675		1.2	20
Terphenyl-d14	A	50.00	53.08	0.9256836	0.9827773		6.2	20
2,4,6-Tribromophenol	A	100.0	100.6	0.1504897	0.1513921		0.6	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-ICV2.D	Calibration Date:	11/04/11 00:00
Sequence:	1K31411	Injection Date:	11/04/11
Lab Sample ID:	1K31411-ICV2	Injection Time:	23:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	64.57	0.3434772	0.4435739		29.1	20 *
Acetophenone	A	50.00	51.11	1.69532	1.733089		2.2	20
Atrazine	A	50.00	51.01	0.19571	0.1996786		2.0	20
Benzaldehyde	A	50.00	51.31	1.14891	1.178999		2.6	20
Benzidine	L	50.00	56.40	0.6865972	0.888622		12.8	20
1,1-Biphenyl	A	50.00	50.08	1.638936	1.641569		0.2	20
Caprolactam	A	50.00	53.00	0.1019333	0.1080409		6.0	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-ICV3.D	Calibration Date:	11/04/11 00:00
Sequence:	1K31411	Injection Date:	11/05/11
Lab Sample ID:	1K31411-ICV3	Injection Time:	16:54

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	A	50.00	54.49	0.1540112	0.1678536		9.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K32215	Injection Date:	11/16/11
Lab Sample ID:	1K32215-CCV1	Injection Time:	11:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	58.49	0.3434772	0.4018335		17.0	20
Acenaphthene	A	50.00	49.29	1.298253	1.279751		-1.4	20
Acenaphthylene	A	50.00	48.91	2.012924	1.969083		-2.2	20
Acetophenone	A	50.00	54.45	1.69532	1.846245		8.9	20
Anthracene	A	50.00	46.02	1.104209	1.016248		-8.0	20
Atrazine	A	50.00	41.50	0.19571	0.1624284		-17.0	20
Benzaldehyde	A	50.00	35.02	1.14891	0.8047095		-30.0	20 *
Benzidine	L	50.00	43.38	0.6865972	0.66448		-13.2	20
Benzo(a)anthracene	A	50.00	51.78	1.104055	1.14342		3.6	20
Benzo(a)pyrene	A	50.00	47.48	0.9611542	0.9126519		-5.0	20
Benzo(b)fluoranthene	A	50.00	49.42	1.112206	1.099364		-1.2	20
Benzo(g,h,i)perylene	A	50.00	47.41	0.7826851	0.742219		-5.2	20
Benzoic acid	L	50.00	49.01	0.1785498	0.2060245		-2.0	20
Benzo(k)fluoranthene	A	50.00	47.49	1.149534	1.091896		-5.0	20
1,1-Biphenyl	A	50.00	44.25	1.638936	1.45037		-11.5	20
4-Bromophenyl-phenylether	A	50.00	48.35	0.2083968	0.2015349		-3.3	20
Butylbenzylphthalate	A	50.00	47.15	0.7952925	0.749949		-5.7	20
Caprolactam	A	50.00	54.14	0.1019333	0.1103838		8.3	20
Carbazole	A	50.00	49.17	1.011749	0.9949618		-1.7	20
4-Chloro-3-methylphenol	A	50.00	53.56	0.2513089	0.2691943		7.1	20
4-Chloroaniline	A	50.00	45.27	0.472381	0.4276998		-9.5	20
Bis(2-chloroethoxy)methane	A	50.00	43.67	0.4763036	0.41605		-12.7	20
Bis(2-chloroethyl)ether	A	50.00	42.82	1.595832	1.366709		-14.4	20
2,2'-Oxybis-1-chloropropane	A	50.00	40.80	2.413811	1.969645		-18.4	20
2-Chloronaphthalene	A	50.00	42.35	1.225048	1.037648		-15.3	20
2-Chlorophenol	A	50.00	47.76	1.609251	1.537288		-4.5	20
4-Chlorophenyl phenyl ether	A	50.00	50.88	0.550405	0.5601335		1.8	20
Chrysene	A	50.00	49.26	1.080943	1.064838		-1.5	20
Dibenz(a,h)anthracene	A	50.00	46.82	0.7873183	0.737279		-6.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K32215	Injection Date:	11/16/11
Lab Sample ID:	1K32215-CCV1	Injection Time:	11:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Dibenzofuran	A	50.00	50.28	1.739137	1.748782		0.6	20	
Di-n-butylphthalate	A	50.00	46.10	1.579311	1.456202		-7.8	20	
2,4-Dichlorophenol	A	50.00	51.36	0.2644541	0.2716611		2.7	20	
Diethylphthalate	A	50.00	50.68	1.41991	1.439385		1.4	20	
2,4-Dimethylphenol	A	50.00	47.79	0.3164993	0.3025287		-4.4	20	
Dimethyl phthalate	A	50.00	49.39	1.385845	1.368975		-1.2	20	
4,6-Dinitro-2-methylphenol	Q	50.00	59.12	0.1007682	0.1445092		18.2	20	
2,4-Dinitrophenol	Q	50.00	67.09	0.1080489	0.1900179	0.05	34.2	20	*
2,4-Dinitrotoluene	L	50.00	54.79	0.3505742	0.4375181		9.6	20	
2,6-Dinitrotoluene	A	50.00	57.21	0.3044889	0.3483986		14.4	20	
Di-n-octylphthalate	L	50.00	41.17	1.855124	1.7273		-17.7	20	
1,2-Diphenylhydrazine	A	50.00	45.68	0.9433606	0.8619572		-8.6	20	
Bis(2-ethylhexyl)phthalate	A	50.00	46.48	1.110597	1.032308		-7.0	20	
Fluoranthene	A	50.00	48.22	1.067861	1.029769		-3.6	20	
Fluorene	A	50.00	52.82	1.203765	1.271557		5.6	20	
Hexachlorobenzene	A	50.00	54.59	0.2505686	0.2735846		9.2	20	
Hexachlorobutadiene	A	50.00	52.82	0.1448658	0.1530398		5.6	20	
Hexachlorocyclopentadiene	A	50.00	52.75	0.3481283	0.3672799	0.05	5.5	20	
Hexachloroethane	A	50.00	46.74	0.6315411	0.590379		-6.5	20	
Indeno(1,2,3-cd)pyrene	A	50.00	47.85	0.7849404	0.7511396		-4.3	20	
Isophorone	A	50.00	46.04	0.7049527	0.6490531		-7.9	20	
1-Methylnaphthalene	A	50.00	51.73	0.5349792	0.5534485		3.5	20	
2-Methylnaphthalene	A	50.00	50.68	0.5392	0.546534		1.4	20	
2-Methylphenol	A	50.00	46.25	1.355581	1.25397		-7.5	20	
3-Methylphenol/4-Methylphenol	A	50.00	45.50	1.405911	1.27953		-9.0	20	
Naphthalene	A	50.00	49.73	1.121513	1.115408		-0.5	20	
4-Nitroaniline	L	50.00	52.08	0.3040362	0.353817		4.2	20	
3-Nitroaniline	A	50.00	53.28	0.3653235	0.3893076		6.6	20	
2-Nitroaniline	L	50.00	50.20	0.2779291	0.3095905		0.4	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K32215	Injection Date:	11/16/11
Lab Sample ID:	1K32215-CCV1	Injection Time:	11:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	47.78	0.312768	0.2988632		-4.4	20
4-Nitrophenol	L	50.00	52.48	0.17017	0.2019706	0.05	5.0	20
2-Nitrophenol	A	50.00	53.15	0.1989099	0.2114577		6.3	20
N-Nitrosodiphenylamine	A	50.00	47.93	0.7074234	0.6781317		-4.1	20
N-Nitroso-di-n-propylamine	A	50.00	45.31	0.8936003	0.8098296	0.05	-9.4	20
Pentachlorophenol	A	50.00	53.44	0.1540112	0.164614		6.9	20
Phenanthrene	A	50.00	47.77	1.097917	1.048895		-4.5	20
Phenol	A	50.00	44.44	2.00287	1.780291		-11.1	20
Pyrene	A	50.00	48.32	1.44321	1.394777		-3.4	20
2,4,6-Trichlorophenol	A	50.00	55.60	0.3642009	0.4049993		11.2	20
2,4,5-Trichlorophenol	A	50.00	55.65	0.3748305	0.4171852		11.3	20
2-Fluorobiphenyl	A	50.00	51.98	1.442391	1.499392		4.0	20
2-Fluorophenol	A	100.0	87.63	1.573089	1.378466		-12.4	20
Nitrobenzene-d5	A	50.00	49.68	0.3259665	0.3238799		-0.6	20
Phenol-d6	A	100.0	83.36	1.947798	1.623607		-16.6	20
Terphenyl-d14	A	50.00	49.82	0.9256836	0.9223248		-0.4	20
2,4,6-Tribromophenol	A	100.0	105.2	0.1504897	0.1582625		5.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1K32715	Injection Date:	11/22/11
Lab Sample ID:	1K32715-CCV1	Injection Time:	12:29

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.64	1.110356	1.191186		7.3	20
Acenaphthylene	A	50.00	55.01	1.725208	1.897968		10.0	20
Acetophenone	A	50.00	55.65	1.801986	2.005498		11.3	20
Anthracene	A	50.00	53.54	1.092671	1.170061		7.1	20
Atrazine	A	50.00	36.62	0.2344682	0.1717066		-26.8	20 *
Benzaldehyde	A	50.00	35.23	1.010105	0.7117638		-29.5	20 *
Benzidine	A	50.00	57.88	0.641297	0.7423413		15.8	20
Benzo(a)anthracene	A	50.00	53.57	1.119297	1.199269		7.1	20
Benzo(a)pyrene	A	50.00	54.54	1.045862	1.140853		9.1	20
Benzo(b)fluoranthene	A	50.00	56.07	1.093698	1.226449		12.1	20
Benzo(g,h,i)perylene	A	50.00	52.22	1.033139	1.079098		4.4	20
Benzoic acid	A	50.00	44.62	0.2679395	0.2390833		-10.8	20
Benzo(k)fluoranthene	A	50.00	53.78	1.107729	1.191444		7.6	20
1,1-Biphenyl	A	50.00	53.91	1.444453	1.557409		7.8	20
4-Bromophenyl-phenylether	A	50.00	49.84	0.2284778	0.2277602		-0.3	20
Butylbenzylphthalate	A	50.00	63.21	0.5129818	0.6485462		26.4	20 *
Caprolactam	A	50.00	57.32	0.1128421	0.1293642		14.6	20
Carbazole	A	50.00	53.42	1.044381	1.115806		6.8	20
4-Chloro-3-methylphenol	A	50.00	54.16	0.3113523	0.3372402		8.3	20
4-Chloroaniline	A	50.00	52.68	0.4225325	0.4452069		5.4	20
Bis(2-chloroethoxy)methane	A	50.00	49.47	0.4269873	0.4225001		-1.1	20
Bis(2-chloroethyl)ether	A	50.00	52.30	1.297842	1.357505		4.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.07	1.947114	1.872098		-3.9	20
2-Chloronaphthalene	A	50.00	55.76	1.087766	1.213192		11.5	20
2-Chlorophenol	A	50.00	53.18	1.315004	1.398574		6.4	20
4-Chlorophenyl phenyl ether	A	50.00	49.28	0.6233489	0.6143939		-1.4	20
Chrysene	A	50.00	54.49	1.047865	1.141961		9.0	20
Dibenz(a,h)anthracene	A	50.00	51.99	1.004478	1.044524		4.0	20
Dibenzofuran	A	50.00	53.02	1.535116	1.627701		6.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1K32715	Injection Date:	11/22/11
Lab Sample ID:	1K32715-CCV1	Injection Time:	12:29

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	58.54	1.182012	1.384029		17.1	20
3,3'-Dichlorobenzidine	A	50.00	55.66	0.4067228	0.4527386		11.3	20
2,4-Dichlorophenol	A	50.00	48.98	0.3046728	0.2984398		-2.0	20
Diethylphthalate	A	50.00	58.32	1.194731	1.39343		16.6	20
2,4-Dimethylphenol	A	50.00	53.63	0.3636609	0.3900469		7.3	20
Dimethyl phthalate	A	50.00	53.24	1.24444	1.325202		6.5	20
4,6-Dinitro-2-methylphenol	A	50.00	50.63	0.1454148	0.1472604		1.3	20
2,4-Dinitrophenol	A	50.00	50.20	0.1854397	0.1861922	0.05	0.4	20
2,4-Dinitrotoluene	A	50.00	53.59	0.3929838	0.421236		7.2	20
2,6-Dinitrotoluene	A	50.00	54.57	0.2991862	0.3265159		9.1	20
Di-n-octylphthalate	A	50.00	63.35	1.204345	1.525854		26.7	20 *
1,2-Diphenylhydrazine	A	50.00	50.26	0.8507103	0.8551163		0.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	63.93	0.6793074	0.868554		27.9	20 *
Fluoranthene	A	50.00	48.25	1.233837	1.190706		-3.5	20
Fluorene	A	50.00	52.50	1.337519	1.404394		5.0	20
Hexachlorobenzene	A	50.00	51.18	0.244362	0.2501185		2.4	20
Hexachlorobutadiene	A	50.00	45.82	0.186857	0.1712187		-8.4	20
Hexachlorocyclopentadiene	A	50.00	46.56	0.3749749	0.3491411	0.05	-6.9	20
Hexachloroethane	A	50.00	52.60	0.5464632	0.5748613		5.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.39	1.038008	1.046063		0.8	20
Isophorone	A	50.00	49.57	0.7442763	0.7379149		-0.9	20
1-Methylnaphthalene	A	50.00	51.28	0.5872691	0.6023514		2.6	20
2-Methylnaphthalene	A	50.00	50.31	0.5974192	0.6010827		0.6	20
2-Methylphenol	A	50.00	54.74	1.208635	1.323292		9.5	20
3-Methylphenol/4-Methylphenol	A	50.00	53.94	1.268409	1.36839		7.9	20
Naphthalene	A	50.00	52.81	0.9958993	1.051939		5.6	20
4-Nitroaniline	A	50.00	58.10	0.3272887	0.3802914		16.2	20
3-Nitroaniline	A	50.00	55.37	0.3230815	0.3578059		10.7	20
2-Nitroaniline	A	50.00	56.24	0.3700237	0.4162384		12.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1K32715	Injection Date:	11/22/11
Lab Sample ID:	1K32715-CCV1	Injection Time:	12:29

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	49.15	0.4107927	0.4037852		-1.7	20
4-Nitrophenol	A	50.00	57.40	0.2721678	0.3124556	0.05	14.8	20
2-Nitrophenol	A	50.00	51.84	0.1941449	0.2013105		3.7	20
N-Nitrosodiphenylamine	A	50.00	53.32	0.6728889	0.7175096		6.6	20
N-Nitroso-di-n-propylamine	A	50.00	52.43	1.033966	1.084221	0.05	4.9	20
Pentachlorophenol	A	50.00	43.30	0.1623094	0.1405769		-13.4	20
Phenanthrene	A	50.00	52.93	1.075866	1.138864		5.9	20
Phenol	A	50.00	55.83	1.687698	1.884491		11.7	20
Pyrene	A	50.00	52.40	1.163766	1.219539		4.8	20
2,4,6-Trichlorophenol	A	50.00	47.34	0.382004	0.3616488		-5.3	20
2,4,5-Trichlorophenol	A	50.00	45.91	0.4142645	0.3804059		-8.2	20
2-Fluorobiphenyl	A	50.00	54.36	1.265417	1.375648		8.7	20
2-Fluorophenol	A	100.0	112.6	1.142171	1.286307		12.6	20
Nitrobenzene-d5	A	50.00	52.20	0.4075494	0.4254779		4.4	20
Phenol-d6	A	100.0	115.2	1.572986	1.81271		15.2	20
Terphenyl-d14	A	50.00	56.53	0.7462196	0.843746		13.1	20
2,4,6-Tribromophenol	A	100.0	118.7	0.109869	0.1303785		18.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K33208	Injection Date:	11/23/11
Lab Sample ID:	1K33208-CCV1	Injection Time:	13:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
3,3'-Dichlorobenzidine	A	50.00	62.84	0.3434772	0.4316623		25.7	20	*
Acenaphthene	A	50.00	49.38	1.298253	1.282076		-1.2	20	
Acenaphthylene	A	50.00	49.27	2.012924	1.983414		-1.5	20	
Acetophenone	A	50.00	53.56	1.69532	1.815874		7.1	20	
Anthracene	A	50.00	47.32	1.104209	1.04515		-5.3	20	
Atrazine	A	50.00	56.63	0.19571	0.2216492		13.3	20	
Benzaldehyde	A	50.00	48.95	1.14891	1.124717		-2.1	20	
Benzidine	L	50.00	57.40	0.6865972	0.9059537		14.8	20	
Benzo(a)anthracene	A	50.00	56.42	1.104055	1.245717		12.8	20	
Benzo(a)pyrene	A	50.00	57.19	0.9611542	1.09935		14.4	20	
Benzo(b)fluoranthene	A	50.00	61.32	1.112206	1.363904		22.6	20	*
Benzo(g,h,i)perylene	A	50.00	49.47	0.7826851	0.7743457		-1.1	20	
Benzoic acid	L	50.00	58.95	0.1785498	0.2531276		17.9	20	
Benzo(k)fluoranthene	A	50.00	51.01	1.149534	1.172807		2.0	20	
1,1-Biphenyl	A	50.00	41.78	1.638936	1.369335		-16.4	20	
4-Bromophenyl-phenylether	A	50.00	50.08	0.2083968	0.2087541		0.2	20	
Butylbenzylphthalate	A	50.00	53.66	0.7952925	0.8535167		7.3	20	
Caprolactam	A	50.00	58.55	0.1019333	0.1193627		17.1	20	
Carbazole	A	50.00	47.29	1.011749	0.9569862		-5.4	20	
4-Chloro-3-methylphenol	A	50.00	55.89	0.2513089	0.2808967		11.8	20	
4-Chloroaniline	A	50.00	45.29	0.472381	0.4278987		-9.4	20	
Bis(2-chloroethoxy)methane	A	50.00	39.94	0.4763036	0.3804976		-20.1	20	*
Bis(2-chloroethyl)ether	A	50.00	42.45	1.595832	1.354814		-15.1	20	
2,2'-Oxybis-1-chloropropane	A	50.00	28.44	2.413811	1.37314		-43.1	20	*
2-Chloronaphthalene	A	50.00	43.07	1.225048	1.055224		-13.9	20	
2-Chlorophenol	A	50.00	53.87	1.609251	1.733936		7.7	20	
4-Chlorophenyl phenyl ether	A	50.00	63.04	0.550405	0.6939931		26.1	20	*
Chrysene	A	50.00	52.10	1.080943	1.126366		4.2	20	
Dibenz(a,h)anthracene	A	50.00	49.29	0.7873183	0.7761578		-1.4	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K33208	Injection Date:	11/23/11
Lab Sample ID:	1K33208-CCV1	Injection Time:	13:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	48.72	1.739137	1.694781		-2.6	20
Di-n-butylphthalate	A	50.00	44.99	1.579311	1.420989		-10.0	20
2,4-Dichlorophenol	A	50.00	47.53	0.2644541	0.2513901		-4.9	20
Diethylphthalate	A	50.00	57.32	1.41991	1.627662		14.6	20
2,4-Dimethylphenol	A	50.00	52.30	0.3164993	0.3310466		4.6	20
Dimethyl phthalate	A	50.00	49.75	1.385845	1.378914		-0.5	20
4,6-Dinitro-2-methylphenol	Q	50.00	70.00	0.1007682	0.1778356		40.0	20 *
2,4-Dinitrophenol	Q	50.00	76.40	0.1080489	0.2258053	0.05	52.8	20 *
2,4-Dinitrotoluene	L	50.00	55.62	0.3505742	0.4446462		11.2	20
2,6-Dinitrotoluene	A	50.00	59.91	0.3044889	0.3648659		19.8	20
Di-n-octylphthalate	L	50.00	54.00	1.855124	2.303957		8.0	20
1,2-Diphenylhydrazine	A	50.00	54.59	0.9433606	1.029935		9.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	51.60	1.110597	1.146251		3.2	20
Fluoranthene	A	50.00	53.32	1.067861	1.138817		6.6	20
Fluorene	A	50.00	52.25	1.203765	1.258031		4.5	20
Hexachlorobenzene	A	50.00	52.55	0.2505686	0.2633299		5.1	20
Hexachlorobutadiene	A	50.00	61.06	0.1448658	0.1769198		22.1	20 *
Hexachlorocyclopentadiene	A	50.00	51.91	0.3481283	0.3614536	0.05	3.8	20
Hexachloroethane	A	50.00	53.23	0.6315411	0.6723114		6.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.45	0.7849404	0.8234798		4.9	20
Isophorone	A	50.00	47.16	0.7049527	0.66486		-5.7	20
1-Methylnaphthalene	A	50.00	48.56	0.5349792	0.5195616		-2.9	20
2-Methylnaphthalene	A	50.00	49.74	0.5392	0.5364248		-0.5	20
2-Methylphenol	A	50.00	45.06	1.355581	1.221631		-9.9	20
3-Methylphenol/4-Methylphenol	A	50.00	42.49	1.405911	1.194696		-15.0	20
Naphthalene	A	50.00	47.99	1.121513	1.076509		-4.0	20
4-Nitroaniline	L	50.00	62.64	0.3040362	0.4315795		25.3	20 *
3-Nitroaniline	A	50.00	60.25	0.3653235	0.4402244		20.5	20 *
2-Nitroaniline	L	50.00	67.26	0.2779291	0.4222014		34.5	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1314005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	11/04/11 00:00
Sequence:	1K33208	Injection Date:	11/23/11
Lab Sample ID:	1K33208-CCV1	Injection Time:	13:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	59.26	0.312768	0.3706802		18.5	20
4-Nitrophenol	L	50.00	69.92	0.17017	0.2743823	0.05	39.8	20 *
2-Nitrophenol	A	50.00	58.19	0.1989099	0.2315062		16.4	20
N-Nitrosodiphenylamine	A	50.00	44.84	0.7074234	0.6344473		-10.3	20
N-Nitroso-di-n-propylamine	A	50.00	54.19	0.8936003	0.9684261	0.05	8.4	20
Pentachlorophenol	A	50.00	55.64	0.1540112	0.171384		11.3	20
Phenanthrene	A	50.00	45.37	1.097917	0.9963052		-9.3	20
Phenol	A	50.00	43.05	2.00287	1.724643		-13.9	20
Pyrene	A	50.00	54.46	1.44321	1.57188		8.9	20
2,4,6-Trichlorophenol	A	50.00	62.27	0.3642009	0.4535614		24.5	20 *
2,4,5-Trichlorophenol	A	50.00	61.52	0.3748305	0.4611634		23.0	20 *
2-Fluorobiphenyl	A	50.00	48.15	1.442391	1.38901		-3.7	20
2-Fluorophenol	A	100.0	91.26	1.573089	1.435652		-8.7	20
Nitrobenzene-d5	A	50.00	55.10	0.3259665	0.3591882		10.2	20
Phenol-d6	A	100.0	74.39	1.947798	1.448897		-25.6	20 *
Terphenyl-d14	A	50.00	51.20	0.9256836	0.9478189		2.4	20
2,4,6-Tribromophenol	A	100.0	108.3	0.1504897	0.1629424		8.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1K33215	Injection Date:	11/23/11
Lab Sample ID:	1K33215-CCV1	Injection Time:	11:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.72	1.110356	1.192896		7.4	20
Acenaphthylene	A	50.00	54.37	1.725208	1.876078		8.7	20
Acetophenone	A	50.00	53.48	1.801986	1.927391		7.0	20
Anthracene	A	50.00	53.51	1.092671	1.169311		7.0	20
Atrazine	A	50.00	33.28	0.2344682	0.1560729		-33.4	20 *
Benzaldehyde	A	50.00	34.63	1.010105	0.6995371		-30.7	20 *
Benzidine	A	50.00	55.24	0.641297	0.7084736		10.5	20
Benzo(a)anthracene	A	50.00	53.70	1.119297	1.20211		7.4	20
Benzo(a)pyrene	A	50.00	54.94	1.045862	1.14909		9.9	20
Benzo(b)fluoranthene	A	50.00	58.81	1.093698	1.286435		17.6	20
Benzo(g,h,i)perylene	A	50.00	52.15	1.033139	1.07762		4.3	20
Benzoic acid	A	50.00	50.53	0.2679395	0.2707807		1.1	20
Benzo(k)fluoranthene	A	50.00	51.87	1.107729	1.149142		3.7	20
1,1-Biphenyl	A	50.00	53.66	1.444453	1.550113		7.3	20
4-Bromophenyl-phenylether	A	50.00	48.79	0.2284778	0.2229603		-2.4	20
Butylbenzylphthalate	A	50.00	60.69	0.5129818	0.6226822		21.4	20 *
Caprolactam	A	50.00	55.70	0.1128421	0.1256957		11.4	20
Carbazole	A	50.00	52.92	1.044381	1.105275		5.8	20
4-Chloro-3-methylphenol	A	50.00	53.71	0.3113523	0.3344709		7.4	20
4-Chloroaniline	A	50.00	53.94	0.4225325	0.4558212		7.9	20
Bis(2-chloroethoxy)methane	A	50.00	49.73	0.4269873	0.4246482		-0.5	20
Bis(2-chloroethyl)ether	A	50.00	50.49	1.297842	1.310601		1.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	45.32	1.947114	1.764966		-9.4	20
2-Chloronaphthalene	A	50.00	55.64	1.087766	1.210553		11.3	20
2-Chlorophenol	A	50.00	53.22	1.315004	1.399819		6.4	20
4-Chlorophenyl phenyl ether	A	50.00	47.93	0.6233489	0.5975525		-4.1	20
Chrysene	A	50.00	53.88	1.047865	1.129222		7.8	20
Dibenz(a,h)anthracene	A	50.00	52.18	1.004478	1.048359		4.4	20
Dibenzofuran	A	50.00	53.25	1.535116	1.634946		6.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1K33215	Injection Date:	11/23/11
Lab Sample ID:	1K33215-CCV1	Injection Time:	11:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	55.35	1.182012	1.308418		10.7	20
3,3'-Dichlorobenzidine	A	50.00	53.53	0.4067228	0.4354324		7.1	20
2,4-Dichlorophenol	A	50.00	49.43	0.3046728	0.3011841		-1.1	20
Diethylphthalate	A	50.00	56.32	1.194731	1.345725		12.6	20
2,4-Dimethylphenol	A	50.00	54.18	0.3636609	0.394065		8.4	20
Dimethyl phthalate	A	50.00	52.37	1.24444	1.303451		4.7	20
4,6-Dinitro-2-methylphenol	A	50.00	51.43	0.1454148	0.1495764		2.9	20
2,4-Dinitrophenol	A	50.00	52.72	0.1854397	0.1955322	0.05	5.4	20
2,4-Dinitrotoluene	A	50.00	53.18	0.3929838	0.4179458		6.4	20
2,6-Dinitrotoluene	A	50.00	51.94	0.2991862	0.3108282		3.9	20
Di-n-octylphthalate	A	50.00	60.47	1.204345	1.456578		20.9	20 *
1,2-Diphenylhydrazine	A	50.00	50.13	0.8507103	0.852962		0.3	20
Bis(2-ethylhexyl)phthalate	A	50.00	60.82	0.6793074	0.8263632		21.6	20 *
Fluoranthene	A	50.00	47.76	1.233837	1.178655		-4.5	20
Fluorene	A	50.00	52.49	1.337519	1.404224		5.0	20
Hexachlorobenzene	A	50.00	51.34	0.244362	0.2509179		2.7	20
Hexachlorobutadiene	A	50.00	48.25	0.186857	0.1803287		-3.5	20
Hexachlorocyclopentadiene	A	50.00	48.67	0.3749749	0.3649978	0.05	-2.7	20
Hexachloroethane	A	50.00	52.78	0.5464632	0.5768079		5.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	51.76	1.038008	1.074661		3.5	20
Isophorone	A	50.00	49.79	0.7442763	0.7411886		-0.4	20
1-Methylnaphthalene	A	50.00	50.16	0.5872691	0.5891811		0.3	20
2-Methylnaphthalene	A	50.00	50.82	0.5974192	0.6072399		1.6	20
2-Methylphenol	A	50.00	53.18	1.208635	1.285636		6.4	20
3-Methylphenol/4-Methylphenol	A	50.00	53.83	1.268409	1.365636		7.7	20
Naphthalene	A	50.00	53.32	0.9958993	1.062117		6.6	20
4-Nitroaniline	A	50.00	56.40	0.3272887	0.3691511		12.8	20
3-Nitroaniline	A	50.00	56.34	0.3230815	0.3640446		12.7	20
2-Nitroaniline	A	50.00	56.20	0.3700237	0.4159492		12.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1236001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 17:45
Sequence:	1K33215	Injection Date:	11/23/11
Lab Sample ID:	1K33215-CCV1	Injection Time:	11:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	49.91	0.4107927	0.4100342		-0.2	20
4-Nitrophenol	A	50.00	56.65	0.2721678	0.3083868	0.05	13.3	20
2-Nitrophenol	A	50.00	52.42	0.1941449	0.2035548		4.8	20
N-Nitrosodiphenylamine	A	50.00	52.60	0.6728889	0.7079293		5.2	20
N-Nitroso-di-n-propylamine	A	50.00	50.60	1.033966	1.046491	0.05	1.2	20
Pentachlorophenol	A	50.00	49.18	0.1623094	0.159634		-1.6	20
Phenanthrene	A	50.00	52.29	1.075866	1.125147		4.6	20
Phenol	A	50.00	52.73	1.687698	1.779888		5.5	20
Pyrene	A	50.00	52.52	1.163766	1.222445		5.0	20
2,4,6-Trichlorophenol	A	50.00	48.68	0.382004	0.3719579		-2.6	20
2,4,5-Trichlorophenol	A	50.00	47.45	0.4142645	0.393141		-5.1	20
2-Fluorobiphenyl	A	50.00	54.91	1.265417	1.389762		9.8	20
2-Fluorophenol	A	100.0	115.3	1.142171	1.317399		15.3	20
Nitrobenzene-d5	A	50.00	53.70	0.4075494	0.4376768		7.4	20
Phenol-d6	A	100.0	114.6	1.572986	1.802998		14.6	20
Terphenyl-d14	A	50.00	55.14	0.7462196	0.8228571		10.3	20
2,4,6-Tribromophenol	A	100.0	122.1	0.109869	0.1341382		22.1	20 *

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K10001-BLK1 File ID: K10001B1.D

Sampled: Prepared: Analyzed: 11/16/11 14:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	X, U
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	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K10001-BLK1 File ID: K10001B1.D

Sampled: Prepared: Analyzed: 11/16/11 14:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	Q, 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	27.97	55.9	50 - 110	
2-Fluorophenol	100.0	22.61	22.6	20 - 110	
Nitrobenzene-d5	50.00	27.82	55.6	40 - 110	
Phenol-d6	100.0	12.69	12.7	0 - 110	
Terphenyl-d14	50.00	31.46	62.9	50 - 135	
2,4,6-Tribromophenol	100.0	62.67	62.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K10001-BS1 File ID: K10001L1.D

Sampled: Prepared: Analyzed: 11/16/11 15:23

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K10001 Sequence: 1K32215 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	38.16	1.25	2.50	5.00	X
83-32-9	Acenaphthene	33.63	1.25	2.50	5.00	
208-96-8	Acenaphthylene	31.33	1.25	2.50	5.00	
98-86-2	Acetophenone	35.45	1.25	2.50	5.00	
120-12-7	Anthracene	33.13	1.25	2.50	5.00	
1912-24-9	Atrazine	37.57	1.25	2.50	5.00	
100-52-7	Benzaldehyde	30.42	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	37.08	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	31.73	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	33.38	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	38.52	1.25	2.50	5.00	
65-85-0	Benzoic acid	17.35	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	32.97	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	31.21	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	40.40	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	38.51	1.25	2.50	5.00	
105-60-2	Caprolactam	6.309	1.25	2.50	5.00	
86-74-8	Carbazole	36.66	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	55.18	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	24.49	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	33.06	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	30.69	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	29.23	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	29.18	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	46.26	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.98	1.25	2.50	5.00	
218-01-9	Chrysene	36.18	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	37.05	1.25	2.50	5.00	
132-64-9	Dibenzofuran	35.43	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	36.97	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	54.73	1.25	2.50	5.00	
84-66-2	Diethylphthalate	39.67	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	53.41	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	39.63	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	85.67	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	82.05	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	42.37	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	41.07	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	31.76	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1K10001-BS1
File ID: K10001L1.D
Sampled:
Prepared:
Analyzed: 11/16/11 15:23
Solids:
Preparation: EXT_3510
Dilution:
Batch: 1K10001
Sequence: 1K32215
Calibration: 1314005
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	31.29	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	37.10	1.25	2.50	5.00	
206-44-0	Fluoranthene	36.83	1.25	2.50	5.00	
86-73-7	Fluorene	35.02	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	39.64	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	28.18	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	21.87	1.25	2.50	5.00	
67-72-1	Hexachloroethane	20.28	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	38.39	1.25	2.50	5.00	
78-59-1	Isophorone	30.27	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	31.87	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	31.96	1.25	2.50	5.00	
95-48-7	2-Methylphenol	38.66	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	34.68	1.25	2.50	5.00	
91-20-3	Naphthalene	29.02	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	37.37	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	28.58	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	38.51	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.77	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.96	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	69.61	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	26.49	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	33.78	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	83.14	5.00	10.0	20.0	
85-01-8	Phenanthrene	33.98	1.25	2.50	5.00	
108-95-2	Phenol	17.20	1.25	2.50	5.00	
129-00-0	Pyrene	34.66	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	66.05	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	69.13	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	32.66	65.3	50 - 110	
2-Fluorophenol	100.0	25.73	25.7	20 - 110	
Nitrobenzene-d5	50.00	31.27	62.5	40 - 110	
Phenol-d6	100.0	15.48	15.5	0 - 110	
Terphenyl-d14	50.00	35.02	70.0	50 - 135	
2,4,6-Tribromophenol	100.0	71.50	71.5	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K14001-BLK1 File ID: K14001B1.D

Sampled: Prepared: Analyzed: 11/23/11 12:07

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Y, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	1K14001-BLK1	File ID:	K14001B1.D
Sampled:		Prepared:		Analyzed:	11/23/11 12:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 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	X, U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.14	86.3	50 - 110	
2-Fluorophenol	100.0	35.32	35.3	20 - 110	
Nitrobenzene-d5	50.00	39.15	78.3	40 - 110	
Phenol-d6	100.0	18.49	18.5	0 - 110	
Terphenyl-d14	50.00	53.19	106	50 - 135	
2,4,6-Tribromophenol	100.0	95.75	95.7	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K14001-BS1 | File ID: K14001L1.D

Sampled: | Prepared: | Analyzed: 11/23/11 12:38

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1K14001 | Sequence: 1K33215 | Calibration: 1236001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.71	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.22	1.25	2.50	5.00	
98-86-2	Acetophenone	43.25	1.25	2.50	5.00	
120-12-7	Anthracene	45.25	1.25	2.50	5.00	
1912-24-9	Atrazine	41.48	1.25	2.50	5.00	Y
100-52-7	Benzaldehyde	41.74	1.25	2.50	5.00	Y
92-87-5	Benzidine	16.22	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	46.30	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.74	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	47.56	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.75	1.25	2.50	5.00	
65-85-0	Benzoic acid	15.77	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	46.96	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.47	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	46.76	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	59.61	1.25	2.50	5.00	X
105-60-2	Caprolactam	7.543	1.25	2.50	5.00	
86-74-8	Carbazole	45.70	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	81.52	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.63	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	44.51	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	44.67	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.15	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	42.58	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	74.42	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.07	1.25	2.50	5.00	
218-01-9	Chrysene	46.77	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	47.01	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.37	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	52.47	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	44.78	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	78.12	1.25	2.50	5.00	
84-66-2	Diethylphthalate	51.95	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	81.98	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	48.44	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	94.12	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	90.80	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	46.42	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.28	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	59.61	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K14001-BS1 | File ID: K14001L1.D

Sampled: | Prepared: | Analyzed: 11/23/11 12:38

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1K14001 | Sequence: 1K33215 | Calibration: 1236001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.01	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	57.61	1.25	2.50	5.00	X
206-44-0	Fluoranthene	41.93	1.25	2.50	5.00	
86-73-7	Fluorene	43.39	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.45	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.15	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	24.83	1.25	2.50	5.00	
67-72-1	Hexachloroethane	28.57	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	45.98	1.25	2.50	5.00	
78-59-1	Isophorone	40.02	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	37.72	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.00	1.25	2.50	5.00	
95-48-7	2-Methylphenol	64.30	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	58.22	1.25	2.50	5.00	
91-20-3	Naphthalene	38.40	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	43.48	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	36.51	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	44.75	5.00	10.0	20.0	
98-95-3	Nitrobenzene	40.43	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.89	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	82.48	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.78	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.21	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	84.71	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.21	1.25	2.50	5.00	
108-95-2	Phenol	24.84	1.25	2.50	5.00	
129-00-0	Pyrene	45.49	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	80.93	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	78.57	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.57	91.1	50 - 110	
2-Fluorophenol	100.0	46.58	46.6	20 - 110	
Nitrobenzene-d5	50.00	42.31	84.6	40 - 110	
Phenol-d6	100.0	25.48	25.5	0 - 110	
Terphenyl-d14	50.00	49.67	99.3	50 - 135	
2,4,6-Tribromophenol	100.0	100.4	100	40 - 125	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K14001-BSD1 File ID: K14001L3.D

Sampled: Prepared: Analyzed: 11/23/11 15:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	46.67	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.77	1.25	2.50	5.00	
98-86-2	Acetophenone	50.06	1.25	2.50	5.00	
120-12-7	Anthracene	48.93	1.25	2.50	5.00	
1912-24-9	Atrazine	44.49	1.25	2.50	5.00	Y
100-52-7	Benzaldehyde	43.11	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	49.83	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.96	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	52.25	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	50.06	1.25	2.50	5.00	
65-85-0	Benzoic acid	13.89	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	50.88	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	46.87	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	50.21	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	63.58	1.25	2.50	5.00	X
105-60-2	Caprolactam	8.120	1.25	2.50	5.00	
86-74-8	Carbazole	48.95	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	88.82	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.51	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.65	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	47.70	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	46.44	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	46.54	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	80.93	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.95	1.25	2.50	5.00	
218-01-9	Chrysene	50.64	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.49	1.25	2.50	5.00	
132-64-9	Dibenzofuran	48.70	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	57.20	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	45.29	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	82.44	1.25	2.50	5.00	
84-66-2	Diethylphthalate	55.50	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	85.22	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	52.17	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	97.22	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	95.53	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	50.25	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.71	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	64.30	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K14001-BSD1 File ID: K14001L3.D

Sampled: Prepared: Analyzed: 11/23/11 15:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K14001 Sequence: 1K33215 Calibration: 1236001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.87	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	62.04	1.25	2.50	5.00	X
206-44-0	Fluoranthene	44.87	1.25	2.50	5.00	
86-73-7	Fluorene	46.39	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	48.97	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.18	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	25.56	1.25	2.50	5.00	
67-72-1	Hexachloroethane	32.11	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.20	1.25	2.50	5.00	
78-59-1	Isophorone	43.53	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.22	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	41.06	1.25	2.50	5.00	
95-48-7	2-Methylphenol	73.75	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	68.00	1.25	2.50	5.00	
91-20-3	Naphthalene	40.50	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.90	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.09	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.87	5.00	10.0	20.0	
98-95-3	Nitrobenzene	42.20	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	31.15	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	86.67	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.27	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	52.94	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	91.36	5.00	10.0	20.0	
85-01-8	Phenanthrene	50.16	1.25	2.50	5.00	
108-95-2	Phenol	27.26	1.25	2.50	5.00	
129-00-0	Pyrene	48.81	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	85.09	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	83.42	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.77	97.5	50 - 110	
2-Fluorophenol	100.0	48.32	48.3	20 - 110	
Nitrobenzene-d5	50.00	45.87	91.7	40 - 110	
Phenol-d6	100.0	28.14	28.1	0 - 110	
Terphenyl-d14	50.00	55.58	111	50 - 135	
2,4,6-Tribromophenol	100.0	111.8	112	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K17001-BLK1 File ID: K17001B1.D

Sampled: Prepared: Analyzed: 11/23/11 22:29

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K17001 Sequence: 1K33208 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	X, U
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	Y, U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	Q, U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	Y, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	Q, U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	Q, X, 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
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	Q, U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	Q, 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	X, U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K17001-BLK1 File ID: K17001B1.D

Sampled: Prepared: Analyzed: 11/23/11 22:29

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K17001 Sequence: 1K33208 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	Q, X, U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, 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	Q, 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	X, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	X, U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	Q, X, U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	X, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	Q, 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	X, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	X, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.11	70.2	50 - 110	
2-Fluorophenol	100.0	25.96	26.0	20 - 110	
Nitrobenzene-d5	50.00	39.77	79.5	40 - 110	
Phenol-d6	100.0	13.51	13.5	0 - 110	Y
Terphenyl-d14	50.00	45.21	90.4	50 - 135	
2,4,6-Tribromophenol	100.0	84.45	84.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K17001-BS1 | File ID: K17001L1.D

Sampled: | Prepared: | Analyzed: 11/23/11 22:59

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1K17001 | Sequence: 1K33208 | Calibration: 1314005 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	44.73	1.25	2.50	5.00	X
83-32-9	Acenaphthene	43.71	1.25	2.50	5.00	
208-96-8	Acenaphthylene	39.80	1.25	2.50	5.00	
98-86-2	Acetophenone	47.22	1.25	2.50	5.00	
120-12-7	Anthracene	39.18	1.25	2.50	5.00	
1912-24-9	Atrazine	52.82	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.09	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	49.37	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	51.00	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	54.64	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	40.44	1.25	2.50	5.00	
65-85-0	Benzoic acid	18.87	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	49.47	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	39.21	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	53.58	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	53.74	1.25	2.50	5.00	
105-60-2	Caprolactam	9.459	1.25	2.50	5.00	
86-74-8	Carbazole	40.29	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	81.91	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	28.88	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	37.19	1.25	2.50	5.00	Y
111-44-4	Bis(2-chloroethyl)ether	36.70	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	27.37	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	36.71	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	71.09	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	58.16	1.25	2.50	5.00	X
218-01-9	Chrysene	46.16	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.21	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.77	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.02	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	71.05	1.25	2.50	5.00	
84-66-2	Diethylphthalate	57.64	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.47	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	51.53	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	112.3	5.00	10.0	20.0	X, E
51-28-5	2,4-Dinitrophenol	108.4	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	55.20	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	53.18	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	58.29	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_035

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

Matrix: | Laboratory ID: 1K17001-BS1 | File ID: K17001L1.D

Sampled: | Prepared: | Analyzed: 11/23/11 22:59

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1K17001 | Sequence: 1K33208 | Calibration: 1314005 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	48.81	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.31	1.25	2.50	5.00	
206-44-0	Fluoranthene	46.19	1.25	2.50	5.00	
86-73-7	Fluorene	47.00	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	50.46	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	35.55	1.25	2.50	5.00	Q, X
77-47-4	Hexachlorocyclopentadiene	27.97	1.25	2.50	5.00	
67-72-1	Hexachloroethane	24.13	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	41.26	1.25	2.50	5.00	
78-59-1	Isophorone	43.14	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.01	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.34	1.25	2.50	5.00	
95-48-7	2-Methylphenol	48.83	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	42.65	1.25	2.50	5.00	
91-20-3	Naphthalene	34.41	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	55.27	5.00	10.0	20.0	X
99-09-2	3-Nitroaniline	36.18	5.00	10.0	20.0	X
88-74-4	2-Nitroaniline	61.26	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	51.44	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	43.88	5.00	10.0	20.0	X
88-75-5	2-Nitrophenol	88.97	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	33.53	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	51.18	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	101.8	5.00	10.0	20.0	E
85-01-8	Phenanthrene	40.93	1.25	2.50	5.00	
108-95-2	Phenol	22.48	1.25	2.50	5.00	
129-00-0	Pyrene	48.76	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	97.61	1.25	2.50	5.00	X
95-95-4	2,4,5-Trichlorophenol	102.9	1.25	2.50	5.00	X, E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.22	86.4	50 - 110	
2-Fluorophenol	100.0	38.66	38.7	20 - 110	
Nitrobenzene-d5	50.00	47.33	94.7	40 - 110	
Phenol-d6	100.0	20.04	20.0	0 - 110	Y
Terphenyl-d14	50.00	49.08	98.2	50 - 135	
2,4,6-Tribromophenol	100.0	101.0	101	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K17001-BSD1 File ID: K17001L2.D

Sampled: Prepared: Analyzed: 11/23/11 23:30

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K17001 Sequence: 1K33208 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	40.66	1.25	2.50	5.00	X
83-32-9	Acenaphthene	35.32	1.25	2.50	5.00	
208-96-8	Acenaphthylene	32.51	1.25	2.50	5.00	
98-86-2	Acetophenone	35.36	1.25	2.50	5.00	
120-12-7	Anthracene	35.13	1.25	2.50	5.00	
1912-24-9	Atrazine	45.73	1.25	2.50	5.00	
100-52-7	Benzaldehyde	29.89	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	43.87	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	44.02	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	48.98	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	35.39	1.25	2.50	5.00	
65-85-0	Benzoic acid	17.89	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	44.96	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	30.64	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	44.29	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	47.61	1.25	2.50	5.00	
105-60-2	Caprolactam	7.449	1.25	2.50	5.00	
86-74-8	Carbazole	36.32	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	64.49	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	25.98	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	28.04	1.25	2.50	5.00	Y
111-44-4	Bis(2-chloroethyl)ether	26.89	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	21.54	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	29.10	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	50.84	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	49.39	1.25	2.50	5.00	X
218-01-9	Chrysene	42.16	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	37.57	1.25	2.50	5.00	
132-64-9	Dibenzofuran	38.17	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	41.33	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	52.35	1.25	2.50	5.00	
84-66-2	Diethylphthalate	50.52	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	54.39	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	44.48	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	103.8	5.00	10.0	20.0	X, E
51-28-5	2,4-Dinitrophenol	100.8	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	49.08	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	46.98	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	51.44	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Matrix: Laboratory ID: 1K17001-BSD1 File ID: K17001L2.D

Sampled: Prepared: Analyzed: 11/23/11 23:30

Solids: Preparation: EXT_3510 Dilution:

Batch: 1K17001 Sequence: 1K33208 Calibration: 1314005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.17	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	45.84	1.25	2.50	5.00	
206-44-0	Fluoranthene	42.83	1.25	2.50	5.00	
86-73-7	Fluorene	40.41	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.12	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	24.23	1.25	2.50	5.00	Q, X
77-47-4	Hexachlorocyclopentadiene	20.70	1.25	2.50	5.00	
67-72-1	Hexachloroethane	17.11	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	35.23	1.25	2.50	5.00	
78-59-1	Isophorone	33.67	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	30.66	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	31.42	1.25	2.50	5.00	
95-48-7	2-Methylphenol	36.64	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	32.66	1.25	2.50	5.00	
91-20-3	Naphthalene	25.84	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.52	5.00	10.0	20.0	X
99-09-2	3-Nitroaniline	34.49	5.00	10.0	20.0	X
88-74-4	2-Nitroaniline	53.91	5.00	10.0	20.0	X
98-95-3	Nitrobenzene	38.71	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	38.89	5.00	10.0	20.0	X
88-75-5	2-Nitrophenol	65.58	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	29.00	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.06	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	88.09	5.00	10.0	20.0	
85-01-8	Phenanthrene	37.27	1.25	2.50	5.00	
108-95-2	Phenol	17.09	1.25	2.50	5.00	
129-00-0	Pyrene	43.27	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	75.93	1.25	2.50	5.00	X
95-95-4	2,4,5-Trichlorophenol	81.70	1.25	2.50	5.00	X

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	34.94	69.9	50 - 110	
2-Fluorophenol	100.0	27.49	27.5	20 - 110	
Nitrobenzene-d5	50.00	35.67	71.3	40 - 110	
Phenol-d6	100.0	15.42	15.4	0 - 110	Y
Terphenyl-d14	50.00	44.43	88.9	50 - 135	
2,4,6-Tribromophenol	100.0	83.91	83.9	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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
GW0291	11/07/11 10:10	11/08/11 08:20	11/10/11 10:38	2.98	7.00	11/16/11 16:25	6.24	40.00	
GW0291	11/07/11 10:10	11/08/11 08:20	11/18/11 09:58	10.95	7.00	11/24/11 00:00	5.58	40.00	*
GW0301	11/07/11 10:42	11/08/11 08:20	11/10/11 10:38	2.96	7.00	11/16/11 16:56	6.26	40.00	
GW0302	11/07/11 13:13	11/08/11 08:20	11/10/11 10:38	2.85	7.00	11/16/11 17:26	6.28	40.00	
GW0303	11/08/11 10:35	11/09/11 08:15	11/10/11 10:38	1.96	7.00	11/16/11 17:57	6.30	40.00	
GW0327	11/08/11 10:31	11/09/11 08:15	11/10/11 10:38	1.96	7.00	11/16/11 18:28	6.33	40.00	
GW0330	11/07/11 14:52	11/09/11 08:15	11/10/11 10:38	2.78	7.00	11/16/11 18:59	6.35	40.00	
GW0269	11/08/11 14:26	11/10/11 08:20	11/14/11 10:30	5.79	7.00	11/22/11 16:50	8.26	40.00	
GW0318	11/09/11 11:16	11/10/11 08:20	11/14/11 10:30	4.93	7.00	11/22/11 17:23	8.29	40.00	
GW0319	11/09/11 13:53	11/10/11 08:20	11/14/11 10:30	4.82	7.00	11/22/11 17:55	8.31	40.00	
GW0328	11/08/11 14:31	11/10/11 08:20	11/14/11 10:30	5.79	7.00	11/23/11 14:14	9.16	40.00	
GW0329	11/08/11 14:31	11/10/11 08:20	11/14/11 10:30	5.79	7.00	11/22/11 19:00	8.35	40.00	
GW0362	11/09/11 11:00	11/10/11 08:20	11/14/11 10:30	4.94	7.00	11/23/11 14:46	9.18	40.00	
GW0258	11/10/11 10:13	11/11/11 08:35	11/14/11 10:30	3.97	7.00	11/23/11 15:17	9.20	40.00	
GW0333	11/10/11 13:08	11/11/11 08:35	11/14/11 10:30	3.85	7.00	11/22/11 20:37	8.42	40.00	
GW0361	11/10/11 10:20	11/11/11 08:35	11/14/11 10:30	3.97	7.00	11/22/11 21:10	8.44	40.00	
GW0363	11/09/11 14:22	11/11/11 08:35	11/14/11 10:30	4.80	7.00	11/22/11 21:42	8.47	40.00	
GW0364	11/09/11 14:22	11/11/11 08:35	11/14/11 10:30	4.80	7.00	11/22/11 22:14	8.49	40.00	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1I26927	Instrument:	GL-GCVOA2
Calibration:	1269006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1I26927-CAL1	003F0301.D	09/23/11 14:35
Cal Standard	1I26927-CAL2	004F0401.D	09/23/11 15:15
Cal Standard	1I26927-CAL3	005F0501.D	09/23/11 15:55
Cal Standard	1I26927-CAL4	006F0601.D	09/23/11 16:34
Cal Standard	1I26927-CAL5	007F0701.D	09/23/11 17:14
Cal Standard	1I26927-CAL6	008F0801.D	09/23/11 17:53
Initial Cal Check	1I26927-ICV1	009F0901.D	09/23/11 18:33

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32103	Instrument:	GL-GCVOA2
Calibration:	1269006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K32103-CCV1	003F0301.D	11/14/11 15:38
Calibration Check	1K32103-CCV2	013F1301.D	11/14/11 22:03
LCS	1K14008-BS1	014F1401.D	11/14/11 22:42
Blank	1K14008-BLK1	015F1501.D	11/14/11 23:20
GW0291	1111091-01	017F1701.D	11/15/11 00:38
GW0291	1K14008-MS1	018F1801.D	11/15/11 01:16
GW0291	1K14008-MSD1	019F1901.D	11/15/11 01:55
GW0301	1111091-03	020F2001.D	11/15/11 02:34
GW0302	1111091-05	021F2101.D	11/15/11 03:12
GW0303	1111093-01	022F2201.D	11/15/11 03:51
GW0327	1111093-03	023F2301.D	11/15/11 04:29
GW0330	1111093-05	024F2401.D	11/15/11 05:07
GW0269	1111104-01	025F2501.D	11/15/11 05:46
GW0328	1111104-07	026F2601.D	11/15/11 06:24
GW0329	1111104-09	027F2701.D	11/15/11 07:03
Calibration Check	1K32103-CCV3	028F2801.D	11/15/11 07:41
GW0363	1111109-07	029F2901.D	11/15/11 08:20
GW0364	1111109-09	030F3001.D	11/15/11 08:58
Calibration Check	1K32103-CCV4	039F3901.D	11/15/11 14:45

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33205	Instrument:	GL-GCVOA2
Calibration:	1269006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K33205-CCV1	003F0301.D	11/16/11 10:40
LCS	1K16004-BS1	004F0401.D	11/16/11 11:19
Blank	1K16004-BLK1	005F0501.D	11/16/11 11:57
GW0258	1111109-01	006F0601.D	11/16/11 12:36
GW0318	1111104-03	008F0801.D	11/16/11 13:53
GW0319	1111104-05	009F0901.D	11/16/11 14:32
GW0362	1111104-11	010F1001.D	11/16/11 15:10
GW0333	1111109-03	011F1101.D	11/16/11 15:48
GW0361	1111109-05	012F1201.D	11/16/11 16:27
Calibration Check	1K33205-CCV2	018F1801.D	11/16/11 20:14

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01	File ID:	017F1701.D
Sampled:	11/07/11 10:10	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 00:38
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04560	91.2	50 - 150	

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03	File ID:	020F2001.D
Sampled:	11/07/11 10:42	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 02:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04435	88.7	50 - 150	

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05	File ID:	021F2101.D
Sampled:	11/07/11 13:13	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 03:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04178	83.6	50 - 150	

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01	File ID:	022F2201.D
Sampled:	11/08/11 10:35	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 03:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04292	85.8	50 - 150	

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03	File ID:	023F2301.D
Sampled:	11/08/11 10:31	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 04:29
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04289	85.8	50 - 150	

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05	File ID:	024F2401.D
Sampled:	11/07/11 14:52	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 05:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.336	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04582	91.6	50 - 150	

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	025F2501.D
Sampled:	11/08/11 14:26	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 05:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04158	83.2	50 - 150	

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	008F0801.D
Sampled:	11/09/11 11:16	Prepared:	11/16/11 07:50	Analyzed:	11/16/11 13:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.04643	92.9	50 - 150	

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	009F0901.D
Sampled:	11/09/11 13:53	Prepared:	11/16/11 07:50	Analyzed:	11/16/11 14:32
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.04657	93.1	50 - 150	

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	026F2601.D
Sampled:	11/08/11 14:31	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 06:24
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04228	84.6	50 - 150	

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	027F2701.D
Sampled:	11/08/11 14:31	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 07:03
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04351	87.0	50 - 150	

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	010F1001.D
Sampled:	11/09/11 11:00	Prepared:	11/16/11 07:50	Analyzed:	11/16/11 15:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.04692	93.8	50 - 150	

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	006F0601.D
Sampled:	11/10/11 10:13	Prepared:	11/16/11 07:50	Analyzed:	11/16/11 12:36
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.04691	93.8	50 - 150	

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	011F1101.D
Sampled:	11/10/11 13:08	Prepared:	11/16/11 07:50	Analyzed:	11/16/11 15:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.04890	97.8	50 - 150	

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	012F1201.D
Sampled:	11/10/11 10:20	Prepared:	11/16/11 07:50	Analyzed:	11/16/11 16:27
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.1000	0.09258	92.6	50 - 150	

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	029F2901.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 08:20
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04399	88.0	50 - 150	

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	030F3001.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 09:42	Analyzed:	11/15/11 08:58
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 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	0.04215	84.3	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14008	Laboratory ID:	1K14008-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	0.5018	100	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16004	Laboratory ID:	1K16004-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	0.4943	98.9	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0291

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1K14008

% Solids:

Source Sample Name: **1111091-01**

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	0.5099	102		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	0.5050	101	0.979		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K14008 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/14/11 09:42	5.00	5.00
GW0301	1111091-03	11/14/11 09:42	5.00	5.00
GW0302	1111091-05	11/14/11 09:42	5.00	5.00
GW0303	1111093-01	11/14/11 09:42	5.00	5.00
GW0327	1111093-03	11/14/11 09:42	5.00	5.00
GW0330	1111093-05	11/14/11 09:42	5.00	5.00
GW0269	1111104-01	11/14/11 09:42	5.00	5.00
GW0328	1111104-07	11/14/11 09:42	5.00	5.00
GW0329	1111104-09	11/14/11 09:42	5.00	5.00
GW0363	1111109-07	11/14/11 09:42	5.00	5.00
GW0364	1111109-09	11/14/11 09:42	5.00	5.00
Blank	1K14008-BLK1	11/14/11 09:42	5.00	5.00
LCS	1K14008-BS1	11/14/11 09:42	5.00	5.00
GW0291	1K14008-MS1	11/14/11 09:42	5.00	5.00
GW0291	1K14008-MSD1	11/14/11 09:42	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16004 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0318	1111104-03	11/16/11 07:50	5.00	5.00
GW0319	1111104-05	11/16/11 07:50	5.00	5.00
GW0362	1111104-11	11/16/11 07:50	5.00	5.00
GW0258	1111109-01	11/16/11 07:50	5.00	5.00
GW0333	1111109-03	11/16/11 07:50	5.00	5.00
GW0361	1111109-05	11/16/11 07:50	5.00	5.00
Blank	1K16004-BLK1	11/16/11 07:50	5.00	5.00
LCS	1K16004-BS1	11/16/11 07:50	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1I26927	Instrument:	GL-GCVOA2
Calibration:	1269006		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11I0631	GRO Cal 0.1ppm	1I26927-CAL1	003F0301.D	09/23/11 14:35
11I0632	GRO Cal 0.2ppm	1I26927-CAL2	004F0401.D	09/23/11 15:15
11I0633	GRO Cal 0.5ppm	1I26927-CAL3	005F0501.D	09/23/11 15:55
11I0634	GRO Cal 1.0ppm	1I26927-CAL4	006F0601.D	09/23/11 16:34
11I0635	GRO Cal 2.0ppm	1I26927-CAL5	007F0701.D	09/23/11 17:14
11I0636	GRO Cal 5.0ppm	1I26927-CAL6	008F0801.D	09/23/11 17:53

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1269006	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	9/23/11 14:35	9/23/11 17:53

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	3188740	0.2	2712460	0.5	1411068	1	1373003	2	1322475	5	1275322
Bromofluorobenzene	0.01	1718300	0.02	1371850	0.05	1001380	0.1	1121160	0.2	1130485	0.5	912802

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1269006	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	9/23/11 14:35	9/23/11 17:53

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1880511	44.8658	7.793	1.770253E-02	0.9990881		0.995	
Bromofluorobenzene	1209330	24.26723	20.268	1.370141E-02		0.9988025	0.99	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	009F0901.D	Calibration Date:	09/23/11 14:35
Sequence:	1I26927	Injection Date:	09/23/11
Lab Sample ID:	1I26927-ICV1	Injection Time:	18:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4798	1880511	1545794		-4.0	20
Bromofluorobenzene	Q	0.05000	0.05264	1209330	1283600		5.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	003F0301.D	Calibration Date:	09/23/11 14:35
Sequence:	1K32103	Injection Date:	11/14/11
Lab Sample ID:	1K32103-CCV1	Injection Time:	15:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4844	1880511	1557044		-3.1	20
Bromofluorobenzene	Q	0.05000	0.05311	1209330	1295140		6.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	013F1301.D	Calibration Date:	09/23/11 14:35
Sequence:	1K32103	Injection Date:	11/14/11
Lab Sample ID:	1K32103-CCV2	Injection Time:	22:03

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4799	1880511	1545918		-4.0	20
Bromofluorobenzene	Q	0.05000	0.05104	1209330	1244360		2.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	028F2801.D	Calibration Date:	09/23/11 14:35
Sequence:	1K32103	Injection Date:	11/15/11
Lab Sample ID:	1K32103-CCV3	Injection Time:	07:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4408	1880511	1449112		-11.8	20
Bromofluorobenzene	Q	0.05000	0.04813	1209330	1172580		-3.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	039F3901.D	Calibration Date:	09/23/11 14:35
Sequence:	1K32103	Injection Date:	11/15/11
Lab Sample ID:	1K32103-CCV4	Injection Time:	14:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5916	1880511	1822232		18.3	20
Bromofluorobenzene	Q	0.05000	0.04854	1209330	1182700		-2.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	003F0301.D	Calibration Date:	09/23/11 14:35
Sequence:	1K33205	Injection Date:	11/16/11
Lab Sample ID:	1K33205-CCV1	Injection Time:	10:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5278	1880511	1664540		5.6	20
Bromofluorobenzene	Q	0.05000	0.04416	1209330	1073920		-11.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1269006
Lab File ID:	018F1801.D	Calibration Date:	09/23/11 14:35
Sequence:	1K33205	Injection Date:	11/16/11
Lab Sample ID:	1K33205-CCV2	Injection Time:	20:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4370	1880511	1439824		-12.6	20
Bromofluorobenzene	Q	0.05000	0.04288	1209330	1041720		-14.2	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32103	Instrument:	GL-GCVOA2
		Calibration:	1269006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K32103-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 11/14/11 15:38		
Bromofluorobenzene	0.05000	106	80 - 120	20.276	20.276	0.0000	+/-0.210	
Calibration Check (1K32103-CCV2) ug/mL				Lab File ID: 013F1301.D		Analyzed: 11/14/11 22:03		
Bromofluorobenzene	0.05000	102	80 - 120	20.296	20.276	0.0200	+/-0.210	
LCS (1K14008-BS1) mg/L				Lab File ID: 014F1401.D		Analyzed: 11/14/11 22:42		
Bromofluorobenzene	0.05000	104	50 - 150	20.296	20.276	0.0200	+/-0.210	
Blank (1K14008-BLK1) mg/L				Lab File ID: 015F1501.D		Analyzed: 11/14/11 23:20		
Bromofluorobenzene	0.05000	106	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0291 (1111091-01) mg/L				Lab File ID: 017F1701.D		Analyzed: 11/15/11 00:38		
Bromofluorobenzene	0.05000	91.2	50 - 150	20.296	20.276	0.0200	+/-0.210	
Matrix Spike (1K14008-MS1) mg/L				Lab File ID: 018F1801.D		Analyzed: 11/15/11 01:16		
Bromofluorobenzene	0.05000	100	50 - 150	20.296	20.276	0.0200	+/-0.210	
Matrix Spike Dup (1K14008-MSD1) mg/L				Lab File ID: 019F1901.D		Analyzed: 11/15/11 01:55		
Bromofluorobenzene	0.05000	95.5	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0301 (1111091-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 11/15/11 02:34		
Bromofluorobenzene	0.05000	88.7	50 - 150	20.296	20.276	0.0200	+/-0.210	
GW0302 (1111091-05) mg/L				Lab File ID: 021F2101.D		Analyzed: 11/15/11 03:12		
Bromofluorobenzene	0.05000	83.6	50 - 150	20.3	20.276	0.0240	+/-0.210	
GW0303 (1111093-01) mg/L				Lab File ID: 022F2201.D		Analyzed: 11/15/11 03:51		
Bromofluorobenzene	0.05000	85.8	50 - 150	20.3	20.276	0.0240	+/-0.210	
GW0327 (1111093-03) mg/L				Lab File ID: 023F2301.D		Analyzed: 11/15/11 04:29		
Bromofluorobenzene	0.05000	85.8	50 - 150	20.3	20.276	0.0240	+/-0.210	
GW0330 (1111093-05) mg/L				Lab File ID: 024F2401.D		Analyzed: 11/15/11 05:07		
Bromofluorobenzene	0.05000	91.6	50 - 150	20.3	20.276	0.0240	+/-0.210	
GW0269 (1111104-01) mg/L				Lab File ID: 025F2501.D		Analyzed: 11/15/11 05:46		
Bromofluorobenzene	0.05000	83.2	50 - 150	20.3	20.276	0.0240	+/-0.210	
GW0328 (1111104-07) mg/L				Lab File ID: 026F2601.D		Analyzed: 11/15/11 06:24		
Bromofluorobenzene	0.05000	84.6	50 - 150	20.3	20.276	0.0240	+/-0.210	
GW0329 (1111104-09) mg/L				Lab File ID: 027F2701.D		Analyzed: 11/15/11 07:03		
Bromofluorobenzene	0.05000	87.0	50 - 150	20.3	20.276	0.0240	+/-0.210	
Calibration Check (1K32103-CCV3) ug/mL				Lab File ID: 028F2801.D		Analyzed: 11/15/11 07:41		
Bromofluorobenzene	0.05000	96.3	80 - 120	20.296	20.276	0.0200	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32103	Instrument:	GL-GCVOA2
		Calibration:	1269006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0363 (1111109-07) mg/L				Lab File ID: 029F2901.D		Analyzed: 11/15/11 08:20		
Bromofluorobenzene	0.05000	88.0	50 - 150	20.293	20.276	0.0170	+/-0.210	
GW0364 (1111109-09) mg/L				Lab File ID: 030F3001.D		Analyzed: 11/15/11 08:58		
Bromofluorobenzene	0.05000	84.3	50 - 150	20.293	20.276	0.0170	+/-0.210	
Calibration Check (1K32103-CCV4) ug/mL				Lab File ID: 039F3901.D		Analyzed: 11/15/11 14:45		
Bromofluorobenzene	0.05000	97.1	80 - 120	20.293	20.276	0.0170	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33205	Instrument:	GL-GCVOA2
		Calibration:	1269006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K33205-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 11/16/11 10:40		
Bromofluorobenzene	0.05000	88.3	80 - 120	20.283	20.283	0.0000	+/-0.210	
LCS (1K16004-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 11/16/11 11:19		
Bromofluorobenzene	0.05000	96.3	50 - 150	20.286	20.283	0.0030	+/-0.210	
Blank (1K16004-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 11/16/11 11:57		
Bromofluorobenzene	0.05000	80.1	50 - 150	20.286	20.283	0.0030	+/-0.210	
GW0258 (1111109-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 11/16/11 12:36		
Bromofluorobenzene	0.05000	93.8	50 - 150	20.286	20.283	0.0030	+/-0.210	
GW0318 (1111104-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 11/16/11 13:53		
Bromofluorobenzene	0.05000	92.9	50 - 150	20.286	20.283	0.0030	+/-0.210	
GW0319 (1111104-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 11/16/11 14:32		
Bromofluorobenzene	0.05000	93.1	50 - 150	20.286	20.283	0.0030	+/-0.210	
GW0362 (1111104-11) mg/L				Lab File ID: 010F1001.D		Analyzed: 11/16/11 15:10		
Bromofluorobenzene	0.05000	93.8	50 - 150	20.286	20.283	0.0030	+/-0.210	
GW0333 (1111109-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 11/16/11 15:48		
Bromofluorobenzene	0.05000	97.8	50 - 150	20.29	20.283	0.0070	+/-0.210	
GW0361 (1111109-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 11/16/11 16:27		
Bromofluorobenzene	0.1000	92.6	50 - 150	20.29	20.283	0.0070	+/-0.210	
Calibration Check (1K33205-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 11/16/11 20:14		
Bromofluorobenzene	0.05000	85.8	80 - 120	20.296	20.283	0.0130	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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
GW0291	11/07/11 10:10	11/08/11 08:20	11/14/11 09:42	N/A	14.00	11/15/11 00:38	7.56	14.00	
GW0301	11/07/11 10:42	11/08/11 08:20	11/14/11 09:42	N/A	14.00	11/15/11 02:34	7.62	14.00	
GW0302	11/07/11 13:13	11/08/11 08:20	11/14/11 09:42	N/A	14.00	11/15/11 03:12	7.54	14.00	
GW0303	11/08/11 10:35	11/09/11 08:15	11/14/11 09:42	N/A	14.00	11/15/11 03:51	6.68	14.00	
GW0327	11/08/11 10:31	11/09/11 08:15	11/14/11 09:42	N/A	14.00	11/15/11 04:29	6.71	14.00	
GW0330	11/07/11 14:52	11/09/11 08:15	11/14/11 09:42	N/A	14.00	11/15/11 05:07	7.55	14.00	
GW0269	11/08/11 14:26	11/10/11 08:20	11/14/11 09:42	N/A	14.00	11/15/11 05:46	6.60	14.00	
GW0318	11/09/11 11:16	11/10/11 08:20	11/16/11 07:50	N/A	14.00	11/16/11 13:53	7.07	14.00	
GW0319	11/09/11 13:53	11/10/11 08:20	11/16/11 07:50	N/A	14.00	11/16/11 14:32	6.99	14.00	
GW0328	11/08/11 14:31	11/10/11 08:20	11/14/11 09:42	N/A	14.00	11/15/11 06:24	6.62	14.00	
GW0329	11/08/11 14:31	11/10/11 08:20	11/14/11 09:42	N/A	14.00	11/15/11 07:03	6.65	14.00	
GW0362	11/09/11 11:00	11/10/11 08:20	11/16/11 07:50	N/A	14.00	11/16/11 15:10	7.13	14.00	
GW0258	11/10/11 10:13	11/11/11 08:35	11/16/11 07:50	N/A	14.00	11/16/11 12:36	6.06	14.00	
GW0333	11/10/11 13:08	11/11/11 08:35	11/16/11 07:50	N/A	14.00	11/16/11 15:48	6.07	14.00	
GW0361	11/10/11 10:20	11/11/11 08:35	11/16/11 07:50	N/A	14.00	11/16/11 16:27	6.21	14.00	
GW0363	11/09/11 14:22	11/11/11 08:35	11/14/11 09:42	N/A	14.00	11/15/11 08:20	5.71	14.00	
GW0364	11/09/11 14:22	11/11/11 08:35	11/14/11 09:42	N/A	14.00	11/15/11 08:58	5.73	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K14008-BLK1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	11/14/11 23:20
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1K14008	Sequence:	1K32103	Calibration:	1269006	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	0.05290	106	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K14008-BS1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	11/14/11 22:42
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1K14008	Sequence:	1K32103	Calibration:	1269006	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5018	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05179	104	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K14008-MS1	File ID:	018F1801.D
Sampled:		Prepared:		Analyzed:	11/15/11 01:16
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5099	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05014	100	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	1K14008-MSD1	File ID:	019F1901.D
Sampled:		Prepared:		Analyzed:	11/15/11 01:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1K14008 Sequence: 1K32103 Calibration: 1269006 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5050	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04774	95.5	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	1K16004-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	11/16/11 11:57
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1K16004 Sequence: 1K33205 Calibration: 1269006 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	0.04006	80.1	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K16004-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	11/16/11 11:19
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1K16004	Sequence:	1K33205	Calibration:	1269006	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4943	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04817	96.3	50 - 150	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31508	Instrument:	GL-GCFID2
Calibration:	1315002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K31508-CAL6	003F0301.D	11/10/11 19:58
Cal Standard	1K31508-CAL5	004F0401.D	11/10/11 20:30
Cal Standard	1K31508-CAL4	005F0501.D	11/10/11 21:03
Cal Standard	1K31508-CAL3	006F0601.D	11/10/11 21:36
Cal Standard	1K31508-CAL2	007F0701.D	11/10/11 22:08
Cal Standard	1K31508-CAL1	008F0801.D	11/10/11 22:41
Initial Cal Check	1K31508-ICV1	009F0901.D	11/10/11 23:14

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31806	Instrument:	GL-GCFID2
Calibration:	1315002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K31806-CCV1	003F0301.D	11/12/11 17:18
Blank	1K10002-BLK1	004F0401.D	11/12/11 17:51
LCS	1K10002-BS1	005F0501.D	11/12/11 18:24
LCS Dup	1K10002-BSD1	006F0601.D	11/12/11 18:57
GW0291	1111091-01	007F0701.D	11/12/11 19:30
GW0301	1111091-03	008F0801.D	11/12/11 20:03
GW0302	1111091-05	009F0901.D	11/12/11 20:36
GW0303	1111093-01	010F1001.D	11/12/11 21:09
GW0327	1111093-03	011F1101.D	11/12/11 21:42
GW0330	1111093-05	012F1201.D	11/12/11 22:15
GW0269	1111104-01	013F1301.D	11/12/11 22:48
GW0318	1111104-03	014F1401.D	11/12/11 23:21
GW0319	1111104-05	015F1501.D	11/12/11 23:55
GW0328	1111104-07	016F1601.D	11/13/11 00:28
Calibration Check	1K31806-CCV2	017F1701.D	11/13/11 01:01
GW0329	1111104-09	018F1801.D	11/13/11 01:35
GW0362	1111104-11	019F1901.D	11/13/11 02:08
Calibration Check	1K31806-CCV3	020F2001.D	11/13/11 02:41

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32016	Instrument:	GL-GCFID2
Calibration:	1315002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K32016-CCV1	003F0301.D	11/15/11 13:30
Blank	1K14002-BLK1	004F0401.D	11/15/11 14:04
LCS	1K14002-BS1	005F0501.D	11/15/11 14:37
GW0258	1111109-01	006F0601.D	11/15/11 15:10
GW0333	1111109-03	007F0701.D	11/15/11 15:43
GW0361	1111109-05	008F0801.D	11/15/11 16:17
GW0363	1111109-07	009F0901.D	11/15/11 16:50
GW0364	1111109-09	010F1001.D	11/15/11 17:23
Calibration Check	1K32016-CCV2	018F1801.D	11/15/11 21:49

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01	File ID:	007F0701.D
Sampled:	11/07/11 10:10	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 19:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.0935	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01273	68.1	30 - 140	

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03	File ID:	008F0801.D
Sampled:	11/07/11 10:42	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 20:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01496	79.3	30 - 140	

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05	File ID:	009F0901.D
Sampled:	11/07/11 13:13	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 20:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01506	76.8	30 - 140	

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01	File ID:	010F1001.D
Sampled:	11/08/11 10:35	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 21:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.0935	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01598	85.5	30 - 140	

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03	File ID:	011F1101.D
Sampled:	11/08/11 10:31	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 21:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.572	0.0935	0.0935	0.0935	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01510	80.8	30 - 140	

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05	File ID:	012F1201.D
Sampled:	11/07/11 14:52	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 22:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.69	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01783	89.2	30 - 140	

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	013F1301.D
Sampled:	11/08/11 14:26	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 22:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01656	82.8	30 - 140	

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	014F1401.D
Sampled:	11/09/11 11:16	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 23:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01563	78.1	30 - 140	

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	015F1501.D
Sampled:	11/09/11 13:53	Prepared:	11/11/11 09:30	Analyzed:	11/12/11 23:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.0952	0.0952	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01378	72.4	30 - 140	

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	016F1601.D
Sampled:	11/08/11 14:31	Prepared:	11/11/11 09:30	Analyzed:	11/13/11 00:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01357	71.9	30 - 140	

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	018F1801.D
Sampled:	11/08/11 14:31	Prepared:	11/11/11 09:30	Analyzed:	11/13/11 01:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01320	70.0	30 - 140	

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	019F1901.D
Sampled:	11/09/11 11:00	Prepared:	11/11/11 09:30	Analyzed:	11/13/11 02:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01419	75.2	30 - 140	

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	006F0601.D
Sampled:	11/10/11 10:13	Prepared:	11/14/11 12:42	Analyzed:	11/15/11 15:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14002 Sequence: 1K32016 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01280	66.6	30 - 140	

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	007F0701.D
Sampled:	11/10/11 13:08	Prepared:	11/14/11 12:42	Analyzed:	11/15/11 15:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14002 Sequence: 1K32016 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.612	0.0935	0.0935	0.0935	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01451	77.6	30 - 140	

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	008F0801.D
Sampled:	11/10/11 10:20	Prepared:	11/14/11 12:42	Analyzed:	11/15/11 16:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14002 Sequence: 1K32016 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.0943	0.0943	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01527	80.9	30 - 140	

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	009F0901.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 12:42	Analyzed:	11/15/11 16:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14002 Sequence: 1K32016 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.0935	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01298	69.4	30 - 140	

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	010F1001.D
Sampled:	11/09/11 14:22	Prepared:	11/14/11 12:42	Analyzed:	11/15/11 17:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1K14002 Sequence: 1K32016 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.0935	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01557	83.3	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K10002	Laboratory ID:	1K10002-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	0.7628	76.3	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.8720	87.2	13.4	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14002	Laboratory ID:	1K14002-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	0.7130	71.3	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K10002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/11/11 09:30	1,070.00	1.00
GW0301	1111091-03	11/11/11 09:30	1,060.00	1.00
GW0302	1111091-05	11/11/11 09:30	1,020.00	1.00
GW0303	1111093-01	11/11/11 09:30	1,070.00	1.00
GW0327	1111093-03	11/11/11 09:30	1,070.00	1.00
GW0330	1111093-05	11/11/11 09:30	1,000.00	1.00
GW0269	1111104-01	11/11/11 09:30	1,000.00	1.00
GW0318	1111104-03	11/11/11 09:30	1,000.00	1.00
GW0319	1111104-05	11/11/11 09:30	1,050.00	1.00
GW0328	1111104-07	11/11/11 09:30	1,060.00	1.00
GW0329	1111104-09	11/11/11 09:30	1,060.00	1.00
GW0362	1111104-11	11/11/11 09:30	1,060.00	1.00
Blank	1K10002-BLK1	11/11/11 09:30	1,000.00	1.00
LCS	1K10002-BS1	11/11/11 09:30	1,000.00	1.00
LCS Dup	1K10002-BSD1	11/11/11 09:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K14002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0258	1111109-01	11/14/11 12:42	1,040.00	1.00
GW0333	1111109-03	11/14/11 12:42	1,070.00	1.00
GW0361	1111109-05	11/14/11 12:42	1,060.00	1.00
GW0363	1111109-07	11/14/11 12:42	1,070.00	1.00
GW0364	1111109-09	11/14/11 12:42	1,070.00	1.00
Blank	1K14002-BLK1	11/14/11 12:42	1,000.00	1.00
LCS	1K14002-BS1	11/14/11 12:42	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31508	Instrument:	GL-GCFID2
Calibration:	1315002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11K0386	DRO ICAL6@100ppm	1K31508-CAL6		
11K0385	DRO ICAL5@250ppm	1K31508-CAL5		
11K0384	DRO ICAL4@500ppm	1K31508-CAL4		
11K0383	DRO ICAL3@1000ppm	1K31508-CAL3		
11K0382	DRO ICAL2@2500ppm	1K31508-CAL2		
11K0381	DRO ICAL1@5000ppm	1K31508-CAL1		
11K0386	DRO ICAL6@100ppm	1K31508-CAL6	003F0301.D	11/10/11 19:58
11K0385	DRO ICAL5@250ppm	1K31508-CAL5	004F0401.D	11/10/11 20:30
11K0384	DRO ICAL4@500ppm	1K31508-CAL4	005F0501.D	11/10/11 21:03
11K0383	DRO ICAL3@1000ppm	1K31508-CAL3	006F0601.D	11/10/11 21:36
11K0382	DRO ICAL2@2500ppm	1K31508-CAL2	007F0701.D	11/10/11 22:08
11K0381	DRO ICAL1@5000ppm	1K31508-CAL1	008F0801.D	11/10/11 22:41

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1315002	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	11/10/11 19:58	11/10/11 22:41

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	2041.668	2500	2487.361	1000	2021.6	500	1989.968	250	1823.312	100	1765.79
o-Terphenyl	250	2634.252	125	2602.872	50	2494.1	25	2539.72	12.5	2487.2	5	2510.4

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1315002	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	11/10/11 19:58	11/10/11 22:41

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	2021.616	12.5742	6.073	6.719313E-03			20	
o-Terphenyl	2544.757	2.388465	11.16483	0.2714372			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1315002
Lab File ID:	009F0901.D	Calibration Date:	11/10/11 14:57
Sequence:	1K31508	Injection Date:	11/10/11
Lab Sample ID:	1K31508-ICV1	Injection Time:	23:14

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1195	2021.616	2416.736		19.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1315002
Lab File ID:	003F0301.D	Calibration Date:	11/10/11 14:57
Sequence:	1K31806	Injection Date:	11/12/11
Lab Sample ID:	1K31806-CCV1	Injection Time:	17:18

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1031	2021.616	2085.284		3.1	20
o-Terphenyl	A	50.00	51.33	2544.757	2612.34		2.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1315002
Lab File ID:	017F1701.D	Calibration Date:	11/10/11 14:57
Sequence:	1K31806	Injection Date:	11/13/11
Lab Sample ID:	1K31806-CCV2	Injection Time:	01:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1022	2021.616	2066.265		2.2	20
o-Terphenyl	A	50.00	50.02	2544.757	2545.76		0.04	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1315002
Lab File ID:	020F2001.D	Calibration Date:	11/10/11 14:57
Sequence:	1K31806	Injection Date:	11/13/11
Lab Sample ID:	1K31806-CCV3	Injection Time:	02:41

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1064	2021.616	2151.052		6.4	20
o-Terphenyl	A	50.00	51.88	2544.757	2640.32		3.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1315002
Lab File ID:	003F0301.D	Calibration Date:	11/10/11 14:57
Sequence:	1K32016	Injection Date:	11/15/11
Lab Sample ID:	1K32016-CCV1	Injection Time:	13:30

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1042	2021.616	2106.436		4.2	20
o-Terphenyl	A	50.00	51.52	2544.757	2622.04		3.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1315002
Lab File ID:	018F1801.D	Calibration Date:	11/10/11 14:57
Sequence:	1K32016	Injection Date:	11/15/11
Lab Sample ID:	1K32016-CCV2	Injection Time:	21:49

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	997.6	2021.616	2016.694		-0.2	20
o-Terphenyl	A	50.00	52.84	2544.757	2689.58		5.7	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31806	Instrument:	GL-GCFID2
		Calibration:	1315002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K31806-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 11/12/11 17:18		
o-Terphenyl	50.00	103	80 - 120	11.126	11.126	0.0000	+/-0.050	
Blank (1K10002-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 11/12/11 17:51		
o-Terphenyl	0.02000	80.0	30 - 140	11.126	11.126	0.0000	+/-0.050	
LCS (1K10002-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 11/12/11 18:24		
o-Terphenyl	0.02000	77.5	30 - 140	11.116	11.126	-0.0100	+/-0.050	
LCS Dup (1K10002-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 11/12/11 18:57		
o-Terphenyl	0.02000	88.9	30 - 140	11.116	11.126	-0.0100	+/-0.050	
GW0291 (1111091-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 11/12/11 19:30		
o-Terphenyl	0.01869	68.1	30 - 140	11.116	11.126	-0.0100	+/-0.050	
GW0301 (1111091-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 11/12/11 20:03		
o-Terphenyl	0.01887	79.3	30 - 140	11.14	11.126	0.0140	+/-0.050	
GW0302 (1111091-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 11/12/11 20:36		
o-Terphenyl	0.01961	76.8	30 - 140	11.126	11.126	0.0000	+/-0.050	
GW0303 (1111093-01) mg/L				Lab File ID: 010F1001.D		Analyzed: 11/12/11 21:09		
o-Terphenyl	0.01869	85.5	30 - 140	11.116	11.126	-0.0100	+/-0.050	
GW0327 (1111093-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 11/12/11 21:42		
o-Terphenyl	0.01869	80.8	30 - 140	11.13	11.126	0.0040	+/-0.050	
GW0330 (1111093-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 11/12/11 22:15		
o-Terphenyl	0.02000	89.2	30 - 140	11.11	11.126	-0.0160	+/-0.050	
GW0269 (1111104-01) mg/L				Lab File ID: 013F1301.D		Analyzed: 11/12/11 22:48		
o-Terphenyl	0.02000	82.8	30 - 140	11.116	11.126	-0.0100	+/-0.050	
GW0318 (1111104-03) mg/L				Lab File ID: 014F1401.D		Analyzed: 11/12/11 23:21		
o-Terphenyl	0.02000	78.1	30 - 140	11.12	11.126	-0.0060	+/-0.050	
GW0319 (1111104-05) mg/L				Lab File ID: 015F1501.D		Analyzed: 11/12/11 23:55		
o-Terphenyl	0.01905	72.4	30 - 140	11.106	11.126	-0.0200	+/-0.050	
GW0328 (1111104-07) mg/L				Lab File ID: 016F1601.D		Analyzed: 11/13/11 00:28		
o-Terphenyl	0.01887	71.9	30 - 140	11.116	11.126	-0.0100	+/-0.050	
Calibration Check (1K31806-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 11/13/11 01:01		
o-Terphenyl	50.00	100	80 - 120	11.116	11.126	-0.0100	+/-0.050	
GW0329 (1111104-09) mg/L				Lab File ID: 018F1801.D		Analyzed: 11/13/11 01:35		
o-Terphenyl	0.01887	70.0	30 - 140	11.126	11.126	0.0000	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31806	Instrument:	GL-GCFID2
		Calibration:	1315002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0362 (1111104-11) mg/L				Lab File ID: 019F1901.D		Analyzed: 11/13/11 02:08		
o-Terphenyl	0.01887	75.2	30 - 140	11.113	11.126	-0.0130	+/-0.050	
Calibration Check (1K31806-CCV3) mg/L				Lab File ID: 020F2001.D		Analyzed: 11/13/11 02:41		
o-Terphenyl	50.00	104	80 - 120	11.113	11.126	-0.0130	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32016	Instrument:	GL-GCFID2
		Calibration:	1315002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1K32016-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 11/15/11 13:30		
o-Terphenyl	50.00	103	80 - 120	11.17	11.17	0.0000	+/-0.050	
Blank (1K14002-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 11/15/11 14:04		
o-Terphenyl	0.02000	91.7	30 - 140	11.173	11.17	0.0030	+/-0.050	
LCS (1K14002-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 11/15/11 14:37		
o-Terphenyl	0.02000	80.3	30 - 140	11.163	11.17	-0.0070	+/-0.050	
GW0258 (1111109-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 11/15/11 15:10		
o-Terphenyl	0.01923	66.6	30 - 140	11.166	11.17	-0.0040	+/-0.050	
GW0333 (1111109-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 11/15/11 15:43		
o-Terphenyl	0.01869	77.6	30 - 140	11.153	11.17	-0.0170	+/-0.050	
GW0361 (1111109-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 11/15/11 16:17		
o-Terphenyl	0.01887	80.9	30 - 140	11.156	11.17	-0.0140	+/-0.050	
GW0363 (1111109-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 11/15/11 16:50		
o-Terphenyl	0.01869	69.4	30 - 140	11.156	11.17	-0.0140	+/-0.050	
GW0364 (1111109-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 11/15/11 17:23		
o-Terphenyl	0.01869	83.3	30 - 140	11.18	11.17	0.0100	+/-0.050	
Calibration Check (1K32016-CCV2) mg/L				Lab File ID: 018F1801.D		Analyzed: 11/15/11 21:49		
o-Terphenyl	50.00	106	80 - 120	11.153	11.17	-0.0170	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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
GW0291	11/07/11 10:10	11/08/11 08:20	11/11/11 09:30	3.93	7.00	11/12/11 19:30	1.42	40.00	
GW0301	11/07/11 10:42	11/08/11 08:20	11/11/11 09:30	3.91	7.00	11/12/11 20:03	1.44	40.00	
GW0302	11/07/11 13:13	11/08/11 08:20	11/11/11 09:30	3.80	7.00	11/12/11 20:36	1.46	40.00	
GW0303	11/08/11 10:35	11/09/11 08:15	11/11/11 09:30	2.91	7.00	11/12/11 21:09	1.49	40.00	
GW0327	11/08/11 10:31	11/09/11 08:15	11/11/11 09:30	2.92	7.00	11/12/11 21:42	1.51	40.00	
GW0330	11/07/11 14:52	11/09/11 08:15	11/11/11 09:30	3.73	7.00	11/12/11 22:15	1.53	40.00	
GW0269	11/08/11 14:26	11/10/11 08:20	11/11/11 09:30	2.75	7.00	11/12/11 22:48	1.55	40.00	
GW0318	11/09/11 11:16	11/10/11 08:20	11/11/11 09:30	1.88	7.00	11/12/11 23:21	1.58	40.00	
GW0319	11/09/11 13:53	11/10/11 08:20	11/11/11 09:30	1.78	7.00	11/12/11 23:55	1.60	40.00	
GW0328	11/08/11 14:31	11/10/11 08:20	11/11/11 09:30	2.75	7.00	11/13/11 00:28	1.62	40.00	
GW0329	11/08/11 14:31	11/10/11 08:20	11/11/11 09:30	2.75	7.00	11/13/11 01:35	1.67	40.00	
GW0362	11/09/11 11:00	11/10/11 08:20	11/11/11 09:30	1.90	7.00	11/13/11 02:08	1.69	40.00	
GW0258	11/10/11 10:13	11/11/11 08:35	11/14/11 12:42	4.06	7.00	11/15/11 15:10	1.10	40.00	
GW0333	11/10/11 13:08	11/11/11 08:35	11/14/11 12:42	3.94	7.00	11/15/11 15:43	1.13	40.00	
GW0361	11/10/11 10:20	11/11/11 08:35	11/14/11 12:42	4.06	7.00	11/15/11 16:17	1.15	40.00	
GW0363	11/09/11 14:22	11/11/11 08:35	11/14/11 12:42	4.89	7.00	11/15/11 16:50	1.17	40.00	
GW0364	11/09/11 14:22	11/11/11 08:35	11/14/11 12:42	4.89	7.00	11/15/11 17:23	1.20	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K10002-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	11/12/11 17:51
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1K10002	Sequence:	1K31806	Calibration:	1315002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01599	80.0	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K10002-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	11/12/11 18:24
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1K10002	Sequence:	1K31806	Calibration:	1315002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7628	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01550	77.5	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K10002-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	11/12/11 18:57
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1K10002 Sequence: 1K31806 Calibration: 1315002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8720	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01778	88.9	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K14002-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	11/15/11 14:04
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1K14002	Sequence:	1K32016	Calibration:	1315002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01834	91.7	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1K14002-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	11/15/11 14:37
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1K14002	Sequence:	1K32016	Calibration:	1315002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7130	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01607	80.3	30 - 140	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31403	Instrument:	GL-ECD2
Calibration:	1314001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K31403-CAL1	002R0101.D	11/07/11 11:19
Cal Standard	1K31403-CAL1	002F0101.D	11/07/11 11:19
Cal Standard	1K31403-CAL2	003F0101.D	11/07/11 11:40
Cal Standard	1K31403-CAL2	003R0101.D	11/07/11 11:40
Cal Standard	1K31403-CAL3	004F0101.D	11/07/11 12:02
Cal Standard	1K31403-CAL3	004R0101.D	11/07/11 12:02
Cal Standard	1K31403-CAL4	005R0101.D	11/07/11 12:24
Cal Standard	1K31403-CAL4	005F0101.D	11/07/11 12:24
Cal Standard	1K31403-CAL5	006R0101.D	11/07/11 12:46
Cal Standard	1K31403-CAL5	006F0101.D	11/07/11 12:46
Cal Standard	1K31403-CAL6	007F0101.D	11/07/11 13:07
Cal Standard	1K31403-CAL6	007R0101.D	11/07/11 13:07
Cal Standard	1K31403-CAL7	008F0101.D	11/07/11 13:29
Cal Standard	1K31403-CAL7	008R0101.D	11/07/11 13:29
Cal Standard	1K31403-CAL8	009F0101.D	11/07/11 13:51
Cal Standard	1K31403-CAL8	009R0101.D	11/07/11 13:51
Initial Cal Check	1K31403-ICV1	010R0101.D	11/07/11 14:12
Initial Cal Check	1K31403-ICV1	010F0101.D	11/07/11 14:12

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31801	Instrument:	GL-ECD2
Calibration:	1314001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K31801-CCV1	002R0101.D	11/10/11 10:46
Calibration Check	1K31801-CCV1	002F0101.D	11/10/11 10:46
Blank	1K09026-BLK1	003F0101.D	11/10/11 11:07
LCS	1K09026-BS1	004R0101.D	11/10/11 11:29
LCS	1K09026-BS1	004F0101.D	11/10/11 11:29
GW0291	1111091-01	015R0101.D	11/10/11 15:29
GW0301	1111091-03	016R0101.D	11/10/11 15:50
Calibration Check	1K31801-CCV2	017R0101.D	11/10/11 16:12
Calibration Check	1K31801-CCV2	017F0101.D	11/10/11 16:12
GW0302	1111091-05	018R0101.D	11/10/11 16:33
GW0303	1111093-01	019R0101.D	11/10/11 16:54
GW0327	1111093-03	020R0101.D	11/10/11 17:15
GW0327	1111093-03	020F0101.D	11/10/11 17:15
Calibration Check	1K31801-CCV3	022R0101.D	11/10/11 17:57
Calibration Check	1K31801-CCV3	022F0101.D	11/10/11 17:57

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32004	Instrument:	GL-ECD2
Calibration:	1314001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K32004-CCV1	002R0101.D	11/14/11 11:37
Calibration Check	1K32004-CCV1	002F0101.D	11/14/11 11:37
GW0330	1111093-05	003R0101.D	11/14/11 13:59
GW0330	1111093-05	003F0101.D	11/14/11 13:59
Calibration Check	1K32004-CCV2	004R0101.D	11/14/11 14:20
Calibration Check	1K32004-CCV2	004F0101.D	11/14/11 14:20

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32510	Instrument:	GL-ECD2
Calibration:	1314001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K32510-CCV1	002R0101.D	11/16/11 12:15
Calibration Check	1K32510-CCV1	002F0101.D	11/16/11 12:15
Blank	1K16002-BLK1	003F0101.D	11/16/11 12:36
LCS	1K16002-BS1	004F0101.D	11/16/11 12:57
LCS	1K16002-BS1	004R0101.D	11/16/11 12:57
LCS Dup	1K16002-BSD1	005R0101.D	11/16/11 13:18
LCS Dup	1K16002-BSD1	005F0101.D	11/16/11 13:18
GW0269	1111104-01	006F0101.D	11/16/11 13:39
GW0318	1111104-03	007R0101.D	11/16/11 14:00
GW0318	1111104-03	007F0101.D	11/16/11 14:00
GW0319	1111104-05	008R0101.D	11/16/11 14:22
GW0319	1111104-05	008F0101.D	11/16/11 14:22
GW0328	1111104-07	009F0101.D	11/16/11 14:43
GW0328	1111104-07	009R0101.D	11/16/11 14:43
GW0329	1111104-09	010F0101.D	11/16/11 15:04
GW0329	1111104-09	010R0101.D	11/16/11 15:04
GW0362	1111104-11	011F0101.D	11/16/11 15:25
GW0362	1111104-11	011R0101.D	11/16/11 15:25
GW0258	1111109-01	012F0101.D	11/16/11 15:46
GW0333	1111109-03	013R0101.D	11/16/11 16:07
GW0333	1111109-03	013F0101.D	11/16/11 16:07
GW0361	1111109-05	014R0101.D	11/16/11 16:28
GW0361	1111109-05	014F0101.D	11/16/11 16:28
GW0363	1111109-07	015F0101.D	11/16/11 16:49
GW0363	1111109-07	015R0101.D	11/16/11 16:49
Calibration Check	1K32510-CCV2	016F0101.D	11/16/11 17:10
Calibration Check	1K32510-CCV2	016R0101.D	11/16/11 17:10
GW0364	1111109-09	017F0101.D	11/16/11 17:31
Calibration Check	1K32510-CCV3	018R0101.D	11/16/11 17:52
Calibration Check	1K32510-CCV3	018F0101.D	11/16/11 17:52

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01	File ID:	015R0101.D
Sampled:	11/07/11 10:10	Prepared:	11/10/11 00:00	Analyzed:	11/10/11 15:29
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 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

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03	File ID:	016R0101.D
Sampled:	11/07/11 10:42	Prepared:	11/10/11 00:00	Analyzed:	11/10/11 15:50
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00966	0.0193	0.0290	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05	File ID:	018R0101.D
Sampled:	11/07/11 13:13	Prepared:	11/10/11 00:00	Analyzed:	11/10/11 16:33
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01	File ID:	019R0101.D
Sampled:	11/08/11 10:35	Prepared:	11/10/11 00:00	Analyzed:	11/10/11 16:54
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00958	0.0192	0.0287	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03	File ID:	020F0101.D
Sampled:	11/08/11 10:31	Prepared:	11/10/11 00:00	Analyzed:	11/10/11 17:15
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0618	0.00945	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05	File ID:	003R0101.D
Sampled:	11/07/11 14:52	Prepared:	11/10/11 00:00	Analyzed:	11/14/11 13:59
Solids:		Preparation:	EDB	Dilution:	2

Batch: 1K09026 Sequence: 1K32004 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	1.14	0.0189	0.0377	0.0566	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01	File ID:	006F0101.D
Sampled:	11/08/11 14:26	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 13:39
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00945	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03	File ID:	007R0101.D
Sampled:	11/09/11 11:16	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 14:00
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00933	0.0187	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05	File ID:	008R0101.D
Sampled:	11/09/11 13:53	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 14:22
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00945	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07	File ID:	009R0101.D
Sampled:	11/08/11 14:31	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 14:43
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00939	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09	File ID:	010R0101.D
Sampled:	11/08/11 14:31	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 15:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00933	0.0187	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11	File ID:	011R0101.D
Sampled:	11/09/11 11:00	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 15:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00956	0.0191	0.0287	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-01	File ID:	012F0101.D
Sampled:	11/10/11 10:13	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 15:46
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00916	0.0183	0.0275	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03	File ID:	013R0101.D
Sampled:	11/10/11 13:08	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 16:07
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.207	0.00931	0.0186	0.0279	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05	File ID:	014R0101.D
Sampled:	11/10/11 10:20	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 16:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00936	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07	File ID:	015R0101.D
Sampled:	11/09/11 14:22	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 16:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00940	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09	File ID:	017F0101.D
Sampled:	11/09/11 14:22	Prepared:	11/16/11 07:32	Analyzed:	11/16/11 17:31
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.00945	0.0189	0.0283	U

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K09026	Laboratory ID:	1K09026-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	0.3974	79.5	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4085	81.7	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16002	Laboratory ID:	1K16002-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	0.4087	81.7	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4592	91.8	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	0.4206	84.1	2.86	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4724	94.5	2.84	20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K09026 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/10/11 00:00	36.74	35.00
GW0301	1111091-03	11/10/11 00:00	36.25	35.00
GW0302	1111091-05	11/10/11 00:00	36.92	35.00
GW0303	1111093-01	11/10/11 00:00	36.54	35.00
GW0327	1111093-03	11/10/11 00:00	37.02	35.00
GW0330	1111093-05	11/10/11 00:00	37.12	35.00
Blank	1K09026-BLK1	11/09/11 14:31	35.00	35.00
LCS	1K09026-BS1	11/09/11 14:31	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16002 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/16/11 07:32	37.03	35.00
GW0318	1111104-03	11/16/11 07:32	37.50	35.00
GW0319	1111104-05	11/16/11 07:32	37.03	35.00
GW0328	1111104-07	11/16/11 07:32	37.27	35.00
GW0329	1111104-09	11/16/11 07:32	37.53	35.00
GW0362	1111104-11	11/16/11 07:32	36.61	35.00
GW0258	1111109-01	11/16/11 07:32	38.20	35.00
GW0333	1111109-03	11/16/11 07:32	37.61	35.00
GW0361	1111109-05	11/16/11 07:32	37.41	35.00
GW0363	1111109-07	11/16/11 07:32	37.24	35.00
GW0364	1111109-09	11/16/11 07:32	37.05	35.00
Blank	1K16002-BLK1	11/16/11 07:32	35.00	35.00
LCS	1K16002-BS1	11/16/11 07:32	35.00	35.00
LCS Dup	1K16002-BSD1	11/16/11 07:32	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K09026-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	11/09/11 14:31	Analyzed:	11/10/11 11:07
Solids:		Preparation:	EDB	Dilution:	

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K16002-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	11/16/11 07:32	Analyzed:	11/16/11 12:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K31403	Instrument:	GL-ECD2
Calibration:	1314001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11K0184	EDB ICAL 1 (0.03ppb)	1K31403-CAL1	002R0101.D	11/07/11 11:19
11K0184	EDB ICAL 1 (0.03ppb)	1K31403-CAL1	002F0101.D	11/07/11 11:19
11K0188	EDB ICAL 2 (0.05ppb)	1K31403-CAL2	003F0101.D	11/07/11 11:40
11K0188	EDB ICAL 2 (0.05ppb)	1K31403-CAL2	003R0101.D	11/07/11 11:40
11K0189	EDB ICAL 3 (0.10ppb)	1K31403-CAL3	004F0101.D	11/07/11 12:02
11K0189	EDB ICAL 3 (0.10ppb)	1K31403-CAL3	004R0101.D	11/07/11 12:02
11K0190	EDB ICAL 4 (0.15ppb)	1K31403-CAL4	005R0101.D	11/07/11 12:24
11K0190	EDB ICAL 4 (0.15ppb)	1K31403-CAL4	005F0101.D	11/07/11 12:24
11K0191	EDB ICAL 5 (0.2ppb)	1K31403-CAL5	006R0101.D	11/07/11 12:46
11K0191	EDB ICAL 5 (0.2ppb)	1K31403-CAL5	006F0101.D	11/07/11 12:46
11K0193	EDB ICAL 6 (0.4ppb)	1K31403-CAL6	007F0101.D	11/07/11 13:07
11K0193	EDB ICAL 6 (0.4ppb)	1K31403-CAL6	007R0101.D	11/07/11 13:07
11K0194	EDB ICAL 7 (0.5ppb)	1K31403-CAL7	008F0101.D	11/07/11 13:29
11K0194	EDB ICAL 7 (0.5ppb)	1K31403-CAL7	008R0101.D	11/07/11 13:29
11K0195	EDB ICAL 8 (1.0ppb)	1K31403-CAL8	009R0101.D	11/07/11 13:51
11K0195	EDB ICAL 8 (1.0ppb)	1K31403-CAL8	009F0101.D	11/07/11 13:51

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1314001	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	11/7/11 11:19	11/7/11 13:51

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	1	38668	0.5	45114	0.4	48535	0.2	59765	0.15	74380	0.1	82230
1,2-Dibromoethane [2C]	1	34398	0.5	36908	0.4	36665	0.2	38375	0.15	42040	0.1	43960
1,2-Dibromo-3-chloropropane	1	52876	0.5	62964	0.4	65760	0.2	78440	0.15	90106.66	0.1	97370
1,2-Dibromo-3-chloropropane [2C]	1	64801	0.5	69550	0.4	71752.5	0.2	83155	0.15	92153.34	0.1	103400

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1314001	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	11/7/11 11:19	11/7/11 13:51

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.05	124780	0.03	170133.3								
1,2-Dibromoethane [2C]	0.05	45540	0.03	53566.67								
1,2-Dibromo-3-chloropropane	0.05	124440	0.03	150500								
1,2-Dibromo-3-chloropropane [2C]	0.05	136940	0.03	168066.7								

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1314001	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	11/7/11 11:19	11/7/11 13:51

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	80450.67	56.55116	2.405875	0.1966167		0.9989625	0.995	
1,2-Dibromoethane [2C]	41431.58	15.07027	2.274375	0.2028472	0.9989821		0.995	
1,2-Dibromo-3-chloropropane	90307.08	36.79823	8.491875	1.518922E-02		0.9996701	0.995	
1,2-Dibromo-3-chloropropane [2C]	98727.31	36.93066	8.6815	2.705922E-02	0.9994625		0.995	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	010F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K31403	Injection Date:	11/07/11
Lab Sample ID:	1K31403-ICV1	Injection Time:	14:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4250	80450.67	40618		-15.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.4247	41431.58	30640		-15.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	002F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K31801	Injection Date:	11/10/11
Lab Sample ID:	1K31801-CCV1	Injection Time:	10:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5015	80450.67	45870		0.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5044	41431.58	36040		0.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	017F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K31801	Injection Date:	11/10/11
Lab Sample ID:	1K31801-CCV2	Injection Time:	16:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4739	80450.67	43992		-5.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.4910	41431.58	35128		-1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	022F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K31801	Injection Date:	11/10/11
Lab Sample ID:	1K31801-CCV3	Injection Time:	17:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4384	80450.67	41550		-12.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4733	41431.58	33932		-5.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	002F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K32004	Injection Date:	11/14/11
Lab Sample ID:	1K32004-CCV1	Injection Time:	11:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4593	80450.67	42994		-8.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5227	41431.58	37278		4.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	004F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K32004	Injection Date:	11/14/11
Lab Sample ID:	1K32004-CCV2	Injection Time:	14:20

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5080	80450.67	46314		1.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.5146	41431.58	36730		2.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	002F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K32510	Injection Date:	11/16/11
Lab Sample ID:	1K32510-CCV1	Injection Time:	12:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4935	80450.67	45328		-1.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5171	41431.58	36900		3.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	016F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K32510	Injection Date:	11/16/11
Lab Sample ID:	1K32510-CCV2	Injection Time:	17:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4606	80450.67	43082		-7.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5155	41431.58	36792		3.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1314001
Lab File ID:	018F0101.D	Calibration Date:	11/07/11 11:19
Sequence:	1K32510	Injection Date:	11/16/11
Lab Sample ID:	1K32510-CCV3	Injection Time:	17:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4630	80450.67	43246		-7.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5286	41431.58	37680		5.7	20

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

* Values outside of QC limits

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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
GW0291	11/07/11 10:10	11/08/11 08:20	11/10/11 00:00	N/A	14.00	11/10/11 15:29	3.18	14.00	
GW0301	11/07/11 10:42	11/08/11 08:20	11/10/11 00:00	N/A	14.00	11/10/11 15:50	3.17	14.00	
GW0302	11/07/11 13:13	11/08/11 08:20	11/10/11 00:00	N/A	14.00	11/10/11 16:33	3.10	14.00	
GW0303	11/08/11 10:35	11/09/11 08:15	11/10/11 00:00	N/A	14.00	11/10/11 16:54	2.22	14.00	
GW0327	11/08/11 10:31	11/09/11 08:15	11/10/11 00:00	N/A	14.00	11/10/11 17:15	2.24	14.00	
GW0330	11/07/11 14:52	11/09/11 08:15	11/10/11 00:00	N/A	14.00	11/14/11 13:59	6.92	14.00	
GW0269	11/08/11 14:26	11/10/11 08:20	11/16/11 07:32	N/A	14.00	11/16/11 13:39	7.93	14.00	
GW0318	11/09/11 11:16	11/10/11 08:20	11/16/11 07:32	N/A	14.00	11/16/11 14:00	7.07	14.00	
GW0319	11/09/11 13:53	11/10/11 08:20	11/16/11 07:32	N/A	14.00	11/16/11 14:22	6.98	14.00	
GW0328	11/08/11 14:31	11/10/11 08:20	11/16/11 07:32	N/A	14.00	11/16/11 14:43	7.97	14.00	
GW0329	11/08/11 14:31	11/10/11 08:20	11/16/11 07:32	N/A	14.00	11/16/11 15:04	7.98	14.00	
GW0362	11/09/11 11:00	11/10/11 08:20	11/16/11 07:32	N/A	14.00	11/16/11 15:25	7.14	14.00	
GW0258	11/10/11 10:13	11/11/11 08:35	11/16/11 07:32	N/A	14.00	11/16/11 15:46	6.19	14.00	
GW0333	11/10/11 13:08	11/11/11 08:35	11/16/11 07:32	N/A	14.00	11/16/11 16:07	6.08	14.00	
GW0361	11/10/11 10:20	11/11/11 08:35	11/16/11 07:32	N/A	14.00	11/16/11 16:28	6.21	14.00	
GW0363	11/09/11 14:22	11/11/11 08:35	11/16/11 07:32	N/A	14.00	11/16/11 16:49	7.06	14.00	
GW0364	11/09/11 14:22	11/11/11 08:35	11/16/11 07:32	N/A	14.00	11/16/11 17:31	7.09	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1K09026-BS1
File ID: 004F0101.D
Sampled:
Prepared:
Analyzed: 11/10/11 11:29
Solids:
Preparation: EDB
Dilution:
Batch: 1K09026
Sequence: 1K31801
Calibration: 1314001
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3974	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K09026-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	11/10/11 11:29
Solids:		Preparation:	EDB	Dilution:	

Batch: 1K09026 Sequence: 1K31801 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4085	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1K16002-BS1
File ID: 004F0101.D
Sampled:
Prepared:
Analyzed: 11/16/11 12:57
Solids:
Preparation: EDB
Dilution:
Batch: 1K16002
Sequence: 1K32510
Calibration: 1314001
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4087	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1K16002-BS1
File ID: 004R0101.D
Sampled:
Prepared:
Analyzed: 11/16/11 12:57
Solids:
Preparation: EDB
Dilution:
Batch: 1K16002
Sequence: 1K32510
Calibration: 1314001
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4592	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K16002-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	11/16/11 13:18
Solids:		Preparation:	EDB	Dilution:	
Batch:	1K16002	Sequence:	1K32510	Calibration:	1314001
Instrument:	GL-ECD2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4206	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_035
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1K16002-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	11/16/11 13:18
Solids:		Preparation:	EDB	Dilution:	

Batch: 1K16002 Sequence: 1K32510 Calibration: 1314001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4724	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0327

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1111093-03

Date(s) Analyzed: 11/10/2011 11/10/2011

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.0618	
	2	2.28	2.24	2.30	0.0550	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0330

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1111093-05

Date(s) Analyzed: 11/14/2011 11/14/2011

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	1.09	
	2	2.29	2.24	2.30	1.14	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1K09026-BS1 Date(s) Analyzed: 11/10/2011 11/10/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.38	2.44	0.3974	
	2	2.27	2.24	2.30	0.4085	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0333

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1111109-03

Date(s) Analyzed: 11/16/2011 11/16/2011

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.176	
	2	2.29	2.24	2.30	0.207	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1K16002-BS1 Date(s) Analyzed: 11/16/2011 11/16/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.4087	
	2	2.29	2.24	2.30	0.4592	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1K16002-BSD1 Date(s) Analyzed: 11/16/2011 11/16/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.42	2.38	2.44	0.4206	
	2	2.29	2.24	2.30	0.4724	12

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01
Sampled:	11/07/11 10:10	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39400	1000	2000	5000	1		SW6010B	1K15024	11/18/11 13:58
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K15024	11/18/11 13:58
7439-95-4	Magnesium	5290	1000	3000	5000	1		SW6010B	1K15024	11/18/11 13:58
7440-09-7	Potassium	2380	1000	3000	5000	1	J	SW6010B	1K15024	11/18/11 13:58
7440-23-5	Sodium	26500	1000	3000	5000	1		SW6010B	1K15024	11/18/11 13:58

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-02
Sampled:	11/07/11 10:10	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 18:31
7439-96-5	Manganese (dissolved)	41.3	3.00	6.00	15.0	1		SW6010B	1K17009	11/21/11 18:31

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03
Sampled:	11/07/11 10:42	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	52100	1000	2000	5000	1		SW6010B	1K15024	11/18/11 14:03
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K15024	11/18/11 14:03
7439-95-4	Magnesium	7250	1000	3000	5000	1		SW6010B	1K15024	11/18/11 14:03
7440-09-7	Potassium	2520	1000	3000	5000	1	J	SW6010B	1K15024	11/18/11 14:03
7440-23-5	Sodium	28700	1000	3000	5000	1		SW6010B	1K15024	11/18/11 14:03

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-04
Sampled:	11/07/11 10:42	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 18:48
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K17009	11/21/11 18:48

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05
Sampled:	11/07/11 13:13	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41800	1000	2000	5000	1		SW6010B	1K15024	11/18/11 14:08
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K15024	11/18/11 14:08
7439-95-4	Magnesium	5600	1000	3000	5000	1		SW6010B	1K15024	11/18/11 14:08
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	1K15024	11/18/11 14:08
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	1K15024	11/18/11 14:08

ANALYSIS DATA SHEET

GW0302

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 11/07/11 13:13
% Solids: 0.00

SDG: Kirtland_035
Project: Kirtland AFB 2011
Laboratory ID: 1111091-06
Received: 11/08/11 08:20

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	1K17009	11/21/11 18:53
7439-96-5	Manganese (dissolved)	337	3.00	6.00	15.0	1		SW6010B	1K17009	11/21/11 18:53

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01
Sampled:	11/08/11 10:35	Received:	11/09/11 08:15
% 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	1K16005	11/21/11 15:01
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16005	11/21/11 15:01
7439-95-4	Magnesium	4620	1000	3000	5000	1	J	SW6010B	1K16005	11/21/11 15:01
7440-09-7	Potassium	2010	1000	3000	5000	1	J	SW6010B	1K16005	11/21/11 15:01
7440-23-5	Sodium	21900	1000	3000	5000	1		SW6010B	1K16005	11/21/11 15:01

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-02
Sampled:	11/08/11 10:35	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 18:57
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K17009	11/21/11 18:57

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03
Sampled:	11/08/11 10:31	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	68500	1000	2000	5000	1		SW6010B	1K16005	11/21/11 15:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16005	11/21/11 15:06
7439-95-4	Magnesium	9140	1000	3000	5000	1		SW6010B	1K16005	11/21/11 15:06
7440-09-7	Potassium	3260	1000	3000	5000	1	J	SW6010B	1K16005	11/21/11 15:06
7440-23-5	Sodium	29900	1000	3000	5000	1		SW6010B	1K16005	11/21/11 15:06

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-04
Sampled:	11/08/11 10:31	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 19:02
7439-96-5	Manganese (dissolved)	70.3	3.00	6.00	15.0	1		SW6010B	1K17009	11/21/11 19:02

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05
Sampled:	11/07/11 14:52	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	59300	1000	2000	5000	1		SW6010B	1K16005	11/21/11 15:10
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16005	11/21/11 15:10
7439-95-4	Magnesium	7920	1000	3000	5000	1		SW6010B	1K16005	11/21/11 15:10
7440-09-7	Potassium	2980	1000	3000	5000	1	J	SW6010B	1K16005	11/21/11 15:10
7440-23-5	Sodium	28000	1000	3000	5000	1		SW6010B	1K16005	11/21/11 15:10

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-06
Sampled:	11/07/11 14:52	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	42.9	30.0	60.0	100	1	J	SW6010B	1K17009	11/21/11 19:06
7439-96-5	Manganese (dissolved)	76.4	3.00	6.00	15.0	1		SW6010B	1K17009	11/21/11 19:06

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01
Sampled:	11/08/11 14:26	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45500	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:14
7439-95-4	Magnesium	5660	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:14
7440-09-7	Potassium	2250	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:14
7440-23-5	Sodium	20500	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:14

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-02
Sampled:	11/08/11 14:26	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 19:11
7439-96-5	Manganese (dissolved)	7.04	3.00	6.00	15.0	1	J	SW6010B	1K17009	11/21/11 19:11

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03
Sampled:	11/09/11 11:16	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33900	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:19
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:19
7439-95-4	Magnesium	4680	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:19
7440-09-7	Potassium	1920	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:19
7440-23-5	Sodium	21200	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:19

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-04
Sampled:	11/09/11 11:16	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 19:15
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K17009	11/21/11 19:15

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05
Sampled:	11/09/11 13:53	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45400	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:23
7439-95-4	Magnesium	6300	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:23
7440-09-7	Potassium	2330	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:23
7440-23-5	Sodium	24900	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:23

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-06
Sampled:	11/09/11 13:53	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 19:20
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K17009	11/21/11 19:20

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07
Sampled:	11/08/11 14:31	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	40900	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:28
7439-95-4	Magnesium	5290	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:28
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:28
7440-23-5	Sodium	22800	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:28

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-08
Sampled:	11/08/11 14:31	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 19:24
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K17009	11/21/11 19:24

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09
Sampled:	11/08/11 14:31	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38900	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:33
7439-95-4	Magnesium	5060	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:33
7440-09-7	Potassium	2250	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:33
7440-23-5	Sodium	22100	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:33

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-10
Sampled:	11/08/11 14:31	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K17009	11/21/11 19:29
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K17009	11/21/11 19:29

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11
Sampled:	11/09/11 11:00	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51600	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:37
7439-95-4	Magnesium	7610	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:37
7440-09-7	Potassium	2670	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:37
7440-23-5	Sodium	24100	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:37

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-12
Sampled:	11/09/11 11:00	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1K28019	11/28/11 21:08
7439-96-5	Manganese (dissolved)	12.0	3.00	6.00	15.0	1	J	SW6010B	1K28019	11/28/11 21:08

ANALYSIS DATA SHEET

GW0258

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 11/10/11 10:13
% Solids: 0.00

SDG: Kirtland_035
Project: Kirtland AFB 2011
Laboratory ID: 1111109-01
Received: 11/11/11 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46100	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:42
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:42
7439-95-4	Magnesium	6960	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:42
7440-09-7	Potassium	2550	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:42
7440-23-5	Sodium	23700	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:42

ANALYSIS DATA SHEET

GW0258

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-02
Sampled:	11/10/11 10:13	Received:	11/11/11 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	1K28019	11/28/11 21:53
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K28019	11/28/11 21:53

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03
Sampled:	11/10/11 13:08	Received:	11/11/11 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	60400	1000	2000	5000	1		SW6010B	1K16008	11/21/11 17:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K16008	11/21/11 17:46
7439-95-4	Magnesium	8520	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:46
7440-09-7	Potassium	2940	1000	3000	5000	1	J	SW6010B	1K16008	11/21/11 17:46
7440-23-5	Sodium	26500	1000	3000	5000	1		SW6010B	1K16008	11/21/11 17:46

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-04
Sampled:	11/10/11 13:08	Received:	11/11/11 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	1K28019	11/28/11 21:58
7439-96-5	Manganese (dissolved)	104	3.00	6.00	15.0	1		SW6010B	1K28019	11/28/11 21:58

ANALYSIS DATA SHEET

GW0361

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 11/10/11 10:20
% Solids: 0.00

SDG: Kirtland_035
Project: Kirtland AFB 2011
Laboratory ID: 1111109-05
Received: 11/11/11 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	63900	1000	2000	5000	1		SW6010B	1K28018	11/29/11 13:49
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K28018	11/29/11 13:49
7439-95-4	Magnesium	9220	1000	3000	5000	1		SW6010B	1K28018	11/29/11 13:49
7440-09-7	Potassium	2970	1000	3000	5000	1	J	SW6010B	1K28018	11/29/11 13:49
7440-23-5	Sodium	27300	1000	3000	5000	1		SW6010B	1K28018	11/29/11 13:49

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-06
Sampled:	11/10/11 10:20	Received:	11/11/11 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	1K28019	11/28/11 22:03
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K28019	11/28/11 22:03

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07
Sampled:	11/09/11 14:22	Received:	11/11/11 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	40800	1000	2000	5000	1		SW6010B	1K28018	11/29/11 13:53
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K28018	11/29/11 13:53
7439-95-4	Magnesium	5820	1000	3000	5000	1		SW6010B	1K28018	11/29/11 13:53
7440-09-7	Potassium	2430	1000	3000	5000	1	J	SW6010B	1K28018	11/29/11 13:53
7440-23-5	Sodium	21900	1000	3000	5000	1		SW6010B	1K28018	11/29/11 13:53

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-08
Sampled:	11/09/11 14:22	Received:	11/11/11 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	1K28019	11/28/11 22:07
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K28019	11/28/11 22:07

ANALYSIS DATA SHEET

GW0364

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 11/09/11 14:22
% Solids: 0.00

SDG: Kirtland_035
Project: Kirtland AFB 2011
Laboratory ID: 1111109-09
Received: 11/11/11 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39900	1000	2000	5000	1		SW6010B	1K28018	11/29/11 13:58
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1K28018	11/29/11 13:58
7439-95-4	Magnesium	5690	1000	3000	5000	1		SW6010B	1K28018	11/29/11 13:58
7440-09-7	Potassium	2400	1000	3000	5000	1	J	SW6010B	1K28018	11/29/11 13:58
7440-23-5	Sodium	21600	1000	3000	5000	1		SW6010B	1K28018	11/29/11 13:58

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-10
Sampled:	11/09/11 14:22	Received:	11/11/11 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	1K28019	11/28/11 22:12
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1K28019	11/28/11 22:12

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_035
Project: Kirtland AFB 2011
Calibration: 1325002
Sequence: 1K32511

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K32511-ICV1	Calcium	50000	53770	108	ug/L	+/- 10.00%
	Lead	1000	970.3	97.0	ug/L	+/- 10.00%
	Magnesium	50000	50820	102	ug/L	+/- 10.00%
	Potassium	10000	9350	93.5	ug/L	+/- 10.00%
	Sodium	50000	51650	103	ug/L	+/- 10.00%
1K32511-CCV1	Calcium	50000	52880	106	ug/L	+/- 10.00%
	Lead	1000	964.3	96.4	ug/L	+/- 10.00%
	Magnesium	50000	50110	100	ug/L	+/- 10.00%
	Potassium	10000	9992	99.9	ug/L	+/- 10.00%
	Sodium	50000	51950	104	ug/L	+/- 10.00%
1K32511-CCV2	Calcium	50000	48540	97.1	ug/L	+/- 10.00%
	Lead	1000	988.8	98.9	ug/L	+/- 10.00%
	Magnesium	50000	48200	96.4	ug/L	+/- 10.00%
	Potassium	10000	9727	97.3	ug/L	+/- 10.00%
	Sodium	50000	48080	96.2	ug/L	+/- 10.00%
1K32511-CCV3	Calcium	50000	50970	102	ug/L	+/- 10.00%
	Lead	1000	954.1	95.4	ug/L	+/- 10.00%
	Magnesium	50000	48960	97.9	ug/L	+/- 10.00%
	Potassium	10000	9857	98.6	ug/L	+/- 10.00%
	Sodium	50000	51170	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_035
Project: Kirtland AFB 2011
Calibration: 1326001
Sequence: 1K32518

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K32518-ICV1	Calcium	50000	54200	108	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10460	105	ug/L	+/- 10.00%
	Lead	1000	989.1	98.9	ug/L	+/- 10.00%
	Magnesium	50000	50920	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1063	106	ug/L	+/- 10.00%
	Potassium	10000	9591	95.9	ug/L	+/- 10.00%
	Sodium	50000	51600	103	ug/L	+/- 10.00%
1K32518-CCV1	Calcium	50000	52940	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10410	104	ug/L	+/- 10.00%
	Lead	1000	996.4	99.6	ug/L	+/- 10.00%
	Magnesium	50000	50340	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1050	105	ug/L	+/- 10.00%
	Potassium	10000	10060	101	ug/L	+/- 10.00%
	Sodium	50000	51680	103	ug/L	+/- 10.00%
1K32518-CCV2	Calcium	50000	51980	104	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10300	103	ug/L	+/- 10.00%
	Lead	1000	1003	100	ug/L	+/- 10.00%
	Magnesium	50000	50190	100	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1040	104	ug/L	+/- 10.00%
	Potassium	10000	10030	100	ug/L	+/- 10.00%
	Sodium	50000	50860	102	ug/L	+/- 10.00%
1K32518-CCV3	Calcium	50000	50760	102	ug/L	+/- 10.00%
	Lead	1000	1007	101	ug/L	+/- 10.00%
	Magnesium	50000	49770	99.5	ug/L	+/- 10.00%
	Potassium	10000	9917	99.2	ug/L	+/- 10.00%
	Sodium	50000	50170	100	ug/L	+/- 10.00%
1K32518-CCV4	Calcium	50000	51020	102	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	49800	99.6	ug/L	+/- 10.00%
	Potassium	10000	9920	99.2	ug/L	+/- 10.00%
	Sodium	50000	49720	99.4	ug/L	+/- 10.00%
1K32518-CCV5	Calcium	50000	51550	103	ug/L	+/- 10.00%
	Lead	1000	1006	101	ug/L	+/- 10.00%
	Magnesium	50000	49750	99.5	ug/L	+/- 10.00%
	Potassium	10000	9922	99.2	ug/L	+/- 10.00%
	Sodium	50000	50250	101	ug/L	+/- 10.00%
1K32518-CCV6	Calcium	50000	51450	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9947	99.5	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_035
Project: Kirtland AFB 2011
Calibration: 1326001
Sequence: 1K32518

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K32518-CCV6	Lead	1000	1026	103	ug/L	+/- 10.00%
	Magnesium	50000	49980	100	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1048	105	ug/L	+/- 10.00%
	Potassium	10000	9899	99.0	ug/L	+/- 10.00%
	Sodium	50000	49160	98.3	ug/L	+/- 10.00%
1K32518-CCV7	Iron (dissolved)	10000	10080	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	105	ug/L	+/- 10.00%
1K32518-CCV8	Iron (dissolved)	10000	10030	100	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1050	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_035
Project: Kirtland AFB 2011
Calibration: 1333001
Sequence: 1K33306

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33306-ICV1	Iron (dissolved)	10000	10550	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1015	101	ug/L	+/- 10.00%
1K33306-CCV1	Iron (dissolved)	10000	10580	106	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1015	101	ug/L	+/- 10.00%
1K33306-CCV8	Iron (dissolved)	10000	10160	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1035	103	ug/L	+/- 10.00%
1K33306-CCV9	Iron (dissolved)	10000	10350	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1024	102	ug/L	+/- 10.00%
1K33306-CCVA	Iron (dissolved)	10000	10300	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1036	104	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_035
Project: Kirtland AFB 2011
Calibration: 1333005
Sequence: 1K33320

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33320-ICV1	Calcium	50000	52160	104	ug/L	+/- 10.00%
	Lead	1000	974.7	97.5	ug/L	+/- 10.00%
	Magnesium	50000	49940	99.9	ug/L	+/- 10.00%
	Potassium	10000	9237	92.4	ug/L	+/- 10.00%
	Sodium	50000	50770	102	ug/L	+/- 10.00%
1K33320-CCV1	Calcium	50000	51610	103	ug/L	+/- 10.00%
	Lead	1000	991.9	99.2	ug/L	+/- 10.00%
	Magnesium	50000	50000	100	ug/L	+/- 10.00%
	Potassium	10000	10040	100	ug/L	+/- 10.00%
	Sodium	50000	51240	102	ug/L	+/- 10.00%
1K33320-CCV2	Calcium	50000	52600	105	ug/L	+/- 10.00%
	Lead	1000	989.0	98.9	ug/L	+/- 10.00%
	Magnesium	50000	50820	102	ug/L	+/- 10.00%
	Potassium	10000	10080	101	ug/L	+/- 10.00%
	Sodium	50000	51310	103	ug/L	+/- 10.00%
1K33320-CCV3	Calcium	50000	52040	104	ug/L	+/- 10.00%
	Lead	1000	966.7	96.7	ug/L	+/- 10.00%
	Magnesium	50000	49890	99.8	ug/L	+/- 10.00%
	Potassium	10000	10050	100	ug/L	+/- 10.00%
	Sodium	50000	50700	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1325002

Sequence: 1K32511

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K32511-CRL1	Calcium	2000	2109	105	ug/L	80 - 120
	Lead	3.000	3.541	118	ug/L	80 - 120
	Magnesium	3000	3113	104	ug/L	80 - 120
	Potassium	3000	3054	102	ug/L	80 - 120
	Sodium	3000	3100	103	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1326001

Sequence: 1K32518

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K32518-CRL1	Calcium	2000	2135	107	ug/L	80 - 120
	Iron (dissolved)	60.00	62.01	103	ug/L	80 - 120
	Lead	3.000	2.820	94.0	ug/L	80 - 120
	Magnesium	3000	3114	104	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.442	107	ug/L	80 - 120
	Potassium	3000	3025	101	ug/L	80 - 120
	Sodium	3000	3088	103	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1333001

Sequence: 1K33306

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K33306-CRL1	Iron (dissolved)	60.00	63.75	106	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.213	104	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1333005

Sequence: 1K33320

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K33320-CRL1	Calcium	2000	2109	105	ug/L	80 - 120
	Magnesium	3000	3096	103	ug/L	80 - 120
	Potassium	3000	3037	101	ug/L	80 - 120
	Sodium	3000	3091	103	ug/L	80 - 120
1K33320-CRL2	Lead	3.000	3.283	109	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1K32511
Calibration: 1325002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K32511-ICB1	Calcium	0.7300	1000	5000	ug/L	U	SW6010B
	Lead	0.2156	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.070	1000	5000	ug/L	U	SW6010B
	Potassium	13.32	1000	5000	ug/L	U	SW6010B
	Sodium	1.910	1000	5000	ug/L	U	SW6010B
1K32511-CCB1	Calcium	2.93	1000	5000	ug/L	U	SW6010B
	Lead	0.215	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.59	1000	5000	ug/L	U	SW6010B
	Potassium	16.9	1000	5000	ug/L	U	SW6010B
	Sodium	9.21	1000	5000	ug/L	U	SW6010B
1K15024-BLK1	Calcium	12.6	1000	5000	ug/L	U	SW6010B
	Lead	-0.0435	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.52	1000	5000	ug/L	U	SW6010B
	Potassium	31.3	1000	5000	ug/L	U	SW6010B
	Sodium	16.6	1000	5000	ug/L	U	SW6010B
1K32511-CCB2	Calcium	7.10	1000	5000	ug/L	U	SW6010B
	Lead	0.537	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.58	1000	5000	ug/L	U	SW6010B
	Potassium	58.9	1000	5000	ug/L	U	SW6010B
	Sodium	10.1	1000	5000	ug/L	U	SW6010B
1K32511-CCB3	Calcium	4.05	1000	5000	ug/L	U	SW6010B
	Lead	-0.166	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.43	1000	5000	ug/L	U	SW6010B
	Potassium	53.4	1000	5000	ug/L	U	SW6010B
	Sodium	19.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1K32518
Calibration: 1326001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K32518-ICB1	Calcium	9.060	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.4945	30.0	100	ug/L	U	SW6010B
	Lead	-0.4665	1.50	3.00	ug/L	U	SW6010B
	Magnesium	24.09	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.01858	3.00	15.0	ug/L	U	SW6010B
	Potassium	-1.290	1000	5000	ug/L	U	SW6010B
	Sodium	23.19	1000	5000	ug/L	U	SW6010B
1K32518-CCB1	Calcium	6.15	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-2.85	30.0	100	ug/L	U	SW6010B
	Lead	-0.0226	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.4	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.119	3.00	15.0	ug/L	U	SW6010B
	Potassium	2.27	1000	5000	ug/L	U	SW6010B
	Sodium	24.9	1000	5000	ug/L	U	SW6010B
1K17009-BLK1	Iron (dissolved)	-2.29	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.259	3.00	15.0	ug/L	U	SW6010B
1K32518-CCB2	Calcium	6.14	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-4.72	30.0	100	ug/L	U	SW6010B
	Lead	0.602	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.6	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.181	3.00	15.0	ug/L	U	SW6010B
	Potassium	56.5	1000	5000	ug/L	U	SW6010B
	Sodium	207	1000	5000	ug/L	U	SW6010B
1K16005-BLK1	Calcium	6.92	1000	5000	ug/L	U	SW6010B
	Lead	0.783	1.50	3.00	ug/L	U	SW6010B
	Magnesium	15.1	1000	5000	ug/L	U	SW6010B
	Potassium	58.2	1000	5000	ug/L	U	SW6010B
	Sodium	180	1000	5000	ug/L	U	SW6010B
1K32518-CCB3	Calcium	7.37	1000	5000	ug/L	U	SW6010B
	Lead	0.614	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.88	1000	5000	ug/L	U	SW6010B
	Potassium	25.7	1000	5000	ug/L	U	SW6010B
	Sodium	80.8	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1K32518
Calibration: 1326001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K32518-CCB4	Calcium	7.80	1000	5000	ug/L	U	SW6010B
	Lead	0.195	1.50	3.00	ug/L	U	SW6010B
	Magnesium	17.2	1000	5000	ug/L	U	SW6010B
	Potassium	25.0	1000	5000	ug/L	U	SW6010B
	Sodium	104	1000	5000	ug/L	U	SW6010B
1K16008-BLK1	Calcium	17.7	1000	5000	ug/L	U	SW6010B
	Lead	0.0710	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.67	1000	5000	ug/L	U	SW6010B
	Potassium	45.7	1000	5000	ug/L	U	SW6010B
	Sodium	89.9	1000	5000	ug/L	U	SW6010B
1K32518-CCB5	Calcium	1.34	1000	5000	ug/L	U	SW6010B
	Lead	0.186	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.07	1000	5000	ug/L	U	SW6010B
	Potassium	9.35	1000	5000	ug/L	U	SW6010B
	Sodium	16.9	1000	5000	ug/L	U	SW6010B
1K32518-CCB6	Calcium	-0.380	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-3.68	30.0	100	ug/L	U	SW6010B
	Lead	0.535	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.13	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0471	3.00	15.0	ug/L	U	SW6010B
	Potassium	-26.4	1000	5000	ug/L	U	SW6010B
	Sodium	9.94	1000	5000	ug/L	U	SW6010B
1K32518-CCB7	Iron (dissolved)	-1.93	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.245	3.00	15.0	ug/L	U	SW6010B
1K32518-CCB8	Iron (dissolved)	-1.86	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.173	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1K33306
Calibration: 1333001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33306-ICB1	Iron (dissolved)	-3.814	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.006380	3.00	15.0	ug/L	U	SW6010B
1K33306-CCB1	Iron (dissolved)	-0.469	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0629	3.00	15.0	ug/L	U	SW6010B
1K33306-CCB8	Iron (dissolved)	-0.522	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0818	3.00	15.0	ug/L	U	SW6010B
1K28019-BLK1	Iron (dissolved)	-3.10	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0595	3.00	15.0	ug/L	U	SW6010B
1K33306-CCB9	Iron (dissolved)	0.374	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.128	3.00	15.0	ug/L	U	SW6010B
1K33306-CCBA	Iron (dissolved)	-1.47	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.291	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1K33320
Calibration: 1333005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33320-ICB1	Calcium	1.490	1000	5000	ug/L	U	SW6010B
	Lead	0.7656	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-2.310	1000	5000	ug/L	U	SW6010B
	Potassium	10.70	1000	5000	ug/L	U	SW6010B
	Sodium	1.520	1000	5000	ug/L	U	SW6010B
1K33320-CCB1	Calcium	12.5	1000	5000	ug/L	U	SW6010B
	Lead	0.392	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.20	1000	5000	ug/L	U	SW6010B
	Potassium	14.9	1000	5000	ug/L	U	SW6010B
	Sodium	11.5	1000	5000	ug/L	U	SW6010B
1K33320-CCB2	Calcium	13.3	1000	5000	ug/L	U	SW6010B
	Lead	0.362	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.45	1000	5000	ug/L	U	SW6010B
	Potassium	7.43	1000	5000	ug/L	U	SW6010B
	Sodium	47.4	1000	5000	ug/L	U	SW6010B
1K28018-BLK1	Calcium	23.2	1000	5000	ug/L	U	SW6010B
	Lead	-0.0685	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.50	1000	5000	ug/L	U	SW6010B
	Potassium	12.8	1000	5000	ug/L	U	SW6010B
	Sodium	37.5	1000	5000	ug/L	U	SW6010B
1K33320-CCB3	Calcium	12.0	1000	5000	ug/L	U	SW6010B
	Lead	1.03	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.0300	1000	5000	ug/L	U	SW6010B
	Potassium	11.5	1000	5000	ug/L	U	SW6010B
	Sodium	24.9	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1325002
Sequence: 1K32511

Lab Sample ID	Analyte	True	Found	%R	Units
1K32511-IFA1	Calcium	500000	501,330.00	100	ug/L
	Lead		-1.08		ug/L
	Magnesium	500000	497,830.00	99.6	ug/L
	Potassium		12.71		ug/L
	Sodium		40.59		ug/L
1K32511-IFB1	Calcium	500000	503,120.00	101	ug/L
	Lead	50.00	46.04	92.1	ug/L
	Magnesium	500000	495,990.00	99.2	ug/L
	Potassium		-0.95		ug/L
	Sodium		63.46		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1326001
Sequence: 1K32518

Lab Sample ID	Analyte	True	Found	%R	Units
1K32518-IFA1	Calcium	500000	495,730.00	99.1	ug/L
	Iron (dissolved)	200000	206,490.00	103	ug/L
	Lead		2.35		ug/L
	Magnesium	500000	492,580.00	98.5	ug/L
	Manganese (dissolved)		-3.82		ug/L
	Potassium		-22.27		ug/L
	Sodium		86.30		ug/L
1K32518-IFB1	Calcium	500000	486,970.00	97.4	ug/L
	Iron (dissolved)	200000	202,930.00	101	ug/L
	Lead	50.00	49.30	98.6	ug/L
	Magnesium	500000	488,430.00	97.7	ug/L
	Manganese (dissolved)	500.0	487.12	97.4	ug/L
	Potassium		-7.93		ug/L
	Sodium		127.63		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1333001

Sequence: 1K33306

Lab Sample ID	Analyte	True	Found	%R	Units
1K33306-IFA1	Iron (dissolved)	200000	206,380.00	103	ug/L
	Manganese (dissolved)		-3.74		ug/L
1K33306-IFB1	Iron (dissolved)	200000	205,910.00	103	ug/L
	Manganese (dissolved)	500.0	483.17	96.6	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1333005
Sequence: 1K33320

Lab Sample ID	Analyte	True	Found	%R	Units
1K33320-IFA1	Calcium	500000	482,470.00	96.5	ug/L
	Lead		-0.92		ug/L
	Magnesium	500000	490,690.00	98.1	ug/L
	Potassium		-27.19		ug/L
	Sodium		37.43		ug/L
1K33320-IFB1	Calcium	500000	475,640.00	95.1	ug/L
	Lead	50.00	49.11	98.2	ug/L
	Magnesium	500000	488,800.00	97.8	ug/L
	Potassium		-20.84		ug/L
	Sodium		32.94		ug/L

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K15024	Laboratory ID:	1K15024-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	5528	111	80 - 120
Lead	250.0	263.2	105	80 - 120
Magnesium	5000	5330	107	80 - 120
Potassium	5000	5282	106	80 - 120
Sodium	5000	5533	111	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16005	Laboratory ID:	1K16005-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	5210	104	80 - 120
Lead	250.0	259.0	104	80 - 120
Magnesium	5000	5093	102	80 - 120
Potassium	5000	5010	100	80 - 120
Sodium	5000	5130	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16008	Laboratory ID:	1K16008-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	5154	103	80 - 120
Lead	250.0	261.9	105	80 - 120
Magnesium	5000	5074	101	80 - 120
Potassium	5000	4989	99.8	80 - 120
Sodium	5000	5028	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K17009	Laboratory ID:	1K17009-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	1061	106	80 - 120
Manganese (dissolved)	500.0	521.8	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K28018	Laboratory ID:	1K28018-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	5147	103	80 - 120
Lead	250.0	247.5	99.0	80 - 120
Magnesium	5000	5008	100	80 - 120
Potassium	5000	4914	98.3	80 - 120
Sodium	5000	5043	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K28019	Laboratory ID:	1K28019-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	1088	109	80 - 120
Manganese (dissolved)	500.0	523.8	105	80 - 120

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_035

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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_035

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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_035

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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_035

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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_035

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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_035

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_035

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K15024 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/15/11 11:40	50.00	50.00
GW0301	1111091-03	11/15/11 11:40	50.00	50.00
GW0302	1111091-05	11/15/11 11:40	50.00	50.00
Blank	1K15024-BLK1	11/15/11 11:40	50.00	50.00
LCS	1K15024-BS1	11/15/11 11:40	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16005 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0303	1111093-01	11/16/11 07:54	50.00	50.00
GW0327	1111093-03	11/16/11 07:54	50.00	50.00
GW0330	1111093-05	11/16/11 07:54	50.00	50.00
Blank	1K16005-BLK1	11/16/11 07:54	50.00	50.00
LCS	1K16005-BS1	11/16/11 07:54	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16008 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/16/11 08:00	50.00	50.00
GW0318	1111104-03	11/16/11 08:00	50.00	50.00
GW0319	1111104-05	11/16/11 08:00	50.00	50.00
GW0328	1111104-07	11/16/11 08:00	50.00	50.00
GW0329	1111104-09	11/16/11 08:00	50.00	50.00
GW0362	1111104-11	11/16/11 08:00	50.00	50.00
GW0258	1111109-01	11/16/11 08:00	50.00	50.00
GW0333	1111109-03	11/16/11 08:00	50.00	50.00
Blank	1K16008-BLK1	11/16/11 08:00	50.00	50.00
LCS	1K16008-BS1	11/16/11 08:00	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K17009 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-02	11/17/11 08:05	50.00	50.00
GW0301	1111091-04	11/17/11 08:05	50.00	50.00
GW0302	1111091-06	11/17/11 08:05	50.00	50.00
GW0303	1111093-02	11/17/11 08:05	50.00	50.00
GW0327	1111093-04	11/17/11 08:05	50.00	50.00
GW0330	1111093-06	11/17/11 08:05	50.00	50.00
GW0269	1111104-02	11/17/11 08:05	50.00	50.00
GW0318	1111104-04	11/17/11 08:05	50.00	50.00
GW0319	1111104-06	11/17/11 08:05	50.00	50.00
GW0328	1111104-08	11/17/11 08:05	50.00	50.00
GW0329	1111104-10	11/17/11 08:05	50.00	50.00
Blank	1K17009-BLK1	11/17/11 08:05	50.00	50.00
LCS	1K17009-BS1	11/17/11 08:05	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K28018 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0361	1111109-05	11/28/11 09:14	50.00	50.00
GW0363	1111109-07	11/28/11 09:14	50.00	50.00
GW0364	1111109-09	11/28/11 09:14	50.00	50.00
Blank	1K28018-BLK1	11/28/11 09:14	50.00	50.00
LCS	1K28018-BS1	11/28/11 09:14	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K28019 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0362	1111104-12	11/28/11 09:38	50.00	50.00
GW0258	1111109-02	11/28/11 09:38	50.00	50.00
GW0333	1111109-04	11/28/11 09:38	50.00	50.00
GW0361	1111109-06	11/28/11 09:38	50.00	50.00
GW0363	1111109-08	11/28/11 09:38	50.00	50.00
GW0364	1111109-10	11/28/11 09:38	50.00	50.00
Blank	1K28019-BLK1	11/28/11 09:38	50.00	50.00
LCS	1K28019-BS1	11/28/11 09:38	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32511	Instrument:	ME-ICP
Calibration:	1325002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K32511-CAL1	111811A-001	11/18/11 09:57
Cal Standard	1K32511-CAL2	111811A-002	11/18/11 10:02
Cal Standard	1K32511-CAL3	111811A-003	11/18/11 10:06
Cal Standard	1K32511-CAL5	111811A-005	11/18/11 10:16
Cal Standard	1K32511-CAL6	111811A-006	11/18/11 10:21
Cal Standard	1K32511-CAL7	111811A-007	11/18/11 10:27
Cal Standard	1K32511-CAL8	111811A-008	11/18/11 10:31
Initial Cal Check	1K32511-ICV1	111811B-001	11/18/11 11:00
Initial Cal Blank	1K32511-ICB1	111811B-002	11/18/11 11:07
Instrument RL Check	1K32511-CRL1	111811B-003	11/18/11 11:12
Interference Check A	1K32511-IFA1	111811B-006	11/18/11 11:29
Interference Check B	1K32511-IFB1	111811B-007	11/18/11 11:34
Calibration Check	1K32511-CCV1	111811B-009	11/18/11 11:46
Calibration Blank	1K32511-CCB1	111811B-010	11/18/11 11:53
Blank	1K15024-BLK1	111811B-011	11/18/11 11:58
LCS	1K15024-BS1	111811B-012	11/18/11 12:02
Calibration Check	1K32511-CCV2	111811B-027	11/18/11 13:15
Calibration Blank	1K32511-CCB2	111811B-028	11/18/11 13:22
GW0291	1111091-01	111811B-036	11/18/11 13:58
GW0301	1111091-03	111811B-037	11/18/11 14:03
GW0302	1111091-05	111811B-038	11/18/11 14:08
Calibration Check	1K32511-CCV3	111811B-039	11/18/11 14:13
Calibration Blank	1K32511-CCB3	111811B-040	11/18/11 14:20

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32518	Instrument:	ME-ICP
Calibration:	1326001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K32518-CAL1	112111A-001	11/21/11 09:26
Cal Standard	1K32518-CAL1	112111A-001	11/21/11 09:26
Cal Standard	1K32518-CAL2	112111A-002	11/21/11 09:31
Cal Standard	1K32518-CAL2	112111A-002	11/21/11 09:31
Cal Standard	1K32518-CAL3	112111A-003	11/21/11 09:35
Cal Standard	1K32518-CAL3	112111A-003	11/21/11 09:35
Cal Standard	1K32518-CAL4	112111A-004	11/21/11 09:39
Cal Standard	1K32518-CAL5	112111A-005	11/21/11 09:44
Cal Standard	1K32518-CAL5	112111A-005	11/21/11 09:44
Cal Standard	1K32518-CAL6	112111A-006	11/21/11 09:49
Cal Standard	1K32518-CAL6	112111A-006	11/21/11 09:49
Cal Standard	1K32518-CAL7	112111A-007	11/21/11 09:56
Cal Standard	1K32518-CAL8	112111A-008	11/21/11 10:01
Initial Cal Check	1K32518-ICV1	112111B-001	11/21/11 10:37
Initial Cal Check	1K32518-ICV1	112111B-001	11/21/11 10:37
Initial Cal Blank	1K32518-ICB1	112111B-002	11/21/11 10:44
Initial Cal Blank	1K32518-ICB1	112111B-002	11/21/11 10:44
Instrument RL Check	1K32518-CRL1	112111B-003	11/21/11 10:48
Instrument RL Check	1K32518-CRL1	112111B-003	11/21/11 10:48
Interference Check A	1K32518-IFA1	112111B-005	11/21/11 11:07
Interference Check A	1K32518-IFA1	112111B-005	11/21/11 11:07
Interference Check B	1K32518-IFB1	112111B-006	11/21/11 11:12
Interference Check B	1K32518-IFB1	112111B-006	11/21/11 11:12
Calibration Check	1K32518-CCV1	112111B-008	11/21/11 11:25
Calibration Check	1K32518-CCV1	112111B-008	11/21/11 11:25
Calibration Blank	1K32518-CCB1	112111B-009	11/21/11 11:32
Calibration Blank	1K32518-CCB1	112111B-009	11/21/11 11:32
Blank	1K17009-BLK1	112111B-019	11/21/11 12:25
LCS	1K17009-BS1	112111B-020	11/21/11 12:29
Calibration Check	1K32518-CCV2	112111B-027	11/21/11 13:09
Calibration Check	1K32518-CCV2	112111B-027	11/21/11 13:09
Calibration Blank	1K32518-CCB2	112111B-028	11/21/11 13:16

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32518	Instrument:	ME-ICP
Calibration:	1326001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	1K32518-CCB2	112111B-028	11/21/11 13:16
Blank	1K16005-BLK1	112111C-001	11/21/11 13:22
LCS	1K16005-BS1	112111C-002	11/21/11 13:27
Calibration Check	1K32518-CCV3	112111C-016	11/21/11 14:35
Calibration Blank	1K32518-CCB3	112111C-017	11/21/11 14:42
GW0303	1111093-01	112111C-021	11/21/11 15:01
GW0327	1111093-03	112111C-022	11/21/11 15:06
GW0330	1111093-05	112111C-023	11/21/11 15:10
Calibration Check	1K32518-CCV4	112111C-027	11/21/11 15:30
Calibration Blank	1K32518-CCB4	112111C-028	11/21/11 15:37
Blank	1K16008-BLK1	112111C-029	11/21/11 15:41
LCS	1K16008-BS1	112111C-030	11/21/11 15:46
Calibration Check	1K32518-CCV5	112111C-040	11/21/11 16:35
Calibration Blank	1K32518-CCB5	112111C-041	11/21/11 16:42
GW0269	1111104-01	112111C-048	11/21/11 17:14
GW0318	1111104-03	112111C-049	11/21/11 17:19
GW0319	1111104-05	112111C-050	11/21/11 17:23
GW0328	1111104-07	112111C-051	11/21/11 17:28
GW0329	1111104-09	112111C-052	11/21/11 17:33
GW0362	1111104-11	112111C-053	11/21/11 17:37
GW0258	1111109-01	112111C-054	11/21/11 17:42
GW0333	1111109-03	112111C-055	11/21/11 17:46
Calibration Check	1K32518-CCV6	112111C-056	11/21/11 17:52
Calibration Check	1K32518-CCV6	112111C-056	11/21/11 17:52
Calibration Blank	1K32518-CCB6	112111C-057	11/21/11 17:59
Calibration Blank	1K32518-CCB6	112111C-057	11/21/11 17:59
GW0291	1111091-02	112111C-064	11/21/11 18:31
Calibration Check	1K32518-CCV7	112111C-065	11/21/11 18:36
Calibration Blank	1K32518-CCB7	112111C-066	11/21/11 18:44
GW0301	1111091-04	112111C-067	11/21/11 18:48
GW0302	1111091-06	112111C-068	11/21/11 18:53
GW0303	1111093-02	112111C-069	11/21/11 18:57

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32518	Instrument:	ME-ICP
Calibration:	1326001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0327	1111093-04	112111C-070	11/21/11 19:02
GW0330	1111093-06	112111C-071	11/21/11 19:06
GW0269	1111104-02	112111C-072	11/21/11 19:11
GW0318	1111104-04	112111C-073	11/21/11 19:15
GW0319	1111104-06	112111C-074	11/21/11 19:20
GW0328	1111104-08	112111C-075	11/21/11 19:24
GW0329	1111104-10	112111C-076	11/21/11 19:29
Calibration Check	1K32518-CCV8	112111C-077	11/21/11 19:35
Calibration Blank	1K32518-CCB8	112111C-078	11/21/11 19:42

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33306	Instrument:	ME-ICP
Calibration:	1333001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K33306-CAL1	112811A-001	11/28/11 09:26
Cal Standard	1K33306-CAL2	112811A-002	11/28/11 09:31
Cal Standard	1K33306-CAL3	112811A-003	11/28/11 09:35
Cal Standard	1K33306-CAL4	112811A-004	11/28/11 09:40
Cal Standard	1K33306-CAL5	112811A-005	11/28/11 09:45
Cal Standard	1K33306-CAL6	112811A-006	11/28/11 09:50
Initial Cal Check	1K33306-ICV1	112811B-001	11/28/11 10:42
Initial Cal Blank	1K33306-ICB1	112811B-002	11/28/11 10:49
Instrument RL Check	1K33306-CRL1	112811B-003	11/28/11 10:54
Interference Check A	1K33306-IFA1	112811B-006	11/28/11 11:11
Interference Check B	1K33306-IFB1	112811B-007	11/28/11 11:16
Calibration Check	1K33306-CCV1	112811B-009	11/28/11 11:28
Calibration Blank	1K33306-CCB1	112811B-010	11/28/11 11:35
Calibration Check	1K33306-CCV8	112811B-120	11/28/11 20:37
Calibration Blank	1K33306-CCB8	112811B-121	11/28/11 20:44
Blank	1K28019-BLK1	112811B-122	11/28/11 20:49
LCS	1K28019-BS1	112811B-123	11/28/11 20:53
GW0362	1111104-12	112811B-126	11/28/11 21:08
Calibration Check	1K33306-CCV9	112811B-133	11/28/11 21:42
Calibration Blank	1K33306-CCB9	112811B-134	11/28/11 21:49
GW0258	1111109-02	112811B-135	11/28/11 21:53
GW0333	1111109-04	112811B-136	11/28/11 21:58
GW0361	1111109-06	112811B-137	11/28/11 22:03
GW0363	1111109-08	112811B-138	11/28/11 22:07
GW0364	1111109-10	112811B-139	11/28/11 22:12
Calibration Check	1K33306-CCVA	112811B-144	11/28/11 22:39
Calibration Blank	1K33306-CCBA	112811B-145	11/28/11 22:47

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33320	Instrument:	ME-ICP
Calibration:	1333005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K33320-CAL1	112911A-001	11/29/11 09:40
Cal Standard	1K33320-CAL2	112911A-002	11/29/11 09:45
Cal Standard	1K33320-CAL3	112911A-003	11/29/11 09:50
Cal Standard	1K33320-CAL5	112911A-005	11/29/11 09:59
Cal Standard	1K33320-CAL6	112911A-006	11/29/11 10:04
Cal Standard	1K33320-CAL7	112911A-007	11/29/11 10:09
Cal Standard	1K33320-CAL8	112911A-008	11/29/11 10:15
Initial Cal Check	1K33320-ICV1	112911B-001	11/29/11 10:45
Initial Cal Blank	1K33320-ICB1	112911B-002	11/29/11 10:52
Instrument RL Check	1K33320-CRL1	112911B-003	11/29/11 10:57
Instrument RL Check	1K33320-CRL2	112911B-005	11/29/11 11:08
Interference Check A	1K33320-IFA1	112911B-006	11/29/11 11:13
Interference Check B	1K33320-IFB1	112911B-007	11/29/11 11:18
Calibration Check	1K33320-CCV1	112911B-009	11/29/11 11:30
Calibration Blank	1K33320-CCB1	112911B-010	11/29/11 11:37
Calibration Check	1K33320-CCV2	112911B-022	11/29/11 12:47
Calibration Blank	1K33320-CCB2	112911B-023	11/29/11 12:56
Blank	1K28018-BLK1	112911C-001	11/29/11 13:01
LCS	1K28018-BS1	112911C-002	11/29/11 13:06
GW0361	1111109-05	112911C-011	11/29/11 13:49
GW0363	1111109-07	112911C-012	11/29/11 13:53
GW0364	1111109-09	112911C-013	11/29/11 13:58
Calibration Check	1K33320-CCV3	112911C-014	11/29/11 14:03
Calibration Blank	1K33320-CCB3	112911C-015	11/29/11 14:11

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1325002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/18/11 9:57 11/18/11 10:31

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
Aluminum	0	0	5000	2.157E-05	10000	2.0976E-05			500000	2.0918E-05		
Antimony	0	0	100	0.0005119	1000	5.2472E-04					10000	5.2351E-04
Arsenic	0	0	100	0.0003202	1000	3.3629E-04					10000	3.3209E-04
Barium	0	0	50	0.0108816	1000	0.010122	5000	0.0104782				
Beryllium	0	0	100	0.0027148	1000	0.0026949					10000	0.0026384
Boron	0	0	50	0.0000144	1000	1.465E-05					5000	1.4572E-05
Cadmium	0	0	100	0.016013	1000	0.016031					10000	0.015305
Calcium	0	0	1100	6.363636E-05	50000	6.1306E-05					10000	
Chromium	0	0	100	0.0000486	1000	4.692E-05					10000	4.7485E-05
Cobalt	0	0	100	0.0046641	1000	0.0045189					10000	0.0046451
Copper	0	0	100	0.000064	1000	5.949E-05					10000	5.945E-05
Iron	0	0	5100	1.981765E-05	10000	1.8709E-05			500000	1.81052E-05	10000	
Lead	0	0	100	0.0012593	1000	0.001206					10000	0.0012438
Magnesium	0	0	5100		50000	2.4478E-06			500000	2.5176E-06	10000	
Manganese	0	0	100	0.0002787	1000	2.7157E-04	10000	2.7432E-04			10000	
Molybdenum	0	0	100	0.0035717	1000	0.0036313					10000	0.0036365
Nickel	0	0	100	0.0031402	1000	0.0030499					10000	0.0030998
Potassium	0	0	1000	9.12E-06	10000	1.2492E-05						
Selenium	0	0	100	0.0003714	1000	3.7578E-04					10000	3.6875E-04
Silver	0	0	20	0.0000615	500	5.828E-05	2000	6.2945E-05				
Sodium	0	0	1000		50000	3.756E-05						
Strontium	0	0	100	0.00158	1000	0.001552					10000	0.001548
Thallium	0	0	100	0.0007032	1000	6.8537E-04					10000	6.9802E-04
Tin	0	0	50	0.001265	1000	0.0012602					5000	0.0012857
Titanium	0	0	100	0.0002207	1000	2.1514E-04					10000	0.0002161
Vanadium	0	0	100	0.0000518	1000	0.0000512					10000	5.144E-05
Zinc	0	0	100	0.0066197	1000	0.0066127					10000	0.0066038

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1325002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/18/11 9:57 11/18/11 10:31

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
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.8834E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.4137E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3082E-05										
Selenium												
Silver												
Sodium	100000	3.7952E-05	500000	3.7568E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1325002		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	11/18/11 9:57	11/18/11 10:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.5866E-05	66.69252	12.41994	192.9211	0.9999999		0.998	
Antimony	3.900325E-04	66.68313	72.47898	198.6798	0.9999999		0.998	
Arsenic	2.47145E-04	66.72365	5.423685	183.2054	0.9999978		0.998	
Barium	7.87045E-03	66.78315	1.181035	158.4244	0.9999466		0.998	
Beryllium	2.012025E-03	66.68606	9.94782	189.54	0.9999959		0.998	
Boron	1.09055E-05	66.67355	2.186955	140.1196	0.9999988		0.998	
Cadmium	1.183725E-02	66.72782	3.726027	187.4184	0.9999792		0.998	
Calcium	4.594409E-05	66.80314	0.81223	75.91995	0.9999831		0.998	
Chromium	3.575125E-05	66.69525	52.02352	198.6494	0.9999983		0.998	
Cobalt	3.457025E-03	66.69272	2.401537	179.2982	0.9999922		0.998	
Copper	4.5735E-05	66.82999	1.0022	101.9434	0.9999997		0.998	
Iron	1.415796E-05	66.85458	276.403	199.7077	0.9999993		0.998	
Lead	9.27275E-04	66.71036	9.853075	194.7888	0.9999902		0.998	
Magnesium	1.844775E-06	66.70786	22.41463	196.1255	0.9999347		0.998	
Manganese	2.061475E-04	66.68188	4.378577	157.9171	0.9999988		0.998	
Molybdenum	2.709875E-03	66.67549	2.94536	178.5676	1		0.998	
Nickel	2.322475E-03	66.68563	2.8455	187.3786	0.999997		0.998	
Potassium	8.6735E-06	69.6374	1.124895	100.9165	0.9999974		0.998	
Selenium	2.789825E-04	66.67476	8.075793	189.4761	0.9999966		0.998	
Silver	4.568125E-05	66.80318	5.930887	178.0623	0.9996151		0.998	
Sodium	2.827E-05	66.66981	2.969545	162.4339	0.999995		0.998	
Strontium	0.00117	66.67777	1.690625	129.6097	0.9999999		0.998	
Thallium	5.216475E-04	66.68212	1.59897	137.8376	0.9999969		0.998	
Tin	9.52725E-04	66.67678	1.960355	171.1673	0.9999841		0.998	
Titanium	1.62985E-04	66.68329	2.812695	174.003	0.9999996		0.998	
Vanadium	3.861E-05	66.66972	1.453203	154.4756	0.9999997		0.998	
Zinc	4.95905E-03	66.6668	6.994555	194.3811	1		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1326001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/21/11 9:26 11/21/11 10:01

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	2.1166E-05	10000	2.0732E-05			500000	2.1022E-05		
Antimony	0	0	100	0.0005812	1000	5.9327E-04					10000	5.8111E-04
Arsenic	0	0	100	0.0003236	1000	3.3851E-04					10000	3.3455E-04
Barium	0	0	50	0.01154	1000	0.010709	5000	0.0110844				
Beryllium	0	0	100	0.0024308	1000	0.002444					10000	0.0024325
Boron	0	0	50	0.0000134	1000	1.369E-05					5000	1.3524E-05
Cadmium	0	0	100	0.016198	1000	0.016186					10000	0.015505
Calcium	0	0	1100	5.835454E-05	50000	5.7344E-05					10000	
Chromium	0	0	100	0.0000488	1000	4.737E-05					10000	4.7374E-05
Cobalt	0	0	100	0.0051971	1000	0.005035					10000	0.0051054
Copper	0	0	100	0.0000669	1000	6.268E-05					10000	6.2833E-05
Iron	0	0	5100	1.804706E-05	10000	1.7123E-05			500000	1.6655E-05	10000	
Lead	0	0	100	0.0013398	1000	0.0012842					10000	0.0013132
Magnesium	0	0	5100		50000	2.386E-06			500000	2.4462E-06	10000	
Manganese	0	0	100	0.0002678	1000	2.6471E-04	10000	2.5681E-04			10000	
Molybdenum	0	0	100	0.0037108	1000	0.0037594					10000	0.0037524
Nickel	0	0	100	0.0032069	1000	0.0030892					10000	0.0031258
Potassium	0	0	1000	9.09E-06	10000	1.2236E-05						
Selenium	0	0	100	0.0003858	1000	3.8977E-04					10000	0.0003814
Silver	0	0	20	0.00006	500	0.0000559	2000	5.9475E-05				
Sodium	0	0	1000		50000	3.3784E-05						
Strontium	0	0	100	0.001594	1000	0.00159					10000	0.001573
Thallium	0	0	100	0.0006921	1000	6.7581E-04					10000	6.8972E-04
Tin	0	0	50	0.0013102	1000	0.0013115					5000	1.33376E-03
Titanium	0	0	100	0.0002222	1000	2.1942E-04					10000	2.1974E-04
Vanadium	0	0	100	0.0000499	1000	0.0000497					10000	4.9455E-05
Zinc	0	0	100	0.0069384	1000	0.0069094					10000	0.0068663
Aluminum	0	0	5000	2.1166E-05	10000	2.0732E-05			500000	2.1022E-05		
Antimony	0	0	100	0.0005812	1000	5.9327E-04					10000	5.8111E-04
Arsenic	0	0	100	0.0003236	1000	3.3851E-04					10000	3.3455E-04
Barium	0	0	50	0.01154	1000	0.010709	5000	0.0110844				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1326001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/21/11 9:26 11/21/11 10:01

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0024308	1000	0.002444					10000	0.0024325
Boron	0	0	50	0.0000134	1000	1.369E-05					5000	1.3524E-05
Cadmium	0	0	100	0.016198	1000	0.016186					10000	0.015505
Calcium	0	0	1100	5.835454E-05	50000	5.7344E-05					10000	
Chromium	0	0	100	0.0000488	1000	4.737E-05					10000	4.7374E-05
Cobalt	0	0	100	0.0051971	1000	0.005035					10000	0.0051054
Copper	0	0	100	0.0000669	1000	6.268E-05					10000	6.2833E-05
Iron	0	0	5100	1.804706E-05	10000	1.7123E-05			500000	1.6655E-05	10000	
Lead	0	0	100	0.0013398	1000	0.0012842					10000	0.0013132
Magnesium	0	0	5100		50000	2.386E-06			500000	2.4462E-06	10000	
Manganese	0	0	100	0.0002678	1000	2.6471E-04	10000	2.5681E-04			10000	
Molybdenum	0	0	100	0.0037108	1000	0.0037594					10000	0.0037524
Nickel	0	0	100	0.0032069	1000	0.0030892					10000	0.0031258
Potassium	0	0	1000	9.09E-06	10000	1.2236E-05						
Selenium	0	0	100	0.0003858	1000	3.8977E-04					10000	0.0003814
Silver	0	0	20	0.00006	500	0.0000559	2000	5.9475E-05				
Sodium	0	0	1000		50000	3.3784E-05						
Strontium	0	0	100	0.001594	1000	0.00159					10000	0.001573
Thallium	0	0	100	0.0006921	1000	6.7581E-04					10000	6.8972E-04
Tin	0	0	50	0.0013102	1000	0.0013115					5000	1.33376E-03
Titanium	0	0	100	0.0002222	1000	2.1942E-04					10000	2.1974E-04
Vanadium	0	0	100	0.0000499	1000	0.0000497					10000	4.9455E-05
Zinc	0	0	100	0.0069384	1000	0.0069094					10000	0.0068663

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1326001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/21/11 9:26 11/21/11 10:01

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	5.4734E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3541E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2775E-05										
Selenium												
Silver												
Sodium	100000	3.4335E-05	500000	3.3756E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1326001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/21/11 9:26 11/21/11 10:01

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.4734E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3541E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2775E-05										
Selenium												
Silver												
Sodium	100000	3.4335E-05	500000	3.3756E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1326001	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	11/21/11 9:26	11/21/11 10:01	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.573E-05	66.67654	3.834967	165.354	0.9999999		0.998	
Antimony	4.38895E-04	66.67937	54.65109	197.4365	0.9999956		0.998	
Arsenic	2.49165E-04	66.71469	21.35886	196.4006	0.999998		0.998	
Barium	8.33335E-03	66.79124	0.93803	146.5251	0.9999467		0.998	
Beryllium	1.826825E-03	66.66744	7.05616	186.3867	0.9999998		0.998	
Boron	1.01535E-05	66.67694	4.153763	150.2596	0.999994		0.998	
Cadmium	1.197225E-02	66.72154	6.807272	188.0478	0.9999822		0.998	
Calcium	4.260814E-05	66.76272	1.960597	159.557	0.999978		0.998	
Chromium	3.5886E-05	66.69305	30.6422	195.3302	0.9999999		0.998	
Cobalt	3.834375E-03	66.68913	1.754913	168.2996	0.9999977		0.998	
Copper	4.810325E-05	66.79034	0.80257	33.64939	0.9999994		0.998	
Iron	1.295627E-05	66.81593	4.16751	167.5074	0.9999995		0.998	
Lead	0.0009843	66.70656	13.52164	194.3368	0.9999946		0.998	
Magnesium	1.796575E-06	66.70054	39.4477	198.4101	0.9999458		0.998	
Manganese	1.9733E-04	66.7079	2.16771	126.6604	0.9999916		0.998	
Molybdenum	2.80565E-03	66.67105	10.88005	195.0639	0.9999999		0.998	
Nickel	2.355475E-03	66.69936	0.762575	115.9448	0.9999981		0.998	
Potassium	8.52525E-06	69.33822	1.254695	97.82645	0.9999975		0.998	
Selenium	2.892425E-04	66.67714	10.01734	194.5276	0.9999958		0.998	
Silver	4.384375E-05	66.79602	3.670327	152.1912	0.9997419		0.998	
Sodium	2.546875E-05	66.67489	3.846287	169.4647	0.9999863		0.998	
Strontium	1.18925E-03	66.67106	5.476225	180.1813	0.9999989		0.998	
Thallium	5.144075E-04	66.68129	2.046173	157.4231	0.9999963		0.998	
Tin	9.88865E-04	66.67563	10.25679	193.4328	0.9999889		0.998	
Titanium	1.6534E-04	66.6709	2.730537	169.1617	0.9999999		0.998	
Vanadium	3.726375E-05	66.66845	3.872612	161.7288	0.9999998		0.998	
Zinc	5.178525E-03	66.66912	16.30435	197.6808	0.9999997		0.998	
Aluminum	1.573E-05	66.67654	3.834967	165.354	0.9999999		0.998	
Antimony	4.38895E-04	66.67937	54.65109	197.4365	0.9999956		0.998	
Arsenic	2.49165E-04	66.71469	21.35886	196.4006	0.999998		0.998	
Barium	8.33335E-03	66.79124	0.93803	146.5251	0.9999467		0.998	
Beryllium	1.826825E-03	66.66744	7.05616	186.3867	0.9999998		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1326001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	11/21/11 9:26	11/21/11 10:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.01535E-05	66.67694	4.153763	150.2596	0.999994		0.998	
Cadmium	1.197225E-02	66.72154	6.807272	188.0478	0.9999822		0.998	
Calcium	4.260814E-05	66.76272	1.960597	159.557	0.999978		0.998	
Chromium	3.5886E-05	66.69305	30.6422	195.3302	0.9999999		0.998	
Cobalt	3.834375E-03	66.68913	1.754913	168.2996	0.9999977		0.998	
Copper	4.810325E-05	66.79034	0.80257	33.64939	0.9999994		0.998	
Iron	1.295627E-05	66.81593	4.16751	167.5074	0.9999995		0.998	
Lead	0.0009843	66.70656	13.52164	194.3368	0.9999946		0.998	
Magnesium	1.796575E-06	66.70054	39.4477	198.4101	0.9999458		0.998	
Manganese	1.9733E-04	66.7079	2.16771	126.6604	0.9999916		0.998	
Molybdenum	2.80565E-03	66.67105	10.88005	195.0639	0.9999999		0.998	
Nickel	2.355475E-03	66.69936	0.762575	115.9448	0.9999981		0.998	
Potassium	8.52525E-06	69.33822	1.254695	97.82645	0.9999975		0.998	
Selenium	2.892425E-04	66.67714	10.01734	194.5276	0.9999958		0.998	
Silver	4.384375E-05	66.79602	3.670327	152.1912	0.9997419		0.998	
Sodium	2.546875E-05	66.67489	3.846287	169.4647	0.9999863		0.998	
Strontium	1.18925E-03	66.67106	5.476225	180.1813	0.9999989		0.998	
Thallium	5.144075E-04	66.68129	2.046173	157.4231	0.9999963		0.998	
Tin	9.88865E-04	66.67563	10.25679	193.4328	0.9999889		0.998	
Titanium	1.6534E-04	66.6709	2.730537	169.1617	0.9999999		0.998	
Vanadium	3.726375E-05	66.66845	3.872612	161.7288	0.9999998		0.998	
Zinc	5.178525E-03	66.66912	16.30435	197.6808	0.9999997		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1333001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/28/11 9:26 11/28/11 10:01

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	1.928E-05	10000	1.8817E-05			500000	1.8733E-05		
Antimony	0	0	100	0.0005515	1000	5.6664E-04					10000	5.6154E-04
Arsenic	0	0	100	0.0002257	1000	2.3019E-04					10000	2.2637E-04
Barium	0	0	50	0.0105572	1000	0.0098803	5000	0.0103494				
Beryllium	0	0	100	0.0026606	1000	0.0026067					10000	0.0025544
Boron	0	0	50	0.000012	1000	1.201E-05					5000	1.1978E-05
Cadmium	0	0	100	0.014895	1000	0.014969					10000	0.014271
Calcium	0	0	1100	5.578182E-05	50000	5.226E-05					10000	
Chromium	0	0	100	0.0000467	1000	4.399E-05					10000	4.4936E-05
Cobalt	0	0	100	0.0050093	1000	0.0048723					10000	0.0049639
Copper	0	0	100	0.0000622	1000	5.785E-05					10000	5.8016E-05
Iron	0	0	5100	1.753922E-05	10000	1.6443E-05			500000	1.583E-05	10000	
Lead	0	0	100	0.0012538	1000	0.0012183					10000	0.001242
Magnesium	0	0	5100		50000	2.2678E-06			500000	2.3652E-06	10000	
Manganese	0	0	100	0.0002541	1000	2.4049E-04	10000	2.4607E-04			10000	
Molybdenum	0	0	100	0.0033527	1000	0.003428					10000	0.0034158
Nickel	0	0	100	0.002924	1000	0.0028275					10000	0.0028445
Potassium	0	0	1000	7.77E-06	10000	1.0941E-05						
Selenium	0	0	100	0.0003586	1000	3.6093E-04					10000	0.0003514
Silver	0	0	20	0.000055	500	4.986E-05	2000	0.0000533				
Sodium	0	0	1000		50000	3.4152E-05						
Strontium	0	0	100	0.001501	1000	0.001451					10000	0.00146
Thallium	0	0	100	0.00065	1000	6.4086E-04					10000	6.4723E-04
Tin	0	0	50	0.001205	1000	0.0012129					5000	1.22742E-03
Titanium	0	0	100	0.0002118	1000	0.0002023					10000	2.0397E-04
Vanadium	0	0	100	0.0000469	1000	4.499E-05					10000	4.5092E-05
Zinc	0	0	100	0.0065745	1000	0.0065485					10000	0.0064965

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1333001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/28/11 9:26 11/28/11 10:01

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	4.9678E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.2491E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.148E-05										
Selenium												
Silver												
Sodium	100000	3.399E-05	500000	3.345E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1333001	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	11/28/11 9:26	11/28/11 10:01	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.42075E-05	66.68816	12.21842	193.0502	0.9999999		0.998	
Antimony	4.1992E-04	66.68349	3.431395	176.5734	0.999999		0.998	
Arsenic	1.70565E-04	66.67675	10.92401	182.7162	0.9999967		0.998	
Barium	7.696725E-03	66.76807	1.277963	148.1329	0.9999079		0.998	
Beryllium	1.955425E-03	66.70353	15.40779	195.1324	0.9999964		0.998	
Boron	8.997E-06	66.66683	5.654082	163.6997	0.9999997		0.998	
Cadmium	1.103375E-02	66.72702	11.80604	194.0748	0.9999777		0.998	
Calcium	3.942995E-05	66.96791	4.677025	153.1187	0.9999743		0.998	
Chromium	3.39065E-05	66.74889	12.20256	182.5987	0.9999947		0.998	
Cobalt	3.711375E-03	66.68434	0.8079975	104.273	0.9999962		0.998	
Copper	4.45165E-05	66.81979	0.9111425	39.59878	0.9999993		0.998	
Iron	1.245305E-05	66.90801	15.10874	195.101	0.9999991		0.998	
Lead	9.28525E-04	66.68562	10.52331	192.7853	0.9999959		0.998	
Magnesium	1.720525E-06	66.73227	109.7002	199.3006	0.9999092		0.998	
Manganese	1.85165E-04	66.73489	3.51222	140.1496	0.999994		0.998	
Molybdenum	2.549125E-03	66.67923	12.56004	193.5402	0.9999998		0.998	
Nickel	0.002149	66.69539	1.019942	117.9284	0.9999993		0.998	
Potassium	7.54775E-06	70.10479	3.419375	113.0712	0.9999973		0.998	
Selenium	2.677325E-04	66.68388	6.79215	178.6819	0.9999939		0.998	
Silver	3.954E-05	66.88561	7.014872	165.0727	0.9996978		0.998	
Sodium	2.5398E-05	66.67714	24.39475	194.9785	0.9999896		0.998	
Strontium	0.001103	66.69585	1.1367	76.20903	0.9999994		0.998	
Thallium	4.845225E-04	66.67135	8.494623	190.7011	0.9999991		0.998	
Tin	9.1133E-04	66.67445	6.032465	184.7913	0.9999946		0.998	
Titanium	1.545175E-04	66.72052	4.890897	180.9809	0.9999988		0.998	
Vanadium	3.42455E-05	66.71587	3.3663	127.902	0.9999997		0.998	
Zinc	4.904875E-03	66.66994	2.610912	177.0597	0.9999995		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1333005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/29/11 9:40 11/29/11 10:15

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	2.1458E-05	10000	2.0978E-05			500000	2.0764E-05		
Antimony	0	0	100	0.0005821	1000	5.9656E-04					10000	0.0005873
Arsenic	0	0	100	0.0003234	1000	3.4426E-04					10000	3.3458E-04
Barium	0	0	50	0.0115808	1000	0.010785	5000	0.0110902				
Beryllium	0	0	100	0.0028152	1000	0.0028298					10000	0.0027131
Boron	0	0	50	0.0000136	1000	1.389E-05					5000	1.3418E-05
Cadmium	0	0	100	0.016792	1000	0.016816					10000	0.015924
Calcium	0	0	1100	6.049091E-05	50000	0.0000586					10000	
Chromium	0	0	100	0.0000503	1000	0.0000496					10000	4.8995E-05
Cobalt	0	0	100	0.0053247	1000	0.005171					10000	0.0052327
Copper	0	0	100	0.0000663	1000	6.376E-05					10000	6.2011E-05
Iron	0	0	5100	1.821765E-05	10000	1.7204E-05			500000	1.64184E-05	10000	
Lead	0	0	100	0.00137	1000	0.0013224					10000	0.0013405
Magnesium	0	0	5100		50000	2.5654E-06			500000	2.5474E-06	10000	
Manganese	0	0	100	0.0002767	1000	0.0002741	10000	2.6396E-04			10000	
Molybdenum	0	0	100	0.0037496	1000	0.0038133					10000	0.003756
Nickel	0	0	100	0.0032813	1000	0.0031676					10000	0.0031661
Potassium	0	0	1000	8.35E-06	10000	1.253E-05						
Selenium	0	0	100	0.0003963	1000	3.9617E-04					10000	3.8474E-04
Silver	0	0	20	0.0000605	500	0.0000572	2000	5.917E-05				
Sodium	0	0	1000		50000	3.725E-05						
Strontium	0	0	100	0.001612	1000	0.001604					10000	0.001596
Thallium	0	0	100	0.0006639	1000	6.6187E-04					10000	6.6208E-04
Tin	0	0	50	0.0013318	1000	0.0013497					5000	1.35022E-03
Titanium	0	0	100	0.0002269	1000	2.2374E-04					10000	2.2002E-04
Vanadium	0	0	100	0.0000513	1000	5.158E-05					10000	5.0285E-05
Zinc	0	0	100	0.0072763	1000	0.0072747					10000	0.0071593

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1333005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/29/11 9:40 11/29/11 10:15

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	5.578E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.4441E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2889E-05										
Selenium												
Silver												
Sodium	100000	3.6935E-05	500000	3.6232E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_035	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1333005		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	11/29/11 9:40	11/29/11 10:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	0.0000158	66.69196	8.591155	188.6155	0.9999999		0.998	
Antimony	4.4149E-04	66.68043	58.26252	198.7184	0.9999974		0.998	
Arsenic	2.5056E-04	66.7534	14.40362	193.0734	0.9999903		0.998	
Barium	0.008364	66.78177	2.90421	183.8114	0.9999639		0.998	
Beryllium	2.089525E-03	66.71294	38.73817	196.5227	0.9999827		0.998	
Boron	1.0227E-05	66.69375	0.9666675	54.86944	0.999951		0.998	
Cadmium	0.012383	66.75083	2.792672	178.4342	0.9999709		0.998	
Calcium	4.371773E-05	66.81353	2.365417	145.9675	0.9999753		0.998	
Chromium	3.722375E-05	66.68206	109.5048	198.5577	0.9999987		0.998	
Cobalt	0.0039321	66.68601	1.387298	160.8825	0.9999983		0.998	
Copper	4.801775E-05	66.76745	1.865528	94.06232	0.9999948		0.998	
Iron	1.296001E-05	66.90845	1832.118	199.9537	0.999999		0.998	
Lead	1.008225E-03	66.69505	8.305897	193.7061	0.9999978		0.998	
Magnesium	1.889225E-06	66.72666	3.70912	184.133	0.9999182		0.998	
Manganese	2.0369E-04	66.72126	3.557803	152.7178	0.9999867		0.998	
Molybdenum	2.829725E-03	66.67435	4.681335	187.617	0.9999977		0.998	
Nickel	2.40375E-03	66.70444	1.975175	184.8214	0.9999999		0.998	
Potassium	8.44225E-06	70.9932	2.0248	137.4978	0.9999998		0.998	
Selenium	2.943025E-04	66.69209	10.44196	186.9228	0.9999926		0.998	
Silver	4.42175E-05	66.73712	10.00165	184.727	0.9999181		0.998	
Sodium	2.760425E-05	66.68449	107.6955	199.0583	0.9999843		0.998	
Strontium	0.001203	66.66888	1.797125	117.4855	0.9999997		0.998	
Thallium	4.969625E-04	66.66692	3.489168	168.3739	0.9999999		0.998	
Tin	1.00793E-03	66.67208	2.42485	175.1743	1		0.998	
Titanium	1.67665E-04	66.68776	4.531037	181.5468	0.9999979		0.998	
Vanadium	3.829125E-05	66.68249	2.734802	142.4751	0.999994		0.998	
Zinc	5.427575E-03	66.67431	4.094042	191.437	0.9999977		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0291

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-01
Sampled:	11/07/11 10:10	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K22009	11/23/11 09:26
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	1K14016	11/14/11 16:33
10-09-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	1K21017	11/21/11 14:01
16887-00-6	Chloride	12.0	0.170	0.330	2.50	1	M Q	E300.0	1K21014	11/21/11 14:15
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K16029	11/16/11 15:40
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K21017	11/21/11 14:01
14808-79-8	Sulfate as SO4	31.1	0.330	1.00	2.50	1	M	E300.0	1K21014	11/21/11 14:15

ANALYSIS DATA SHEET

GW0301

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-03
Sampled:	11/07/11 10:42	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K22009	11/23/11 09:27
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	1K14016	11/14/11 16:34
10-09-3	Alkalinity, Bicarbonate (as CACO3)	171	1.00	1.00	1.00	1		SM2320B	1K21017	11/21/11 14:13
16887-00-6	Chloride	9.36	0.170	0.330	2.50	1	M Q	E300.0	1K21014	11/21/11 14:32
NA	Nitrate/Nitrite as N	0.288	0.250	0.750	1.50	1	J	E353.2	1K16029	11/16/11 15:44
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K21017	11/21/11 14:13
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.50	1	M	E300.0	1K21014	11/21/11 14:32

ANALYSIS DATA SHEET

GW0302

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111091-05
Sampled:	11/07/11 13:13	Received:	11/08/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K22009	11/23/11 09:30
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	1K14016	11/14/11 16:35
10-09-3	Alkalinity, Bicarbonate (as CACO3)	126	1.00	1.00	1.00	1		SM2320B	1K21017	11/21/11 14:25
16887-00-6	Chloride	8.34	0.170	0.330	2.50	1	Q M	E300.0	1K21014	11/21/11 14:50
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K16029	11/16/11 15:45
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K21017	11/21/11 14:25
14808-79-8	Sulfate as SO4	24.5	0.330	1.00	2.50	1	M	E300.0	1K21014	11/21/11 14:50

ANALYSIS DATA SHEET

GW0303

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-01
Sampled:	11/08/11 10:35	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K22009	11/23/11 09:31
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K15031	11/15/11 17:03
10-09-3	Alkalinity, Bicarbonate (as CACO3)	103	1.00	1.00	1.00	1		SM2320B	1K21017	11/21/11 14:55
16887-00-6	Chloride	7.50	0.170	0.330	2.50	1	M Q	E300.0	1K21014	11/21/11 15:07
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K16029	11/16/11 15:47
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K21017	11/21/11 14:55
14808-79-8	Sulfate as SO4	28.9	0.330	1.00	2.50	1	M	E300.0	1K21014	11/21/11 15:07

ANALYSIS DATA SHEET

GW0327

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-03
Sampled:	11/08/11 10:31	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K22009	11/23/11 09:32
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	1K15031	11/15/11 17:04
10-09-3	Alkalinity, Bicarbonate (as CACO3)	150	1.00	1.00	1.00	1		SM2320B	1K21017	11/21/11 15:04
16887-00-6	Chloride	35.5	0.170	0.330	2.50	1	M Q	E300.0	1K21014	11/21/11 15:42
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K16029	11/16/11 15:48
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K21017	11/21/11 15:04
14808-79-8	Sulfate as SO4	55.8	0.660	2.00	5.00	2	M D	E300.0	1K22020	11/22/11 18:44

ANALYSIS DATA SHEET

GW0330

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111093-05
Sampled:	11/07/11 14:52	Received:	11/09/11 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K22009	11/23/11 09:33
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	1K14016	11/14/11 16:36
10-09-3	Alkalinity, Bicarbonate (as CACO3)	140	1.00	1.00	1.00	1		SM2320B	1K21017	11/21/11 14:35
16887-00-6	Chloride	23.7	0.170	0.330	2.50	1	M Q	E300.0	1K21014	11/21/11 15:59
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K16029	11/16/11 15:50
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K21017	11/21/11 14:35
14808-79-8	Sulfate as SO4	49.2	0.330	1.00	2.50	1	M	E300.0	1K21014	11/21/11 15:59

ANALYSIS DATA SHEET

GW0269

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-01
Sampled:	11/08/11 14:26	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K29010	11/30/11 09:32
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K15031	11/15/11 17:05
10-09-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	1K22007	11/22/11 16:47
16887-00-6	Chloride	20.2	0.170	0.330	2.50	1	M Q	E300.0	1K22020	11/22/11 23:22
NA	Nitrate/Nitrite as N	0.267	0.250	0.750	1.50	1	J	E353.2	1K23013	11/23/11 14:37
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K22007	11/22/11 16:47
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.50	1	M	E300.0	1K22020	11/22/11 23:22

ANALYSIS DATA SHEET

GW0318

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-03
Sampled:	11/09/11 11:16	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K29010	11/30/11 09:34
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K16032	11/16/11 17:50
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 14:59
16887-00-6	Chloride	7.78	0.170	0.330	2.50	1	M Q	E300.0	1K22020	11/22/11 23:40
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K23013	11/23/11 14:38
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 14:59
14808-79-8	Sulfate as SO4	29.3	0.330	1.00	2.50	1	M	E300.0	1K22020	11/22/11 23:40

ANALYSIS DATA SHEET

GW0319

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-05
Sampled:	11/09/11 13:53	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K29010	11/30/11 09:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K16032	11/16/11 17:51
10-09-3	Alkalinity, Bicarbonate (as CACO3)	117	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 15:07
16887-00-6	Chloride	13.5	0.170	0.330	2.50	1	M Q	E300.0	1K22020	11/22/11 23:57
NA	Nitrate/Nitrite as N	0.636	0.250	0.750	1.50	1	J	E353.2	1K23013	11/23/11 14:40
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 15:07
14808-79-8	Sulfate as SO4	36.5	0.330	1.00	2.50	1	M	E300.0	1K22020	11/22/11 23:57

ANALYSIS DATA SHEET

GW0328

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-07
Sampled:	11/08/11 14:31	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K29010	11/30/11 09:36
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K15031	11/15/11 17:06
10-09-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	1K22007	11/22/11 17:10
16887-00-6	Chloride	10.4	0.170	0.330	2.50	1	M Q	E300.0	1K22020	11/23/11 00:15
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K23013	11/23/11 14:41
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K22007	11/22/11 17:10
14808-79-8	Sulfate as SO4	33.6	0.330	1.00	2.50	1	M	E300.0	1K22020	11/23/11 00:15

ANALYSIS DATA SHEET

GW0329

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-09
Sampled:	11/08/11 14:31	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K29010	11/30/11 09:37
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K15031	11/15/11 17:07
10-09-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	1K22007	11/22/11 17:20
16887-00-6	Chloride	10.3	0.170	0.330	2.50	1	M Q	E300.0	1K22020	11/23/11 00:32
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K23013	11/23/11 14:43
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K22007	11/22/11 17:20
14808-79-8	Sulfate as SO4	33.4	0.330	1.00	2.50	1	M	E300.0	1K22020	11/23/11 00:32

ANALYSIS DATA SHEET

GW0362

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111104-11
Sampled:	11/09/11 11:00	Received:	11/10/11 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1K29010	11/30/11 09:38
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K16032	11/16/11 17:52
10-09-3	Alkalinity, Bicarbonate (as CACO3)	83.5	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 15:40
16887-00-6	Chloride	31.6	0.170	0.330	2.50	1	M Q	E300.0	1K22020	11/23/11 00:49
NA	Nitrate/Nitrite as N	1.95	0.250	0.750	1.50	1		E353.2	1K23013	11/23/11 14:44
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 15:40
14808-79-8	Sulfate as SO4	69.9	3.30	10.0	25.0	10	M D	E300.0	1K23020	11/24/11 09:21

ANALYSIS DATA SHEET

GW0258

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 11/10/11 10:13
% Solids: 0.00

SDG: Kirtland_035
Project: Kirtland AFB 2011
Laboratory ID: 1111109-01
Received: 11/11/11 08:35

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	1K29010	11/30/11 09:39
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K16032	11/16/11 17:53
10-09-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 15:47
16887-00-6	Chloride	19.9	0.170	0.330	2.50	1	Q M	E300.0	1K22025	11/23/11 03:09
NA	Nitrate/Nitrite as N	0.744	0.250	0.750	1.50	1	J	E353.2	1K23013	11/23/11 14:46
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 15:47
14808-79-8	Sulfate as SO4	46.5	0.330	1.00	2.50	1	M	E300.0	1K22025	11/23/11 03:09

ANALYSIS DATA SHEET

GW0333

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-03
Sampled:	11/10/11 13:08	Received:	11/11/11 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	1K29010	11/30/11 09:40
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	1K16032	11/16/11 17:54
10-09-3	Alkalinity, Bicarbonate (as CACO3)	153	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 15:55
16887-00-6	Chloride	15.8	0.170	0.330	2.50	1	M Q	E300.0	1K22025	11/23/11 03:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1K23013	11/23/11 14:47
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 15:55
14808-79-8	Sulfate as SO4	36.8	0.330	1.00	2.50	1	M	E300.0	1K22025	11/23/11 03:26

ANALYSIS DATA SHEET

GW0361

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-05
Sampled:	11/10/11 10:20	Received:	11/11/11 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	1K29010	11/30/11 09:41
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	1K16032	11/16/11 17:55
10-09-3	Alkalinity, Bicarbonate (as CACO3)	81.5	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 16:04
16887-00-6	Chloride	42.9	0.170	0.330	2.50	1	M Q	E300.0	1K22025	11/23/11 03:43
NA	Nitrate/Nitrite as N	2.78	0.250	0.750	1.50	1		E353.2	1K23013	11/23/11 14:49
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 16:04
14808-79-8	Sulfate as SO4	89.5	3.30	10.0	25.0	10	M D	E300.0	1K23012	11/23/11 23:29

ANALYSIS DATA SHEET

GW0363

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-07
Sampled:	11/09/11 14:22	Received:	11/11/11 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	1K29010	11/30/11 09:42
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	1K16032	11/16/11 17:56
10-09-3	Alkalinity, Bicarbonate (as CACO3)	91.0	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 16:13
16887-00-6	Chloride	15.9	0.170	0.330	2.50	1	M Q	E300.0	1K22025	11/23/11 04:01
NA	Nitrate/Nitrite as N	0.688	0.250	0.750	1.50	1	J	E353.2	1K23013	11/23/11 14:50
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 16:13
14808-79-8	Sulfate as SO4	37.7	0.330	1.00	2.50	1	M	E300.0	1K22025	11/23/11 04:01

ANALYSIS DATA SHEET

GW0364

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1111109-09
Sampled:	11/09/11 14:22	Received:	11/11/11 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	1K29010	11/30/11 09:45
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	1K16032	11/16/11 17:57
10-09-3	Alkalinity, Bicarbonate (as CACO3)	98.8	1.00	1.00	1.00	1		SM2320B	1K23005	11/23/11 16:21
16887-00-6	Chloride	15.8	0.170	0.330	2.50	1	M Q	E300.0	1K22025	11/23/11 04:18
NA	Nitrate/Nitrite as N	0.742	0.250	0.750	1.50	1	J	E353.2	1K30911	11/30/11 13:00
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1K23005	11/23/11 16:21
14808-79-8	Sulfate as SO4	37.5	0.330	1.00	2.50	1	M	E300.0	1K22025	11/23/11 04:18

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_035
Project: Kirtland AFB 2011
Calibration: 1266004
Sequence: 1I26606

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1I26606-ICV1	Chloride	4.800	4.600	95.8	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.10	96.3	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_035
Project: Kirtland AFB 2011
Calibration: 1320006
Sequence: 1K32014

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K32014-ICV1	Nitrate/Nitrite as N	1.200	1.297	108	mg/L	+/- 10.00%
1K32014-CCV1	Nitrate/Nitrite as N	1.200	1.170	97.5	mg/L	+/- 10.00%
1K32014-CCV2	Nitrate/Nitrite as N	1.200	1.191	99.2	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_035
Project: Kirtland AFB 2011
Calibration: 1266004
Sequence: 1K32603

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K32603-CCV1	Chloride	25.00	25.93	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.28	105	mg/L	+/- 10.00%
1K32603-CCV2	Chloride	25.00	26.30	105	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.69	107	mg/L	+/- 10.00%
1K32603-CCV3	Chloride	25.00	26.11	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.38	106	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_035
Project: Kirtland AFB 2011
Calibration: 1327002
Sequence: 1K32706

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K32706-ICV1	Ammonia as N	2.000	2.161	108	mg/L	+/- 10.00%
1K32706-CCV1	Ammonia as N	2.000	2.173	109	mg/L	+/- 10.00%
1K32706-CCV2	Ammonia as N	2.000	2.174	109	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_035
Project: Kirtland AFB 2011
Calibration: 1266004
Sequence: 1K33204

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33204-CCV1	Chloride	25.00	26.10	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.35	105	mg/L	+/- 10.00%
1K33204-CCV2	Chloride	25.00	25.97	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.27	105	mg/L	+/- 10.00%
1K33204-CCV3	Chloride	25.00	25.94	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.05	104	mg/L	+/- 10.00%
1K33204-CCV4	Chloride	25.00	25.92	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.09	104	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_035
Project: Kirtland AFB 2011
Calibration: 1332003
Sequence: 1K33213

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33213-ICV1	Nitrate/Nitrite as N	1.200	1.261	105	mg/L	+/- 10.00%
1K33213-CCV1	Nitrate/Nitrite as N	1.200	1.245	104	mg/L	+/- 10.00%
1K33213-CCV2	Nitrate/Nitrite as N	1.200	1.270	106	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_035
Project: Kirtland AFB 2011
Calibration: 1334003
Sequence: 1K33406

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33406-ICV1	Ammonia as N	2.000	2.158	108	mg/L	+/- 10.00%
1K33406-CCV1	Ammonia as N	2.000	2.173	109	mg/L	+/- 10.00%
1K33406-CCV2	Ammonia as N	2.000	2.143	107	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_035
Project: Kirtland AFB 2011
Calibration: 1334005
Sequence: 1K33414

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33414-ICV1	Nitrate/Nitrite as N	1.200	1.245	104	mg/L	+/- 10.00%
1K33414-CCV1	Nitrate/Nitrite as N	1.200	1.192	99.3	mg/L	+/- 10.00%
1K33414-CCV2	Nitrate/Nitrite as N	1.200	1.274	106	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_035
Project: Kirtland AFB 2011
Calibration: 1266004
Sequence: 1K33416

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1K33416-CCV1	Sulfate as SO4	25.00	26.75	107	mg/L	+/- 10.00%
1K33416-CCV2	Sulfate as SO4	25.00	26.23	105	mg/L	+/- 10.00%
1K33416-CCV3	Sulfate as SO4	25.00	26.26	105	mg/L	+/- 10.00%
1K33416-CCV4	Sulfate as SO4	25.00	26.12	104	mg/L	+/- 10.00%
1K33416-CCV5	Sulfate as SO4	25.00	26.52	106	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1266004

Sequence: 1K32603

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K32603-CRL2	Chloride	2.500	2.830	113	mg/L	75 - 125
	Sulfate as SO4	2.500	2.920	117	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1266004

Sequence: 1K33204

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K33204-CRL2	Chloride	2.500	2.836	113	mg/L	75 - 125
	Sulfate as SO4	2.500	2.833	113	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1266004

Sequence: 1K33416

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1K33416-CRL2	Sulfate as SO4	2.500	2.873	115	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K14016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K14016-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K15031

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K15031-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K16029

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K16029-BLK1	Nitrate/Nitrite as N	-0.0631	0.0500	0.300	mg/L	J	E353.2

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K16032

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K16032-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K21014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K21014-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_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K21017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K21017-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K22007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K22007-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K22009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K22009-BLK1	Ammonia as N	0.0648	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K22020

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K22020-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K22025

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K22025-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_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K23005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K23005-BLK1	Alkalinity, Total (as CACO3)	-0.394	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K23012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K23012-BLK1	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K23013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K23013-BLK1	Nitrate/Nitrite as N	-0.0414	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K23020

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K23020-BLK1	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K29010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K29010-BLK1	Ammonia as N	0.0312	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1K30911

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K30911-BLK1	Nitrate/Nitrite as N	-0.0398	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1I26606
Calibration: 1266004
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1I26606-ICB1	Chloride	0.3150	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K32014
Calibration: 1320006
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K32014-ICB1	Nitrate/Nitrite as N	-0.05717	0.0500	0.300	mg/L	J	E353.2
1K32014-CCB1	Nitrate/Nitrite as N	-0.0214	0.0500	0.300	mg/L	U	E353.2
1K32014-CCB2	Nitrate/Nitrite as N	-0.0266	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K32603
Calibration: 1266004
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K32603-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
1K32603-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
1K32603-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K32706
Calibration: 1327002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K32706-ICB1	Ammonia as N	-0.02970	0.110	0.300	mg/L	U	SM4500NH3BG
1K32706-CCB1	Ammonia as N	-0.0178	0.110	0.300	mg/L	U	SM4500NH3BG
1K32706-CCB2	Ammonia as N	-0.0138	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K33204
Calibration: 1266004
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33204-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
1K33204-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
1K33204-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1K33204-CCB4	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K33213
Calibration: 1332003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33213-ICB1	Nitrate/Nitrite as N	-0.04245	0.0500	0.300	mg/L	U	E353.2
1K33213-CCB1	Nitrate/Nitrite as N	-0.0338	0.0500	0.300	mg/L	U	E353.2
1K33213-CCB2	Nitrate/Nitrite as N	-0.0427	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K33406
Calibration: 1334003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33406-ICB1	Ammonia as N	-0.005404	0.110	0.300	mg/L	U	SM4500NH3BG
1K33406-CCB1	Ammonia as N	-0.00938	0.110	0.300	mg/L	U	SM4500NH3BG
1K33406-CCB2	Ammonia as N	-0.00786	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K33414
Calibration: 1334005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33414-ICB1	Nitrate/Nitrite as N	-0.03233	0.0500	0.300	mg/L	U	E353.2
1K33414-CCB1	Nitrate/Nitrite as N	-0.0415	0.0500	0.300	mg/L	U	E353.2
1K33414-CCB2	Nitrate/Nitrite as N	-0.0190	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_035
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1K33416
Calibration: 1266004
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1K33416-CCB1	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1K33416-CCB2	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1K33416-CCB3	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1K33416-CCB4	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1K33416-CCB5	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0258

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1K23005

% Solids:

Source Sample Name: **1111109-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	102.0	212.2	99.2		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	213.1	100	0.412		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0363

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1K23013

% Solids:

Source Sample Name: **1111109-07**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	0.6885	3.470	111		80 - 120

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	3.510	113	1.16		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0269

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1K29010

% Solids:

Source Sample Name: **1111104-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	4.776	95.5		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0364

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1K30911

% Solids:

Source Sample Name: **1111109-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	0.7420	3.479	109		80 - 120

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	3.460	109	0.533		20	80 - 120

GW0318

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1K29010
Preparation: pNone
Source Sample Name: GW0318

SDG: Kirtland_035
Project: Kirtland AFB 2011
Laboratory ID: 1K29010-DUP1
Lab Source ID: 1111104-03
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K14016	Laboratory ID:	1K14016-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1160	1234	106	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1160	1217	105	1.36	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K15031	Laboratory ID:	1K15031-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1160	1217	105	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1160	1234	106	1.36	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16029	Laboratory ID:	1K16029-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	32.00	30.38	94.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K16032	Laboratory ID:	1K16032-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1160	1217	105	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1160	1234	106	1.36	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K21014	Laboratory ID:	1K21014-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	**4.800**	**5.376**	**112**	**90 - 110**
Sulfate as SO4	24.00	25.06	104	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K21017	Laboratory ID:	1K21017-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	1030	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K22007	Laboratory ID:	1K22007-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	1020	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K22009	Laboratory ID:	1K22009-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	4.794	95.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K22020	Laboratory ID:	1K22020-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	**4.800**	**5.351**	**111**	**90 - 110**
Sulfate as SO4	24.00	25.18	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K22025	Laboratory ID:	1K22025-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	**4.800**	**5.374**	**112**	**90 - 110**
Sulfate as SO4	24.00	24.71	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K23005	Laboratory ID:	1K23005-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	984.5	98.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K23012	Laboratory ID:	1K23012-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfate as SO4	24.00	25.30	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K23013	Laboratory ID:	1K23013-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	32.00	32.08	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K23020	Laboratory ID:	1K23020-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfate as SO4	24.00	25.29	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K29010	Laboratory ID:	1K29010-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	4.969	99.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1K30911	Laboratory ID:	1K30911-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	32.00	32.08	100	80 - 120

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K14016 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/14/11 16:08	295.00	200.00
GW0301	1111091-03	11/14/11 16:08	295.00	200.00
GW0302	1111091-05	11/14/11 16:08	295.00	200.00
GW0330	1111093-05	11/14/11 16:08	295.00	200.00
Blank	1K14016-BLK1	11/14/11 16:08	250.00	200.00
LCS	1K14016-BS1	11/14/11 16:08	3.00	250.00
LCS Dup	1K14016-BSD1	11/14/11 16:08	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K15031 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0303	1111093-01	11/15/11 15:08	270.00	200.00
GW0327	1111093-03	11/15/11 15:08	290.00	200.00
GW0269	1111104-01	11/15/11 15:08	270.00	200.00
GW0328	1111104-07	11/15/11 15:08	270.00	200.00
GW0329	1111104-09	11/15/11 15:08	270.00	200.00
Blank	1K15031-BLK1	11/15/11 15:08	250.00	200.00
LCS	1K15031-BS1	11/15/11 15:08	3.00	250.00
LCS Dup	1K15031-BSD1	11/15/11 15:08	3.00	250.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16029 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/16/11 13:15	4.00	20.00
GW0301	1111091-03	11/16/11 13:15	4.00	20.00
GW0302	1111091-05	11/16/11 13:15	4.00	20.00
GW0303	1111093-01	11/16/11 13:15	4.00	20.00
GW0327	1111093-03	11/16/11 13:15	4.00	20.00
GW0330	1111093-05	11/16/11 13:15	4.00	20.00
Blank	1K16029-BLK1	11/16/11 13:15	20.00	20.00
LCS	1K16029-BS1	11/16/11 13:15	1.00	20.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K16032 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0318	1111104-03	11/16/11 16:41	270.00	200.00
GW0319	1111104-05	11/16/11 16:41	270.00	200.00
GW0362	1111104-11	11/16/11 16:41	270.00	200.00
GW0258	1111109-01	11/16/11 16:41	270.00	200.00
GW0333	1111109-03	11/16/11 16:41	270.00	200.00
GW0361	1111109-05	11/16/11 16:41	290.00	200.00
GW0363	1111109-07	11/16/11 16:41	290.00	200.00
GW0364	1111109-09	11/16/11 16:41	290.00	200.00
Blank	1K16032-BLK1	11/16/11 16:41	250.00	200.00
LCS	1K16032-BS1	11/16/11 16:41	3.00	250.00
LCS Dup	1K16032-BSD1	11/16/11 16:41	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K21014 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/21/11 10:33	5.00	5.00
GW0301	1111091-03	11/21/11 10:33	5.00	5.00
GW0302	1111091-05	11/21/11 10:33	5.00	5.00
GW0303	1111093-01	11/21/11 10:33	5.00	5.00
GW0327	1111093-03	11/21/11 10:33	5.00	5.00
GW0330	1111093-05	11/21/11 10:33	5.00	5.00
Blank	1K21014-BLK1	11/21/11 10:33	5.00	5.00
LCS	1K21014-BS1	11/21/11 10:33	5.00	5.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K21017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/21/11 11:42	25.00	25.00
GW0301	1111091-03	11/21/11 11:42	25.00	25.00
GW0302	1111091-05	11/21/11 11:42	25.00	25.00
GW0303	1111093-01	11/21/11 11:42	25.00	25.00
GW0327	1111093-03	11/21/11 11:42	25.00	25.00
GW0330	1111093-05	11/21/11 11:42	25.00	25.00
Blank	1K21017-BLK1	11/21/11 11:42	25.00	25.00
LCS	1K21017-BS1	11/21/11 11:42	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K22007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/22/11 07:41	25.00	25.00
GW0328	1111104-07	11/22/11 07:41	25.00	25.00
GW0329	1111104-09	11/22/11 07:41	25.00	25.00
Blank	1K22007-BLK1	11/22/11 07:41	25.00	25.00
LCS	1K22007-BS1	11/22/11 07:41	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K22009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0291	1111091-01	11/22/11 07:46	100.00	100.00
GW0301	1111091-03	11/22/11 07:46	100.00	100.00
GW0302	1111091-05	11/22/11 07:46	100.00	100.00
GW0303	1111093-01	11/22/11 07:46	100.00	100.00
GW0327	1111093-03	11/22/11 07:46	100.00	100.00
GW0330	1111093-05	11/22/11 07:46	100.00	100.00
Blank	1K22009-BLK1	11/22/11 07:46	100.00	100.00
LCS	1K22009-BS1	11/22/11 07:46	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K22020 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0327	1111093-03RE1	11/22/11 10:35	5.00	5.00
GW0269	1111104-01	11/22/11 10:35	5.00	5.00
GW0318	1111104-03	11/22/11 10:35	5.00	5.00
GW0319	1111104-05	11/22/11 10:35	5.00	5.00
GW0328	1111104-07	11/22/11 10:35	5.00	5.00
GW0329	1111104-09	11/22/11 10:35	5.00	5.00
GW0362	1111104-11	11/22/11 10:35	5.00	5.00
Blank	1K22020-BLK1	11/22/11 10:35	5.00	5.00
LCS	1K22020-BS1	11/22/11 10:35	5.00	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K22025 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0258	1111109-01	11/22/11 13:02	5.00	5.00
GW0333	1111109-03	11/22/11 13:02	5.00	5.00
GW0361	1111109-05	11/22/11 13:02	5.00	5.00
GW0363	1111109-07	11/22/11 13:02	5.00	5.00
GW0364	1111109-09	11/22/11 13:02	5.00	5.00
Blank	1K22025-BLK1	11/22/11 13:02	5.00	5.00
LCS	1K22025-BS1	11/22/11 13:02	5.00	5.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K23005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0318	1111104-03	11/23/11 07:47	25.00	25.00
GW0319	1111104-05	11/23/11 07:47	25.00	25.00
GW0362	1111104-11	11/23/11 07:47	25.00	25.00
GW0258	1111109-01	11/23/11 07:47	25.00	25.00
GW0333	1111109-03	11/23/11 07:47	25.00	25.00
GW0361	1111109-05	11/23/11 07:47	25.00	25.00
GW0363	1111109-07	11/23/11 07:47	25.00	25.00
GW0364	1111109-09	11/23/11 07:47	25.00	25.00
Blank	1K23005-BLK1	11/23/11 07:47	25.00	25.00
LCS	1K23005-BS1	11/23/11 07:47	5.00	25.00
GW0258	1K23005-MS1	11/23/11 07:47	22.50	25.00
GW0258	1K23005-MSD1	11/23/11 07:47	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K23012 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0361	1111109-05RE1	11/22/11 13:02	5.00	5.00
Blank	1K23012-BLK1	11/23/11 15:50	5.00	5.00
LCS	1K23012-BS1	11/23/11 15:50	5.00	5.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K23013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/23/11 10:19	4.00	20.00
GW0318	1111104-03	11/23/11 10:19	4.00	20.00
GW0319	1111104-05	11/23/11 10:19	4.00	20.00
GW0328	1111104-07	11/23/11 10:19	4.00	20.00
GW0329	1111104-09	11/23/11 10:19	4.00	20.00
GW0362	1111104-11	11/23/11 10:19	4.00	20.00
GW0258	1111109-01	11/23/11 10:19	4.00	20.00
GW0333	1111109-03	11/23/11 10:19	4.00	20.00
GW0361	1111109-05	11/23/11 10:19	4.00	20.00
GW0363	1111109-07	11/23/11 10:19	4.00	20.00
Blank	1K23013-BLK1	11/23/11 10:19	20.00	20.00
LCS	1K23013-BS1	11/23/11 10:19	1.00	20.00
GW0363	1K23013-MS1	11/23/11 10:19	4.00	20.00
GW0363	1K23013-MSD1	11/23/11 10:19	4.00	20.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K23020 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0362	1111104-11RE1	11/22/11 10:35	5.00	5.00
Blank	1K23020-BLK1	11/23/11 15:49	5.00	5.00
LCS	1K23020-BS1	11/23/11 15:49	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K29010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0269	1111104-01	11/29/11 10:29	100.00	100.00
GW0318	1111104-03	11/29/11 10:29	100.00	100.00
GW0319	1111104-05	11/29/11 10:29	100.00	100.00
GW0328	1111104-07	11/29/11 10:29	100.00	100.00
GW0329	1111104-09	11/29/11 10:29	100.00	100.00
GW0362	1111104-11	11/29/11 10:29	100.00	100.00
GW0258	1111109-01	11/29/11 10:29	100.00	100.00
GW0333	1111109-03	11/29/11 10:29	100.00	100.00
GW0361	1111109-05	11/29/11 10:29	100.00	100.00
GW0363	1111109-07	11/29/11 10:29	100.00	100.00
GW0364	1111109-09	11/29/11 10:29	100.00	100.00
Blank	1K29010-BLK1	11/29/11 10:29	100.00	100.00
LCS	1K29010-BS1	11/29/11 10:29	100.00	100.00
GW0318	1K29010-DUP1	11/29/11 10:29	100.00	100.00
GW0269	1K29010-MS1	11/29/11 10:29	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_035

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

Batch: 1K30911 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0364	1111109-09	11/30/11 09:54	4.00	20.00
Blank	1K30911-BLK1	11/30/11 09:54	20.00	20.00
LCS	1K30911-BS1	11/30/11 09:54	1.00	20.00
GW0364	1K30911-MS1	11/30/11 09:54	4.00	20.00
GW0364	1K30911-MSD1	11/30/11 09:54	4.00	20.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1K21017-BS1	112111-003	11/21/11 13:44
Blank	1K21017-BLK1	112111-004	11/21/11 13:55
LCS	1K22007-BS1	112211-003	11/22/11 16:30
Blank	1K22007-BLK1	112211-004	11/22/11 16:35
LCS	1K23005-BS1	112311-003	11/23/11 14:47
Blank	1K23005-BLK1	112311-004	11/23/11 14:56
GW0258	1K23005-MS1	112311-013	11/23/11 16:30
GW0258	1K23005-MSD1	112311-014	11/23/11 16:36

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_035

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1K14016-BS1	111411-002	11/14/11 16:30
LCS Dup	1K14016-BSD1	111411-003	11/14/11 16:31
Blank	1K14016-BLK1	111411-004	11/14/11 16:32
LCS	1K15031-BS1	111511-002	11/15/11 17:00
LCS Dup	1K15031-BSD1	111511-003	11/15/11 17:01
Blank	1K15031-BLK1	111511-004	11/15/11 17:02
Blank	1K16032-BLK1	111611-004	11/16/11 17:47
LCS	1K16032-BS1	111611-002	11/16/11 17:48
LCS Dup	1K16032-BSD1	111611-003	11/16/11 17:49

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1I26606	Instrument:	WC-IC
Calibration:	1266004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1I26606-CAL1	091511-001	09/15/11 21:48
Cal Standard	1I26606-CAL2	091511-002	09/15/11 22:05
Cal Standard	1I26606-CAL3	091511-003	09/15/11 22:23
Cal Standard	1I26606-CAL4	091511-004	09/15/11 22:40
Cal Standard	1I26606-CAL5	091511-005	09/15/11 22:58
Cal Standard	1I26606-CAL6	091511-006	09/15/11 23:15
Cal Standard	1I26606-CAL7	091511-007	09/15/11 23:33
Cal Standard	1I26606-CAL8	091511-008	09/15/11 23:50
Initial Cal Check	1I26606-ICV1	091511-009	09/16/11 00:07
Initial Cal Blank	1I26606-ICB1	091511-010	09/16/11 00:25

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32014	Instrument:	WC-Lachat
Calibration:	1320006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K32014-CAL1	M_11-16-2011_03-04-18PM-0	11/16/11 15:05
Cal Standard	1K32014-CAL2	M_11-16-2011_03-04-18PM-0	11/16/11 15:06
Cal Standard	1K32014-CAL3	M_11-16-2011_03-04-18PM-0	11/16/11 15:08
Cal Standard	1K32014-CAL4	M_11-16-2011_03-04-18PM-0	11/16/11 15:09
Cal Standard	1K32014-CAL5	M_11-16-2011_03-04-18PM-0	11/16/11 15:11
Cal Standard	1K32014-CAL6	M_11-16-2011_03-04-18PM-0	11/16/11 15:12
Cal Standard	1K32014-CAL7	M_11-16-2011_03-04-18PM-0	11/16/11 15:14
Cal Standard	1K32014-CAL8	M_11-16-2011_03-04-18PM-0	11/16/11 15:15
Initial Cal Check	1K32014-ICV1	M_11-16-2011_03-04-18PM-0	11/16/11 15:16
Initial Cal Blank	1K32014-ICB1	M_11-16-2011_03-04-18PM-0	11/16/11 15:18
Blank	1K16029-BLK1	M_11-16-2011_03-04-18PM-0	11/16/11 15:21
GW0291	1111091-01	M_11-16-2011_03-04-18PM-0	11/16/11 15:40
Calibration Check	1K32014-CCV1	M_11-16-2011_03-04-18PM-0	11/16/11 15:41
Calibration Blank	1K32014-CCB1	M_11-16-2011_03-04-18PM-0	11/16/11 15:43
GW0301	1111091-03	M_11-16-2011_03-04-18PM-0	11/16/11 15:44
GW0302	1111091-05	M_11-16-2011_03-04-18PM-0	11/16/11 15:45
GW0303	1111093-01	M_11-16-2011_03-04-18PM-0	11/16/11 15:47
GW0327	1111093-03	M_11-16-2011_03-04-18PM-0	11/16/11 15:48
GW0330	1111093-05	M_11-16-2011_03-04-18PM-0	11/16/11 15:50
LCS	1K16029-BS1	M_11-16-2011_03-04-18PM-0	11/16/11 15:53
Calibration Check	1K32014-CCV2	M_11-16-2011_03-04-18PM-0	11/16/11 15:54
Calibration Blank	1K32014-CCB2	M_11-16-2011_03-04-18PM-0	11/16/11 15:56

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32603	Instrument:	WC-IC
Calibration:	1266004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K32603-CCV1	112111-003	11/21/11 11:38
Calibration Blank	1K32603-CCB1	112111-004	11/21/11 11:56
Instrument RL Check	1K32603-CRL2	112111-006	11/21/11 12:30
Blank	1K21014-BLK1	112111-008	11/21/11 13:05
Calibration Check	1K32603-CCV2	112111-010	11/21/11 13:40
Calibration Blank	1K32603-CCB2	112111-011	11/21/11 13:57
GW0291	1111091-01	112111-012	11/21/11 14:15
GW0301	1111091-03	112111-013	11/21/11 14:32
GW0302	1111091-05	112111-014	11/21/11 14:50
GW0303	1111093-01	112111-015	11/21/11 15:07
GW0327	1111093-03	112111-017	11/21/11 15:42
GW0330	1111093-05	112111-018	11/21/11 15:59
LCS	1K21014-BS1	112111-019	11/21/11 16:17
Calibration Check	1K32603-CCV3	112111-025	11/21/11 18:01
Calibration Blank	1K32603-CCB3	112111-026	11/21/11 18:19

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K32706	Instrument:	WC-Lachat
Calibration:	1327002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K32706-CAL1	M_11-23-2011_09-04-13AM-0	11/23/11 09:05
Cal Standard	1K32706-CAL2	M_11-23-2011_09-04-13AM-0	11/23/11 09:06
Cal Standard	1K32706-CAL3	M_11-23-2011_09-04-13AM-0	11/23/11 09:07
Cal Standard	1K32706-CAL4	M_11-23-2011_09-04-13AM-0	11/23/11 09:08
Cal Standard	1K32706-CAL5	M_11-23-2011_09-04-13AM-0	11/23/11 09:09
Cal Standard	1K32706-CAL6	M_11-23-2011_09-04-13AM-0	11/23/11 09:10
Cal Standard	1K32706-CAL7	M_11-23-2011_09-04-13AM-0	11/23/11 09:11
Cal Standard	1K32706-CAL8	M_11-23-2011_09-04-13AM-0	11/23/11 09:12
Initial Cal Check	1K32706-ICV1	M_11-23-2011_09-04-13AM-0	11/23/11 09:13
Initial Cal Blank	1K32706-ICB1	M_11-23-2011_09-04-13AM-0	11/23/11 09:14
LCS	1K22009-BS1	M_11-23-2011_09-04-13AM-0	11/23/11 09:15
Blank	1K22009-BLK1	M_11-23-2011_09-04-13AM-0	11/23/11 09:15
GW0291	1111091-01	M_11-23-2011_09-04-13AM-0	11/23/11 09:26
GW0301	1111091-03	M_11-23-2011_09-04-13AM-0	11/23/11 09:27
Calibration Check	1K32706-CCV1	M_11-23-2011_09-04-13AM-0	11/23/11 09:28
Calibration Blank	1K32706-CCB1	M_11-23-2011_09-04-13AM-0	11/23/11 09:29
GW0302	1111091-05	M_11-23-2011_09-04-13AM-0	11/23/11 09:30
GW0303	1111093-01	M_11-23-2011_09-04-13AM-0	11/23/11 09:31
GW0327	1111093-03	M_11-23-2011_09-04-13AM-0	11/23/11 09:32
GW0330	1111093-05	M_11-23-2011_09-04-13AM-0	11/23/11 09:33
Calibration Check	1K32706-CCV2	M_11-23-2011_09-04-13AM-0	11/23/11 09:39
Calibration Blank	1K32706-CCB2	M_11-23-2011_09-04-13AM-0	11/23/11 09:40

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33204	Instrument:	WC-IC
Calibration:	1266004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K33204-CCV1	112211-003	11/22/11 16:24
Calibration Blank	1K33204-CCB1	112211-004	11/22/11 16:42
Instrument RL Check	1K33204-CRL2	112211-006	11/22/11 17:17
LCS	1K22020-BS1	112211-007	11/22/11 17:34
Blank	1K22020-BLK1	112211-008	11/22/11 17:51
GW0327	1111093-03RE1	112211-011	11/22/11 18:44
Calibration Check	1K33204-CCV2	112211-022	11/22/11 21:55
Calibration Blank	1K33204-CCB2	112211-023	11/22/11 22:13
GW0269	1111104-01	112211-027	11/22/11 23:22
GW0318	1111104-03	112211-028	11/22/11 23:40
GW0319	1111104-05	112211-029	11/22/11 23:57
GW0328	1111104-07	112211-030	11/23/11 00:15
GW0329	1111104-09	112211-031	11/23/11 00:32
GW0362	1111104-11	112211-032	11/23/11 00:49
Calibration Check	1K33204-CCV3	112211-036	11/23/11 01:59
Calibration Blank	1K33204-CCB3	112211-037	11/23/11 02:16
LCS	1K22025-BS1	112211-038	11/23/11 02:34
Blank	1K22025-BLK1	112211-039	11/23/11 02:51
GW0258	1111109-01	112211-040	11/23/11 03:09
GW0333	1111109-03	112211-041	11/23/11 03:26
GW0361	1111109-05	112211-042	11/23/11 03:43
GW0363	1111109-07	112211-043	11/23/11 04:01
GW0364	1111109-09	112211-044	11/23/11 04:18
Calibration Check	1K33204-CCV4	112211-053	11/23/11 06:55
Calibration Blank	1K33204-CCB4	112211-054	11/23/11 07:12

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33213	Instrument:	WC-Lachat
Calibration:	1332003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K33213-CAL1	M_11-23-2011_01-58-39PM-0	11/23/11 13:59
Cal Standard	1K33213-CAL2	M_11-23-2011_01-58-39PM-0	11/23/11 14:01
Cal Standard	1K33213-CAL3	M_11-23-2011_01-58-39PM-0	11/23/11 14:02
Cal Standard	1K33213-CAL4	M_11-23-2011_01-58-39PM-0	11/23/11 14:04
Cal Standard	1K33213-CAL5	M_11-23-2011_01-58-39PM-0	11/23/11 14:05
Cal Standard	1K33213-CAL6	M_11-23-2011_01-58-39PM-0	11/23/11 14:06
Cal Standard	1K33213-CAL7	M_11-23-2011_01-58-39PM-0	11/23/11 14:08
Cal Standard	1K33213-CAL8	M_11-23-2011_01-58-39PM-0	11/23/11 14:09
Initial Cal Check	1K33213-ICV1	M_11-23-2011_01-58-39PM-0	11/23/11 14:11
Initial Cal Blank	1K33213-ICB1	M_11-23-2011_01-58-39PM-0	11/23/11 14:12
Blank	1K23013-BLK1	M_11-23-2011_01-58-39PM-0	11/23/11 14:15
LCS	1K23013-BS1	M_11-23-2011_01-58-39PM-0	11/23/11 14:17
Calibration Check	1K33213-CCV1	M_11-23-2011_01-58-39PM-0	11/23/11 14:34
Calibration Blank	1K33213-CCB1	M_11-23-2011_01-58-39PM-0	11/23/11 14:35
GW0269	1111104-01	M_11-23-2011_01-58-39PM-0	11/23/11 14:37
GW0318	1111104-03	M_11-23-2011_01-58-39PM-0	11/23/11 14:38
GW0319	1111104-05	M_11-23-2011_01-58-39PM-0	11/23/11 14:40
GW0328	1111104-07	M_11-23-2011_01-58-39PM-0	11/23/11 14:41
GW0329	1111104-09	M_11-23-2011_01-58-39PM-0	11/23/11 14:43
GW0362	1111104-11	M_11-23-2011_01-58-39PM-0	11/23/11 14:44
GW0258	1111109-01	M_11-23-2011_01-58-39PM-0	11/23/11 14:46
GW0333	1111109-03	M_11-23-2011_01-58-39PM-0	11/23/11 14:47
GW0361	1111109-05	M_11-23-2011_01-58-39PM-0	11/23/11 14:49
GW0363	1111109-07	M_11-23-2011_01-58-39PM-0	11/23/11 14:50
GW0363	1K23013-MS1	M_11-23-2011_01-58-39PM-0	11/23/11 14:51
GW0363	1K23013-MSD1	M_11-23-2011_01-58-39PM-0	11/23/11 14:53
Calibration Check	1K33213-CCV2	M_11-23-2011_01-58-39PM-0	11/23/11 14:56
Calibration Blank	1K33213-CCB2	M_11-23-2011_01-58-39PM-0	11/23/11 14:57

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33406	Instrument:	WC-Lachat
Calibration:	1334003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K33406-CAL1	M_11-30-2011_09-19-18AM-0	11/30/11 09:20
Cal Standard	1K33406-CAL2	M_11-30-2011_09-19-18AM-0	11/30/11 09:21
Cal Standard	1K33406-CAL3	M_11-30-2011_09-19-18AM-0	11/30/11 09:22
Cal Standard	1K33406-CAL4	M_11-30-2011_09-19-18AM-0	11/30/11 09:23
Cal Standard	1K33406-CAL5	M_11-30-2011_09-19-18AM-0	11/30/11 09:24
Cal Standard	1K33406-CAL6	M_11-30-2011_09-19-18AM-0	11/30/11 09:25
Cal Standard	1K33406-CAL7	M_11-30-2011_09-19-18AM-0	11/30/11 09:26
Cal Standard	1K33406-CAL8	M_11-30-2011_09-19-18AM-0	11/30/11 09:27
Initial Cal Check	1K33406-ICV1	M_11-30-2011_09-19-18AM-0	11/30/11 09:28
Initial Cal Blank	1K33406-ICB1	M_11-30-2011_09-19-18AM-0	11/30/11 09:29
Blank	1K29010-BLK1	M_11-30-2011_09-19-18AM-0	11/30/11 09:30
LCS	1K29010-BS1	M_11-30-2011_09-19-18AM-0	11/30/11 09:31
GW0269	1111104-01	M_11-30-2011_09-19-18AM-0	11/30/11 09:32
GW0269	1K29010-MS1	M_11-30-2011_09-19-18AM-0	11/30/11 09:33
GW0318	1K29010-DUP1	M_11-30-2011_09-19-18AM-0	11/30/11 09:34
GW0318	1111104-03	M_11-30-2011_09-19-18AM-0	11/30/11 09:34
GW0319	1111104-05	M_11-30-2011_09-19-18AM-0	11/30/11 09:35
GW0328	1111104-07	M_11-30-2011_09-19-18AM-0	11/30/11 09:36
GW0329	1111104-09	M_11-30-2011_09-19-18AM-0	11/30/11 09:37
GW0362	1111104-11	M_11-30-2011_09-19-18AM-0	11/30/11 09:38
GW0258	1111109-01	M_11-30-2011_09-19-18AM-0	11/30/11 09:39
GW0333	1111109-03	M_11-30-2011_09-19-18AM-0	11/30/11 09:40
GW0361	1111109-05	M_11-30-2011_09-19-18AM-0	11/30/11 09:41
GW0363	1111109-07	M_11-30-2011_09-19-18AM-0	11/30/11 09:42
Calibration Check	1K33406-CCV1	M_11-30-2011_09-19-18AM-0	11/30/11 09:43
Calibration Blank	1K33406-CCB1	M_11-30-2011_09-19-18AM-0	11/30/11 09:44
GW0364	1111109-09	M_11-30-2011_09-19-18AM-0	11/30/11 09:45
Calibration Check	1K33406-CCV2	M_11-30-2011_09-19-18AM-0	11/30/11 09:55
Calibration Blank	1K33406-CCB2	M_11-30-2011_09-19-18AM-0	11/30/11 09:55

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33414	Instrument:	WC-Lachat
Calibration:	1334005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1K33414-CAL1	M_11-30-2011_12-40-16PM-0	11/30/11 12:41
Cal Standard	1K33414-CAL2	M_11-30-2011_12-40-16PM-0	11/30/11 12:42
Cal Standard	1K33414-CAL3	M_11-30-2011_12-40-16PM-0	11/30/11 12:44
Cal Standard	1K33414-CAL4	M_11-30-2011_12-40-16PM-0	11/30/11 12:45
Cal Standard	1K33414-CAL5	M_11-30-2011_12-40-16PM-0	11/30/11 12:47
Cal Standard	1K33414-CAL6	M_11-30-2011_12-40-16PM-0	11/30/11 12:48
Cal Standard	1K33414-CAL7	M_11-30-2011_12-40-16PM-0	11/30/11 12:49
Cal Standard	1K33414-CAL8	M_11-30-2011_12-40-16PM-0	11/30/11 12:51
Initial Cal Check	1K33414-ICV1	M_11-30-2011_12-40-16PM-0	11/30/11 12:52
Initial Cal Blank	1K33414-ICB1	M_11-30-2011_12-40-16PM-0	11/30/11 12:54
Blank	1K30911-BLK1	M_11-30-2011_12-40-16PM-0	11/30/11 12:57
LCS	1K30911-BS1	M_11-30-2011_12-40-16PM-0	11/30/11 12:58
GW0364	1111109-09	M_11-30-2011_12-40-16PM-0	11/30/11 13:00
Calibration Check	1K33414-CCV1	M_11-30-2011_12-40-16PM-0	11/30/11 13:18
Calibration Blank	1K33414-CCB1	M_11-30-2011_12-40-16PM-0	11/30/11 13:20
GW0364	1K30911-MS1	M_11-30-2011_12-40-16PM-0	11/30/11 13:34
GW0364	1K30911-MSD1	M_11-30-2011_12-40-16PM-0	11/30/11 13:36
Calibration Check	1K33414-CCV2	M_11-30-2011_12-40-16PM-0	11/30/11 13:39
Calibration Blank	1K33414-CCB2	M_11-30-2011_12-40-16PM-0	11/30/11 13:40

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_035
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1K33416	Instrument:	WC-IC
Calibration:	1266004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1K33416-CCV1	112311-003	11/23/11 17:23
Calibration Blank	1K33416-CCB1	112311-004	11/23/11 17:41
Instrument RL Check	1K33416-CRL2	112311-006	11/23/11 18:16
LCS	1K23012-BS1	112311-007	11/23/11 18:33
Blank	1K23012-BLK1	112311-008	11/23/11 18:50
Calibration Check	1K33416-CCV2	112311-022	11/23/11 22:54
Calibration Blank	1K33416-CCB2	112311-023	11/23/11 23:12
GW0361	1111109-05RE1	112311-024	11/23/11 23:29
Calibration Check	1K33416-CCV3	112311-035	11/24/11 02:41
Calibration Blank	1K33416-CCB3	112311-036	11/24/11 02:58
LCS	1K23020-BS1	112311-037	11/24/11 03:15
Blank	1K23020-BLK1	112311-038	11/24/11 03:33
Calibration Check	1K33416-CCV4	112311-052	11/24/11 07:37
Calibration Blank	1K33416-CCB4	112311-053	11/24/11 07:54
GW0362	1111104-11RE1	112311-058	11/24/11 09:21
Calibration Check	1K33416-CCV5	112311-062	11/24/11 10:31
Calibration Blank	1K33416-CCB5	112311-063	11/24/11 10:48